



1590 Dutch Road | Dixon, IL 61021
 p 815.835.5566 | f 815.284.5600
 www.SewerEquipment.com

August 16, 2017

PO #

**Product Class:
 WO#**

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



444 RODDER Series II Trailer Mounted Sectional Rodder

Engine & Drive System:	Trailer:	Accessories:
Honda 24 hp Gas Engine Lighted NEMA 4 control panel Friction Footage Meter	Torsion Axle 6,000 GVWR Electric brakes, 2-5/16 ball hitch Steel toolbox - street side LED D.O.T. approved lighting	25' Lightweight Hose Guide and Bell w/aluminum couplings Single Prong Brace Nose Jack Wheel "Caster" Two (2) Assembly Wrenches One (1) Paper Operator Manual Key Ignition Switch 10 Dog Rod Drive Head
Rod Group: Rod Drive Head System Rod Storage Reel Steel Shroud, Clear window for Drive Head		

TRAILER MOUNT, SINGLE AXLE	\$46,945.00	1	\$46,945.00
SKID MOUNT (UNIT FOR TRUCK MOUNTING)	\$42,386.00		\$0.00

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0%	\$ -
NET PRICE OF UNIT:	\$46,945.00
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$ 46,945.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:	LIST PRICE	QTY	TOTAL
AUTO REFLEX DRIVE	\$9,331.00		\$0.00
ROD OPTIONS:			
5/16" x 39" SUPER PREMIUM SECTIONAL ROD (PRICE PER ROD, MAX OF 385 RODS, CONSULT FACTORY FOR REQUESTS OVER THESE MAXIMUM LIMITS)	\$11.86		\$0.00
3/8" x 39" SUPER PREMIUM SECTIONAL ROD (PRICE PER ROD, MAX. OF 280 RODS, CONSULT FACTORY FOR REQUESTS OVER THESE MAXIMUM LIMITS)	\$16.32		\$0.00
ENGINE GROUP OPTIONS			
VOLTAGE METER	\$208.00		\$0.00
HOUR METER	\$315.00		\$0.00
UPGRADE TO 25 H.P. DIESEL ENGINE	\$4,998.00		\$0.00
ILLUMINATION GROUP OPTIONS:			
COMPARTMENT LIGHTING	\$318.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
HANDHELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT WITH STORAGE BRACKET	\$312.00		\$0.00
TRAILER GROUP OPTIONS:			
HYDRAULIC BRAKES	\$1,271.00		\$0.00

SPARE TIRE AND RIM	\$448.00		\$0.00
HYDRAULIC LEVELING LEGS (TWO)	\$3,428.00		\$0.00
FRAME MOUNTED TOOL BOX	\$347.00		\$0.00
TRUCK GROUP OPTIONS:			
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,335.00		\$0.00
MOUNT UNIT ON CAB/CHASSIS: INCLUDES HEAVY DUTY CROSS MEMBERS, FULL DECKING, FULL SKIRTING, HANDRAILS, THREE (3) TOOLBOXES AND OPERATOR'S STEP, BUMPER, MUDFLAPS AND PTO DRIVE FROM AN AUTOMATIC TRANS. CAB/CHASSIS	\$12,665.00		\$0.00
REAR BACK UP CAMERA SYSTEM W/ 7" COLOR MONITOR MOUNTED IN CAB	\$1,009.00		\$0.00
HITCH - REESE STYLE (10,000 LBS MAXIMUM LOAD) WITH CAB MOUNTED BRAKE CONTROLLER & 7 PIN RECEPTACLE	\$693.00		\$0.00
MISC. GROUP OPTIONS:			
CUMULATIVE FOOTAGE METER.	\$411.00		\$0.00
SINGLE LEVER HYDRAULIC CONTROL	\$592.00		\$0.00
INDEPENDENT RELIEF VALVES AND GAUGES FOR FORWARD/REVERSE	\$1,027.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
PAINT (TOOLBOX, SHROUD):			
STANDARD WHITE PAINT	INCLUDED		
ALL OTHER COLORS (EXCEPT METALLIC PAINT)	\$638.00		\$0.00
CONTACT FACTORY FOR LIST PRICE OF PAINTING OTHER COMPONENTS ON UNIT			
MANUALS & TRAINING:			
ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
USB OPERATOR'S MANUAL	\$54.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL) (1 DAY) **INCLUDES HOTEL & MEALS**	\$551.00		\$0.00
RODDING TOOLS & SAWS OPTIONS:			
TOOLS - SEE PARTS CATALOG - SECTION "RODDING TOOLS"	PARTS		
SAWS & AUGERS - SEE PARTS CATALOG - SECTION "SAWS AND CUTTERS"	PARTS		
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
SIGNATURE _____ DATE _____			
Please return a signed copy to bigequipment@SewerEquipment.com			



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877-TK Series II Truck Mounted PTO Drive Continuous Rodder

Standard:

Gear Driven Rod Drive Roller system
 w/ 7000# of pull (Automatic Hydraulic
 Hold Down system)
 72" Rod Storage Reel with 1200'
 of .375 Rod in Direct Hydr. Motor
 driven Yoke w/ spring loaded torque arm
 Electrical system
 Lighted NEMA 4 Control Panel
 Hydraulic System, Single Lever Control
 Friction Footage Meter

Truck:

Mounting to approved chassis
 One piece Steel Shroud
 Heavy Duty Frame
 Full Decking
 Skirting
 Handrail
 Three (3) toolboxes
 Mud flaps, Bumper
 LED D.O.T. approved lighting

Accessories:

25' Lightweight Hose Guide
 and Bell w/aluminum couplings
 Single Prong Brace
 Snap on Pliers w/Cleaners
 Two (2) Assembly Wrenches
 One (1) Paper Operator Manual

BASE UNIT AS OUTLINED ABOVE with .375 ROD \$122,805.00 1 \$122,805.00

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0% \$	-
NET PRICE OF UNIT:	\$122,805.00
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$ 122,805.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:	LIST PRICE	QTY	TOTAL
UPGRADE TO 1200' OF .393 ROD	\$778.00		\$0.00
UPGRADE TO 1200' OF .415 ROD	\$855.00		\$0.00
UPGRADE TO 1200' OF .461 ROD	\$814.00		\$0.00
CONTACT FACTORY FOR LIST PRICE OF GREATER LENGTHS THAN 1200'			
AUTO REFLEX DRIVE	\$9,331.00		\$0.00

ILLUMINATION GROUP OPTIONS:

COMPARTMENT LIGHTING	\$318.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
HANDHELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT WITH STORAGE BRACKET	\$312.00		\$0.00

MISC. OPTIONS:

CUMULATIVE FOOTAGE METER	\$411.00		\$0.00
REAR BACK UP CAMERA SYSTEM W/ 7" COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
INDEPENDENT RELIEF VALVES AND GAUGES FOR FORWARD/REVERSE	\$1,027.00		\$0.00
HITCH - REESE STYLE (10,000 LBS MAXIMUM LOAD) WITH CAB MOUNTED BRAKE CONTROLLER & 7 PIN RECEPTACLE	\$707.00		\$0.00

SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
PAINT (TOOLBOX, SHROUD):			
STANDARD WHITE PAINT	INCLUDED		
ALL OTHER COLORS (EXCEPT METALLIC PAINT)	\$638.00		\$0.00
CONTACT FACTORY FOR LIST PRICE OF PAINTING OTHER COMPONENTS ON UNIT			
MANUALS & TRAINING:			
ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
USB OPERATOR'S MANUAL	\$54.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL) (1 DAY) **INCLUDES HOTEL & MEALS**	\$551.00		\$0.00
RODDING TOOLS & SAWS OPTIONS:			
TOOLS - SEE PARTS CATALOG - "RODDING TOOLS"	PARTS		
SAWS & AUGERS - SEE PARTS CATALOG - "SAWS AND CUTTERS"	PARTS		
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
Non-Stock Chassis			
Make:	Year:	Model:	VIN:
SIGNATURE			DATE
Please return a signed copy to bigequipment@SewerEquipment.com			



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747-FR2000 ECO Trailer Mounted High Pressure Sewer Cleaner

Engine & Pump:

3.7L Ford Engine
 Giant 40 GPM @ 2000 PSI
 w/30 Min Run Dry Capability
 Lighted Nema 4 Control Panel
 Tachometer / Hour Meter
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Air Purge Valve
 Recirculation System
 Painted Steel Shroud Enclosure
 w/Locking Access Doors

Hose Reel & Hose:

Rotating Safety Reel
 w/800' Capacity of 3/4" Hose

Tank & Fill:

700 Gal. Black Super-Poly Water Tank
 2.5" Fill System

Trailer:

Tandem Axles 14,000 GVWR
 Electric Brakes w/2-5/16" Ball Hitch
 (1) Steel Toolbox - Fender Mounted
 D.O.T. Approved LED Lighting

Accessories:

10' Leader Hose
 BB Hose Guide
 Tri-Star (Chisel Point) Nozzle
 DD (High Flow) Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 25' Fill Hose
 Washdown Gun w/25' Ext. Hose
 Upstream Pulley Guide
 Paper Operator / Owner Manual

BASE UNIT AS OUTLINED ABOVE

\$55,909.00

1

\$55,909.00

LIST PRICE OF SELECTED OPTIONS: \$0.00

LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$55,909.00

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$55,909.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE

QTY

TOTAL

ENGINE & PUMP OPTIONS:

UPGRADE TO CATERPILLAR 91HP DIESEL ENGINE	\$3,560.00		\$0.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		
UPGRADE WATER PUMP TO GIANT 40 GPM @ 3000 PSI PLUNGER STYLE TRIPLEX WATER PUMP W/30 MIN RUN DRY CAPABILITY	\$4,013.00		\$0.00
UPGRADE TO 1" SYSTEM: INCLUDES CATERPILLAR 122HP DIESEL ENGINE AND GIANT 65 GPM @ 2000 PSI PLUNGER STYLE TRIPLEX WATER PUMP W/30 MINUTE RUN DRY CAPABILITY (INCLUDES UPGRADE TO 1" SEWER HOSE)	\$18,754.00		\$0.00
SUBSTITUTE FE MYERS PUMP	CONTACT FACTORY		
FOR OPERATING AT ALTITUDES ABOVE 2000 FT.	CONTACT FACTORY		
ELECTRONIC/HYDRAULIC CLUTCH ENGAGE (TOGGLE SWITCH IN LIEU OF MECHANICAL ENGAGE)	\$1,188.00		\$0.00
HYDRAULIC TOOL CIRCUIT (RATED @ 9.5 GPM, SYSTEM ENGAGED VIA MANUAL DIVERTER VALVE AND SUPPLIED W/ PARKER 60 SERIES CONNECTORS)	\$1,887.00		\$0.00
ELECTRONIC THROTTLE CONTROL (INCLUDED W/STANDARD, MASTER, & WIRELESS PENDANT)	\$675.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00
UPGRADE TO ALUMINUM SHROUD	\$2,817.00		\$0.00
UPGRADE TO ALUMINUM SHROUD (PAINTED)	\$3,704.00		\$0.00
WASHDOWN SYSTEM W/50' RETRACTABLE HOSE REEL	\$1,236.00		\$0.00

HOSE REEL & HOSE OPTIONS:

DEDUCT FOR "FIXED" HOSE REEL	(\$1,600.00)		\$0.00
AUTOMATIC LEVELWIND WITH HYDRAULIC UP/DOWN ACTION	\$5,231.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$2,529.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
FOOTAGE METER (MOUNTED ON MANUAL LEVELWIND - NOT AVAILABLE W/WALW)	\$740.00		\$0.00
SEWER HOSE (3/4" I.D. X 2500 PSI OPERATING PRESSURE) PER FT.	\$3.79		\$0.00
SEWER HOSE (3/4" I.D. X 3000 PSI OPERATING PRESSURE) PER FT.	\$4.10		\$0.00
SEWER HOSE (1" I.D. X 2500 PSI OPERATING PRESSURE) PER FT.	\$4.17		\$0.00
SEWER HOSE (1" I.D. X 3000 PSI OPERATING PRESSURE) PER FT.	\$5.01		\$0.00
TESTING FEE (FOR UNITS ORDERD W/OUT SEWER HOSE)	\$422.00		\$0.00
25' X 3/4" LEADER HOSE (IN LIEU OF STANDARD 10')	\$202.00		\$0.00
25' X 1" LEADER HOSE (IN LIEU OF STANDARD 10')	\$327.00		\$0.00
LATERAL LINE CLEANING KIT (150' X 1/2" HOSE W/NOZZLE MOUNTED ON A ROLLING CART WITH TONGUE STORAGE PAD, INCLUDES ADDITION OF 1200 PSI AUXILIARY CLEANING CIRCUIT ON JET UNIT)	\$3,779.00		\$0.00
MINI MISSILE NOZZLE	\$412.00		\$0.00
PATRIOT II ROOT CUTTER KIT (RING & ADJ. ROLLER SKIDS, 4" TO 15" SAWS)	\$2,477.00		\$0.00

DUAL REEL OPTIONS:

DUAL HOSE REEL (3/4" OR 1" X 600' CAPACITY REEL AND A SECOND REEL WITH 1/2" X 600' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES AND NOZZLE RACK *SEE ABOVE SECTION TO ORDER SEWER HOSE NEEDED*)	\$6,409.00		\$0.00
AUTOMATIC LEVELWIND W/HYDRAULIC UP/DOWN ACTION ON BOTH REELS	\$10,800.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
SEWER HOSE (1/2" I.D. X 4000 PSI OPERATING PRESSURE) PER FT.	\$4.00		\$0.00

TANK & FILL OPTIONS:

DECREASE TO 350 GALLON (BLACK SUPER-POLY) WATER TANK W/SINGLE AXLE TRAILER	(\$3,083.00)		\$0.00
UPGRADE TO 700 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$4,839.00		\$0.00
FILL HOSE STORAGE RACK	\$197.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/26 GALLON RESERVIOR)	\$1,116.00		\$0.00

TOOL STORAGE OPTIONS:

HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$854.00		\$0.00
UPGRADE TO TOP OPENING ALUMINUM TOOLBOX	\$322.00		\$0.00
ADD ADDITIONAL TOP OPENING STEEL TOOLBOX	\$483.00		\$0.00
ADD ADDITIONAL TOP OPENING ALUMINUM TOOLBOX	\$805.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
LONG HANDLED TOOL STORAGE TUBE	\$183.00		\$0.00
ROOT CUTTER MAINTENANCE BOX	\$2,248.00		\$0.00

LIGHTING OPTIONS:

ENGINE/WATER PUMP COMPARTMENT LIGHT	\$196.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00

PENDANT CONTROLS:

BASIC PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$2,267.00		\$0.00
STANDARD PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,055.00		\$0.00
MASTER PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, VARIABLE SPEED CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,720.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$6,724.00		\$0.00

PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
TRAILER OPTIONS:			
SPARE TIRE AND RIM	\$448.00		\$0.00
SPARE TIRE MOUNTING BRACKET	\$391.00		\$0.00
HYDRAULIC BRAKES	\$1,271.00		\$0.00
POWER JACK	\$745.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
MANUALS & TRAINING:			
ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
USB OPERATOR'S MANUAL	\$54.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
SIGNATURE		DATE	
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Address:

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Contact:

Email:



747-TK ECO Truck Mounted High Pressure Sewer Cleaner

Engine & Pump:

3.7L Ford Engine
 Giant 40 GPM @ 2000 PSI
 w/30 Min Run Dry Capability
 Lighted Nema 4 Control Panel
 Tachometer / Hour Meter
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Air Purge Valve
 Painted Steel Shroud Enclosure
 w/Locking Access Doors
 Recirculation System
 Electronic Clutch Engagement

Hose Reel & Hose:

Rotating Safety Reel
 w/800' Capacity of 3/4" Hose

Tank & Fill:

700 Gal. Black Super-Poly Water Tank
 2.5" Fill System

Truck:

Mounting to Approved Chassis
 Mudflaps
 (1) Aluminum Underbody Toolbox
 D.O.T. Approved LED Lighting
 Auxiliary Fuel Tank

Accessories:

10' Leader Hose
 BB Hose Guide
 Tri-Star (Chisel Point) Nozzle
 DD (High Flow) Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 25' Fill Hose
 Washdown Gun w/25' Ext. Hose
 Upstream Pulley Guide
 Paper Operator / Owner Manual

BASE UNIT AS OUTLINED ABOVE

\$64,383.00

1

\$64,383.00

LIST PRICE OF SELECTED OPTIONS: \$0.00

LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$64,383.00

FACTORY SUPPLIED CHASSIS:

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$64,383.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE

QTY

TOTAL

ENGINE & PUMP OPTIONS:

UPGRADE TO CATERPILLAR 91HP DIESEL ENGINE	\$3,560.00		\$0.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		
UPGRADE WATER PUMP TO GIANT 40 GPM @ 3000 PSI PLUNGER STYLE TRIPLEX WATER PUMP W/30 MIN RUN DRY CAPABILITY	\$4,013.00		\$0.00
UPGRADE TO 1" SYSTEM: INCLUDES CATERPILLAR 122HP DIESEL ENGINE AND GIANT 65 GPM @ 2000 PSI PLUNGER STYLE TRIPLEX WATER PUMP W/30 MINUTE RUN DRY CAPABILITY (INCLUDES UPGRADE TO 1" SEWER HOSE)	\$18,754.00		\$0.00
SUBSTITUTE FE MYERS PUMP	CONTACT FACTORY		
FOR OPERATING AT ALTITUDES ABOVE 2000 FT.	CONTACT FACTORY		
HYDRAULIC TOOL CIRCUIT (RATED @ 9.5 GPM, SYSTEM ENGAGED VIA MANUAL DIVERTER VALVE AND SUPPLIED W/ PARKER 60 SERIES CONNECTORS)	\$1,887.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$674.00		\$0.00
ELECTRONIC TRHOTTLE CONTROL (INLUDED W/ STANDARD, MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00
UPGRADE TO ALUMINUM SHROUD	\$2,817.00		\$0.00
UPGRADE TO ALUMINUM SHROUD (PAINTED)	\$3,704.00		\$0.00

VAPOROOTER SYSTEM: INCLUDES PATENTED ROOT FOAMING SYSTEM W/TOUCH SCREEN CONTROLLER AND AUTOMATIC MIXING SYSTEM FOR AIR, WATER, & FOAMING AGENT	\$36,000.00		\$0.00
VAPOROOTER INSTALLATION	\$4,000.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
DEDUCT FOR "FIXED" HOSE REEL	(\$1,800.00)		\$0.00
AUTOMATIC LEVELWIND WITH HYDRAULIC UP/DOWN ACTION	\$5,231.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$2,529.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
FOOTAGE METER (MOUNTED ON MANUAL LEVELWIND - NOT AVAILABLE W/ALW)	\$740.00		\$0.00
SEWER HOSE (3/4" I.D. X 2500 PSI OPERATING PRESSURE) PER FT.	\$3.79		\$0.00
SEWER HOSE (3/4" I.D. X 3000 PSI OPERATING PRESSURE) PER FT.	\$4.11		\$0.00
SEWER HOSE (1" I.D. X 2500 PSI OPERATING PRESSURE) PER FT.	\$4.17		\$0.00
SEWER HOSE (1" I.D. X 3000 PSI OPERATING PRESSURE) PER FT.	\$5.01		\$0.00
SEWER HOSE (5/8" I.D. X 4000 PSI OPERATING PRESSURE) PER FT.	\$3.87		\$0.00
SEWER HOSE (1/2" I.D. X 4000 PSI OPERATING PRESSURE) PER FT.	\$3.67		\$0.00
TESTING FEE (FOR UNITS ORDERD W/OUT SEWER HOSE)	\$422.00		\$0.00
25' X 3/4" LEADER HOSE (IN LIEU OF STANDARD 10')	\$202.00		\$0.00
25' X 1" LEADER HOSE (IN LIEU OF STANDARD 10')	\$327.00		\$0.00
LATERAL LINE CLEANING KIT (150' X 1/2" HOSE W/NOZZLE MOUNTED ON A ROLLING CART WITH TONGUE STORAGE PAD, INCLUDES ADDITION OF 1200 PSI AUXILIARY CLEANING CIRCUIT ON JET UNIT)	\$3,779.00		\$0.00
MINI MISSILE NOZZLE	\$412.00		\$0.00
PATRIOT II ROOT CUTTER KIT (RING & ADJ. ROLLER SKIDS, 4" TO 15" SAWS)	\$2,477.00		\$0.00
DUAL REEL OPTIONS:			
DUAL HOSE REEL (3/4" OR 1" X 600' CAPACITY REEL AND A SECOND REEL WITH 1/2" X 600' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES AND NOZZLE RACK *SEE ABOVE SECTION TO ORDER SEWER HOSE NEEDED*)	\$6,409.00		\$0.00
AUTOMATIC LEVELWIND W/HYDRAULIC UP/DOWN ACTION ON BOTH REELS	\$10,800.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
TANK & FILL OPTIONS:			
DECREASE TO 350 GALLON (BLACK SUPER-POLY) WATER TANK	(\$857.00)		\$0.00
UPGRADE TO 700 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$5,354.00		\$0.00
UPGRADE TO 1000 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$6,734.00		\$0.00
UPGRADE TO 1500 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$14,130.00		\$0.00
UPGRADE TO 2000 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$19,649.00		\$0.00
UPGRADE TO 2500 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$31,789.00		\$0.00
UPGRADE TO 3000 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$34,549.00		\$0.00
UPGRADE TO 10 FT. X 6 INCH LOW PROFILE 1500 GALLON WATER TANK	\$17,682.00		\$0.00
FILL HOSE STORAGE RACK	\$197.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/26 GALLON RESERVIOR)	\$1,116.00		\$0.00
TOOL STORAGE OPTIONS:			
HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$854.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
LONG HANDLED TOOL STORAGE TUBE	\$183.00		\$0.00
ROOT CUTTER MAINTENANCE BOX	\$2,248.00		\$0.00
LIGHTING OPTIONS:			
ENGINE/WATER PUMP COMPARTMENT LIGHT	\$196.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00

PENDANT CONTROLS:

BASIC PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$2,267.00		\$0.00
STANDARD PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,055.00		\$0.00
MASTER PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, VARIABLE SPEED CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,720.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$6,724.00		\$0.00

PAINT:

SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		

TRUCK OPTIONS:

NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
ADD ADDITIONAL FRONT OPENING ALUMINUM TOOLBOX	\$752.00		\$0.00
AIR PURGE SYSTEM (POWERED VIA CHASSIS)	\$1,271.00		\$0.00
SPRAY BAR (FRONT FRAME MOUNTED)	\$1,192.00		\$0.00
HYDROSTATIC DRIVE VIA TRANSMISSION (ECO) RDS 3000 TRANS. REQUIRED	\$2,197.00		\$0.00
REAR GAUGE CLUSTER (VOLTS, WATER TEMP, OIL PRESSURE): OPTION REQUIRES CHASSIS TO BE PROVIDED WITH EITHER A SAE J1939 INTERFACE (MULTIPLEX SYSTEMS) OR ENGINE ACCESS FOR ANALOG GAUGE SENDERS	\$986.00		\$0.00
REAR BACK UP CAMERA W/7 INCH COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
COMBINATION HEAVY DUTY BALL HITCH (20,000 LBS MAXIMUM LOAD) W/CAB MOUNTED BRAKE CONTROLLER AND 7-PIN RV TYPE RECEPTACLE	\$1,005.00		\$0.00
HITCH - REESE STYLE (10,000 LBS MAXIMUM) W/CAB MOUNTED BRAKE CONTROLLER AND 7-PIN RV TYPE RECEPTACLE	\$707.00		\$0.00

MANUALS & TRAINING:

ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
USB OPERATOR'S MANUAL	\$54.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00

SPECIAL ITEMS:

			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

SIGNATURE

DATE

Please return a signed copy to bigequipment@SewerEquipment.com



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 p 815.835.5566 | f 815.284.5600
 www.SewerEquipment.com

August 16, 2017

PO #

Product Class:
WO#

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



866 RODDER Series II Trailer Mounted Continuous Rodder

Engine & Drive System:

Honda 24 hp Gas Engine with
 aluminum shroud & electrical controls
 Lighted NEMA 4 control panel
 Friction Footage Meter

Trailer:

Torsion Axle 6,000 GVWR
 Electric brakes, 2-5/16 ball hitch
 Steel toolbox - streetside
 LED D.O.T. approved lighting

Accessories:

25' Lightweight Hose Guide
 and Bell w/aluminum couplings
 Single Prong Brace
 Nose Jack Wheel "Caster"
 Snap on Pliers w/Cleaners
 Two (2) Assembly Wrenches
 One (1) Paper Operator Manual
 Key Ignition Switch

Rod Group:

Rod Drive Roller System
 Rod Storage Reel w/ 1200' of .375 Rod
 Steel Shroud, Clear window for Drive Head

TRAILER MOUNT, SINGLE AXLE WITH .375 ROD	\$51,271.00	1	\$51,271.00
SKID MOUNT (UNIT FOR TRUCK MOUNTING) WITH .375 ROD	\$46,568.00	0	\$0.00

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0%	\$ -
NET PRICE OF UNIT:	\$51,271.00
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$ 51,271.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:	LIST PRICE	QTY	TOTAL
UPGRADE TO 1100' OF .393 ROD	\$739.00		\$0.00
UPGRADE TO 1000' OF .415 ROD	\$813.00		\$0.00
UPGRADE TO 800' OF .461 ROD	\$774.00		\$0.00
AUTO REFLEX DRIVE	\$9,331.00		\$0.00

ENGINE GROUP OPTIONS

VOLTAGE METER	\$208.00		\$0.00
HOUR METER	\$315.00		\$0.00
UPGRADE TO 25 H.P. DIESEL ENGINE	\$4,998.00		\$0.00

ILLUMINATION GROUP OPTIONS:

COMPARTMENT LIGHTING	\$318.00		\$0.00
LED FLOOD LIGHT	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
HANDHELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT WITH STORAGE BRACKET	\$312.00		\$0.00

TRAILER GROUP OPTIONS:

HYDRAULIC BRAKES	\$1,271.00		\$0.00
SPARE TIRE AND RIM	\$448.00		\$0.00
HYDRAULIC LEVELING LEGS (TWO)	\$3,428.00		\$0.00

FRAME MOUNTED TOOL BOX	\$347.00		\$0.00
TRUCK GROUP OPTIONS:			
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
MOUNT UNIT ON CAB/CHASSIS: INCLUDES HEAVY DUTY CROSS MEMBERS, FULL DECKING, FULL SKIRTING, HANDRAILS, THREE (3) TOOLBOXES AND OPERATOR'S STEP, BUMPER, MUDFLAPS AND PTO DRIVE FROM AN AUTOMATIC TRANS. CAB/CHASSIS	\$12,919.00		\$0.00
REAR BACK UP CAMERA SYSTEM W/ 7" COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
HITCH - REESE STYLE (10,000 LBS MAXIMUM LOAD) WITH CAB MOUNTED BRAKE CONTROLLER & 7 PIN RECEPTACLE	\$707.00		\$0.00
MISC. GROUP OPTIONS:			
CUMULATIVE FOOTAGE METER	\$411.00		\$0.00
SINGLE LEVER HYDRAULIC CONTROL	\$592.00		\$0.00
INDEPENDENT RELIEF VALVES AND GAUGES FOR FORWARD/REVERSE	\$1,027.00		\$0.00
TWO MOTORS ON DRIVE HEAD WITH TWO SPEED HYDRAULIC CONTROL	\$3,692.00		\$0.00
AUTOMATIC HYDRAULIC HOLD-DOWN FOR DRIVE HEAD	\$6,754.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
PAINT (TOOLBOX, SHROUD):			
STANDARD WHITE PAINT	INCLUDED		
ALL OTHER COLORS (EXCEPT METALLIC PAINT)	\$638.00		\$0.00
CONTACT FACTORY FOR LIST PRICE OF PAINTING OTHER COMPONENTS ON UNIT			
MANUALS & TRAINING:			
ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
USB OPERATOR'S MANUAL	\$54.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL) (1 DAY) **INCLUDES HOTEL & MEALS**	\$551.00		\$0.00
ACCESSORY GROUP OPTIONS			
ADDITIONAL ROD - SEE PARTS CATALOG AND PARTS PRICE LIST	PARTS		
TOOLS - SEE PARTS CATALOG AND PARTS PRICE LIST	PARTS		
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
SIGNATURE		DATE	
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 www.SewerEquipment.com

August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor:

End User:

Address:

City, State, Zip:

Phone:

Contact:

Email:



747-FR2000 CLASSIC Trailer Mounted High Pressure Sewer Cleaner

Engine & Pump:

2.5L Ford Engine
 Giant 40 GPM @ 2000 PSI
 w/30 Min Run Dry Capability
 Lighted Nema 4 Control Panel
 Tachometer / Hour Meter
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Air Purge Valve
 Recirculation System
 Painted Steel Shroud Enclosure
 w/Locking Access Doors

Hose Reel & Hose:

Rotating Safety Reel
 w/800' Capacity of 3/4" Hose

Tank & Fill:

700 Gal. Black Super-Poly Water Tank
 2.5" Fill System

Trailer:

Tandem Axles 14,000 GVWR
 Electric Brakes w/2-5/16" Ball Hitch
 (1) Steel Toolbox - Fender Mounted
 D.O.T. Approved LED Lighting

Accessories:

10' Leader Hose
 BB Hose Guide
 Tri-Star (Chisel Point) Nozzle
 DD (High Flow) Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 25' Fill Hose
 Washdown Gun w/25' Ext. Hose
 Upstream Pulley Guide
 Paper Operator / Owner Manual

BASE UNIT AS OUTLINED ABOVE

\$52,906.00

1

\$52,906.00

LIST PRICE OF SELECTED OPTIONS: \$0.00

LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$52,906.00

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$52,906.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE

QTY

TOTAL

ENGINE & PUMP OPTIONS:

	LIST PRICE	QTY	TOTAL
UPGRADE TO TIER IV FINAL ENGINE			CONTACT FACTORY
FOR OPERATING AT ALTITUDES ABOVE 2000 FT.			CONTACT FACTORY
UPGRADE TO CATERPILLAR 60HP TURBO CHARGED DIESEL ENGINE (RECOMMENDED FOR ALTITUDES ABOVE 2000 FT)	\$3,060.00		\$0.00
ELECTRONIC/HYDRAULIC CLUTCH ENGAGE (TOGGLE SWITCH IN LIEU OF MECHANICAL ENGAGE)	\$1,188.00		\$0.00
HYDRAULIC TOOL CIRCUIT (RATED @ 9.5 GPM, SYSTEM ENGAGED VIA MANUAL DIVERTER VALVE AND SUPPLIED W/ PARKER 60 SERIES CONNECTORS)	\$1,887.00		\$0.00
ELECTRONIC THROTTLE CONTROL (INCLUDED W/STANDARD, MASTER, & WIRELESS PENDANT)	\$675.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00
UPGRADE TO ALUMINUM SHROUD	\$2,817.00		\$0.00
UPGRADE TO ALUMINUM SHROUD (PAINTED)	\$3,704.00		\$0.00

HOSE REEL & HOSE OPTIONS:

DEDUCT FOR "FIXED" HOSE REEL	(\$1,600.00)		\$0.00
AUTOMATIC LEVELWIND WITH HYDRAULIC UP/DOWN ACTION	\$5,231.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$2,529.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00

FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
FOOTAGE METER (MOUNTED ON MANUAL LEVELWIND - NOT AVAILABLE W/WALW)	\$740.00		\$0.00
SEWER HOSE (3/4" I.D. X 2500 PSI OPERATING PRESSURE) PER FT.	\$3.79		\$0.00
SEWER HOSE (3/4" I.D. X 3000 PSI OPERATING PRESSURE) PER FT.	\$4.10		\$0.00
TESTING FEE (FOR UNITS ORDERD W/OUT SEWER HOSE)	\$422.00		\$0.00
25' X 3/4" LEADER HOSE (IN LIEU OF STANDARD 10')	\$202.00		\$0.00
LATERAL LINE CLEANING KIT (150' X 1/2" HOSE W/NOZZLE MOUNTED ON A ROLLING CART WITH TONGUE STORAGE PAD, INCLUDES ADDITION OF 1200 PSI AUXILIARY CLEANING CIRCUIT ON JET UNIT)	\$3,779.00		\$0.00
MINI MISSILE NOZZLE	\$412.00		\$0.00
PATRIOT II ROOT CUTTER KIT (RING & ADJ. ROLLER SKIDS, 4" TO 15" SAWS)	\$2,477.00		\$0.00
DUAL REEL OPTIONS:			
DUAL HOSE REEL (3/4" OR 1" X 600' CAPACITY REEL AND A SECOND REEL WITH 1/2" X 600' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES AND NOZZLE RACK *SEE ABOVE SECTION TO ORDER SEWER HOSE NEEDED*)	\$6,409.00		\$0.00
AUTOMATIC LEVELWIND W/HYDRAULIC UP/DOWN ACTION ON BOTH REELS	\$10,800.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
SEWER HOSE (1/2" I.D. X 4000 PSI OPERATING PRESSURE) PER FT.	\$4.00		\$0.00
TANK & FILL OPTIONS:			
DECREASE TO 350 GALLON (BLACK SUPER-POLY) WATER TANK W/SINGLE AXLE TRAILER	(\$3,083.00)		\$0.00
UPGRADE TO 700 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$4,839.00		\$0.00
FILL HOSE STORAGE RACK	\$197.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/26 GALLON RESERVIOR)	\$1,116.00		\$0.00
TOOL STORAGE OPTIONS:			
HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$854.00		\$0.00
UPGRADE TO TOP OPENING ALUMINUM TOOLBOX	\$322.00		\$0.00
ADD ADDITIONAL TOP OPENING STEEL TOOLBOX	\$483.00		\$0.00
ADD ADDITIONAL TOP OPENING ALUMINUM TOOLBOX	\$805.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
LONG HANDLED TOOL STORAGE TUBE	\$183.00		\$0.00
ROOT CUTTER MAINTENANCE BOX	\$2,248.00		\$0.00
LIGHTING OPTIONS:			
ENGINE/WATER PUMP COMPARTMENT LIGHT	\$196.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
BASIC PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$2,267.00		\$0.00
STANDARD PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,055.00		\$0.00
MASTER PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, VARIABLE SPEED CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,720.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$6,724.00		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
TRAILER OPTIONS:			
SPARE TIRE AND RIM	\$448.00		\$0.00
SPARE TIRE MOUNTING BRACKET	\$391.00		\$0.00

HYDRAULIC BRAKES	\$1,271.00		\$0.00
POWER JACK	\$745.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
MANUALS & TRAINING:			
ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
USB OPERATOR'S MANUAL	\$54.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
SIGNATURE _____ DATE _____			
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#NAME?	PO #	Product Class:
		WO #
		REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



747-FR2000 TV ECO Trailer Mounted High Pressure Sewer Cleaner w/ TV System

Engine & Pump:

- 3.7L Ford Engine
- Giant 40 GPM @ 2000 PSI
- w/30 Min Run Dry Capability
- Lighted Nema 4 Control Panel
- Tachometer / Hour Meter
- Auto Shutdown (For High Engine
- Temp / Low Oil Pressure)
- Air Purge Valve
- Painted Steel Shroud Enclosure
- w/Locking Access Doors
- Recirculation System

Hose Reel & Hose:

- Rotating Dual Hose Reel
- Reel A - Rotating Safety Reel
- w/500' of Umbilical Cord™ @ 2500 PSI
- Reel B - Rotating Safety Reel
- w/600' Capacity of 3/4" Hose

TV System:

- Self-Leveling Color TV Camera
- (1) 4" Jet Pod Skid
- Color Monitor
- DVR w/Removable SD Card

Accessories:

- 10' Leader Hose
- BB Hose Guide
- Tri-Star (Chisel Point) Nozzle
- DD (High Flow) Nozzle
- Finned Nozzle Extension
- Nozzle Rack
- 25' Fill Hose
- Washdown Gun w/25' Ext. Hose
- Upstream Pulley Guide
- Paper Operator / Owner Manual

Tank & Fill:

- 700 Gal. Black Super-Poly Water Tank
- 2.5" Fill System

Trailer:

- Tandem Axles 14,000 GVWR
- Electric Brakes w/2-5/16" Ball Hitch
- (1) Aluminum Toolbox - Fender Mounted
- D.O.T. Approved LED Lighting

BASE UNIT AS OUTLINED ABOVE	\$97,485.00	1	\$97,485.00
LIST PRICE OF SELECTED OPTIONS:			\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0% \$			-
NET PRICE OF UNIT:			\$97,485.00
ESTIMATED FREIGHT:			-
ESTIMATED TOTAL:			\$97,485.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

<u>STANDARD OPTIONS:</u>	<u>LIST PRICE</u>	<u>QTY</u>	<u>TOTAL</u>
TV OPTIONS:			
ADDITIONAL SELF-LEVELING CAMERA HEAD	\$5,466.00	1	\$5,466.00
ADDITIONAL 4" JET POD FOR STRAIGHT VIEW CAMERA	\$2,400.00	1	\$2,400.00
6" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$615.00	1	\$615.00
8" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$654.00	1	\$654.00
10" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$349.00	1	\$349.00
12" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$441.00	1	\$441.00
15" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$455.00	1	\$455.00
18" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$473.00	1	\$473.00

ENGINE & PUMP OPTIONS:

UPGRADE TO CATERPILLAR 91HP DIESEL ENGINE	\$3,560.00	1	\$3,560.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		
UPGRADE WATER PUMP TO GIANT 40 GPM @ 3000 PSI PLUNGER STYLE TRIPLEX WATER PUMP W/30 MIN RUN DRY CAPABILITY (INCLUDES UPGRADE TO 3000 PSI UMBILICAL & SEWER HOSE)	\$6,069.00	1	\$6,069.00

UPGRADE TO 1" SYSTEM: INCLUDES CATERPILLAR 122HP DIESEL ENGINE AND GIANT 65 GPM @ 2000 PSI PLUNGER STYLE TRIPLEX WATER PUMP W/30 MINUTE RUN DRY CAPABILITY (INCLUDES UPGRADE TO 1" SEWER HOSE)	\$18,754.00		\$0.00
SUBSTITUTE FE MYERS PUMP			CONTACT FACTORY
FOR OPERATING AT ALTITUDES ABOVE 2000 FT.			CONTACT FACTORY
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
ELECTRONIC/HYDRAULIC CLUTCH ENGAGE (TOGGLE SWITCH IN LIEU OF MECHANICAL ENGAGE)	\$1,188.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00
HYDRAULIC TOOL CIRCUIT (RATED @ 9.5 GPM, SYSTEM ENGAGED VIA MANUAL DIVERTER VALVE AND SUPPLIED W/ PARKER 60 SERIES CONNECTORS)	\$1,887.00		\$0.00
UPGRADE TO ALUMINUM SHROUD	\$2,817.00		\$0.00
UPGRADE TO ALUMINUM SHROUD (PAINTED)	\$3,704.00		\$0.00
WASHDOWN SYSTEM W/50' RETRACTABLE HOSE REEL	\$1,236.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
DEDUCT FOR "FIXED" HOSE REEL	(\$1,600.00)		\$0.00
AUTOMATIC LEVELWIND WITH HYDRAULIC UP/DOWN ACTION	\$5,231.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$978.00		\$0.00
FOOTAGE METER (MOUNTED ON - SPECIFY REEL)	\$699.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER (W/ON-SCREEN FOOTAGE DISPLAY FOR CAMERA)	\$4,318.00		\$0.00
LATERAL LINE CLEANING KIT (150' X 1/2" HOSE W/NOZZLE MOUNTED ON A ROLLING CART WITH TONGUE STORAGE PAD, INCLUDES ADDITION OF 1200 PSI AUXILIARY CLEANING CIRCUIT ON JET UNIT)	\$3,779.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
25' X 1" LEADER HOSE (IN LIEU OF STANDARD 10')	\$327.00		\$0.00
TANK & FILL OPTIONS:			
UPGRADE TO 700 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$4,839.00		\$0.00
FILL HOSE STORAGE RACK	\$197.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/26 GALLON RESERVIOR)	\$1,116.00		\$0.00
TOOL STORAGE OPTIONS:			
HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$854.00		\$0.00
UPGRADE TO TOP OPENING ALUMINUM TOOLBOX	\$322.00		\$0.00
ADD ADDITIONAL TOP OPENING STEEL TOOLBOX	\$483.00		\$0.00
ADD ADDITIONAL TOP OPENING ALUMINUM TOOLBOX	\$805.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
LONG HANDLED TOOL STORAGE TUBE	\$183.00		\$0.00
ROOT CUTTER MAINTENANCE BOX	\$2,248.00		\$0.00
LIGHTING OPTIONS:			
ENGINE/WATER PUMP COMPARTMENT LIGHT	\$196.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
BASIC PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$2,267.00		\$0.00
STANDARD PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,055.00		\$0.00
MASTER PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, VARIABLE SPEED CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,720.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$6,724.00		\$0.00



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August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor: _____

End User: _____

Address: _____

City, State, Zip: _____

Phone: _____

Contact: _____

Email: _____



747-TK/TV ECO

Truck Mounted High Pressure Sewer Cleaner w/ TV System

Engine & Pump:

3.7L Ford Engine
 Giant 40 GPM @ 2000 PSI
 w/30 Min Run Dry Capability
 Lighted Nema 4 Control Panel
 Tachometer / Hour Meter
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Air Purge Valve
 Painted Steel Shroud Enclosure
 w/Locking Access Doors
 Recirculation System
 Electronic Clutch Engagement

Tank & Fill:

700 Gal. Black Super-Poly Water Tank
 2.5" Fill System

Hose Reel & Hose:

Rotating Dual Hose Reel
 Reel A - Rotating Safety Reel
 w/500' of Umbilical Cord™ @ 2500 PSI
 Reel B - Rotating Safety Reel
 w/600' Capacity of 3/4" Hose

TV System:

Self-Leveling Color TV Camera
 (1) 4" Jet Pod Skid
 Color Monitor
 DVR w/Removable SD Card

Truck:

Mounting to Approved Chassis
 Mudflaps
 (1) Aluminum Underbody Toolbox
 D.O.T. Approved LED Lighting
 Auxiliary Fuel Tank

Accessories:

10' Leader Hose
 BB Hose Guide
 Tri-Star (Chisel Point) Nozzle
 DD (High Flow) Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 25' Fill Hose
 Washdown Gun w/25' Ext. Hose
 Upstream Pulley Guide
 Paper Operator / Owner Manual

BASE UNIT AS OUTLINED ABOVE

\$110,531.00 1 \$110,531.00

LIST PRICE OF SELECTED OPTIONS: \$0.00

LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$110,531.00

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$110,531.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE QTY TOTAL

TV OPTIONS:

STANDARD OPTIONS:	LIST PRICE	QTY	TOTAL
ADDITIONAL SELF-LEVELING CAMERA HEAD	\$5,466.00		\$0.00
ADDITIONAL 4" JET POD FOR STRAIGHT VIEW CAMERA	\$2,400.00		\$0.00
6" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$615.00		\$0.00
8" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$654.00		\$0.00
10" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$349.00		\$0.00
12" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$441.00		\$0.00
15" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$455.00		\$0.00
18" JET POD TV SKID EXTENSION - STRAIGHT VIEW CAMERA	\$473.00		\$0.00

ENGINE & PUMP OPTIONS:

UPGRADE TO CATERPILLAR 91HP DIESEL ENGINE	\$3,560.00		\$0.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		
UPGRADE WATER PUMP TO GIANT 40 GPM @ 3000 PSI PLUNGER STYLE TRIPLEX WATER PUMP W/30 MIN RUN DRY CAPABILITY (INCLUDES UPGRADE TO 3000 PSI UMBILICAL & SEWER HOSE)	\$6,069.00		\$0.00

UPGRADE TO 1" SYSTEM: INCLUDES CATERPILLAR 122HP DIESEL ENGINE AND GIANT 65 GPM @ 2000 PSI PLUNGER STYLE TRIPLEX WATER PUMP W/30 MINUTE RUN DRY CAPABILITY (INCLUDES UPGRADE TO 1" SEWER HOSE)	\$18,754.00		\$0.00
SUBSTITUTE FE MYERS PUMP	CONTACT FACTORY		
FOR OPERATING AT ALTITUDES ABOVE 2000 FT.	CONTACT FACTORY		
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
ELECTRONIC THROTTLE CONTROL (INLCUDED W/ STANDARD, MASTER & WIRELESS PENDANT)	\$674.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00
HYDRAULIC TOOL CIRCUIT (RATED @ 9.5 GPM, SYSTEM ENGAGED VIA MANUAL DIVERTER VALVE AND SUPPLIED W/ PARKER 60 SERIES CONNECTORS)	\$1,887.00		\$0.00
UPGRADE TO ALUMINUM SHROUD	\$2,817.00		\$0.00
UPGRADE TO ALUMINUM SHROUD (PAINTED)	\$3,704.00		\$0.00
VAPOROOTER SYSTEM: INCLUDES PATENTED ROOT FOAMING SYSTEM W/TOUCH SCREEN CONTROLLER AND AUTOMATIC MIXING SYSTEM FOR AIR, WATER, & FOAMING AGENT	\$36,000.00		\$0.00
VAPOROOTER INSTALLATION	\$4,000.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
AUTOMATIC LEVELWIND WITH HYDRAULIC UP/DOWN ACTION	\$5,231.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER (W/ON-SCREEN FOOTAGE DISPLAY FOR CAMERA)	\$4,318.00		\$0.00
FOOTAGE METER (MOUNTED ON - SPECIFY REEL)	\$699.00		\$0.00
LATERAL LINE CLEANING KIT (150' X 1/2" HOSE W/NOZZLE MOUNTED ON A ROLLING CART WITH TONGUE STORAGE PAD, INCLUDES ADDITION OF 1200 PSI AUXILIARY CLEANING CIRCUIT ON JET UNIT)	\$3,779.00		\$0.00
25' X 3/4" LEADER HOSE (IN LIEU OF STANDARD 10')	\$202.00		\$0.00
25' X 1" LEADER HOSE (IN LIEU OF STANDARD 10')	\$327.00		\$0.00
MINI MISSILE NOZZLE	\$412.00		\$0.00
PATRIOT II ROOT CUTTER KIT (RING & ADJ. ROLLER SKIDS, 4" TO 15" SAWS)	\$2,477.00		\$0.00
TANK & FILL OPTIONS:			
DECREASE TO 350 GALLON (BLACK SUPER-POLY) WATER TANK	(\$857.00)		\$0.00
UPGRADE TO 700 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$5,354.00		\$0.00
UPGRADE TO 1000 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$6,734.00		\$0.00
UPGRADE TO 1500 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$14,130.00		\$0.00
UPGRADE TO 2000 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$19,649.00		\$0.00
UPGRADE TO 2500 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$31,789.00		\$0.00
UPGRADE TO 3000 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$34,549.00		\$0.00
UPGRADE TO 10 FT. X 6 INCH LOW PROFILE 1500 GALLON WATER TANK	\$17,682.00		\$0.00
FILL HOSE STORAGE RACK	\$197.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/26 GALLON RESERVIOR)	\$1,116.00		\$0.00
LIGHTING OPTIONS:			
ENGINE/WATER PUMP COMPARTMENT LIGHT	\$196.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
HAND-HELD WIRELESS 12w/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
BASIC PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$2,267.00		\$0.00
STANDARD PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,055.00		\$0.00

MASTER PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, VARIABLE SPEED CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,720.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$6,724.00		\$0.00
PAINT:			
SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
TRUCK OPTIONS:			
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
ADD ADDITIONAL FRONT OPENING ALUMINUM TOOLBOX	\$752.00		\$0.00
AIR PURGE SYSTEM (POWERED VIA CHASSIS)	\$1,271.00		\$0.00
SPRAY BAR (FRONT FRAME MOUNTED)	\$1,192.00		\$0.00
HYDROSTATIC DRIVE VIA TRANSMISSION (ECO) RDS 3000 TRANS. REQUIRED	\$2,197.00		\$0.00
REAR GAUGE CLUSTER (VOLTS, WATER TEMP, OIL PRESSURE): OPTION REQUIRES CHASSIS TO BE PROVIDED WITH EITHER A SAE J1939 INTERFACE (MULTIPLEX SYSTEMS) OR ENGINE ACCESS FOR ANALOG GAUGE SENDERS	\$986.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
LONG HANDLED TOOL STORAGE TUBE	\$183.00		\$0.00
ROOT CUTTER MAINTENANCE BOX	\$2,248.00		\$0.00
REAR BACK UP CAMERA W/7 INCH COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
COMBINATION HEAVY DUTY BALL HITCH (20,000 LBS MAXIMUM LOAD) W/CAB MOUNTED BRAKE CONTROLLER AND 7-PIN RV TYPE RECEPTACLE	\$1,005.00		\$0.00
HITCH - REESE STYLE (10,000 LBS MAXIMUM) W/CAB MOUNTED BRAKE CONTROLLER AND 7-PIN RV TYPE RECEPTACLE	\$707.00		\$0.00
MANUALS & TRAINING:			
ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
USB OPERATOR'S MANUAL	\$54.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
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			\$0.00
SIGNATURE		DATE	
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August 16, 2017

PO #

Product Class:
WO#

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 City, State, Zip: _____
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HYDRAULIC BUCKET MACHINES Series II Pull In Bucket Machine

<u>Drum / Ramp:</u>	<u>Engine / Controls:</u>	<u>Trailer:</u>
1500' Capacity Main Cable Drum w/ Clutch Main Cable Drum Auto-Level Wind Main Cable Drum Hand Brake Drum Speed Control Single Speed Hydraulic control Ramp capacity - 36" Bucket Roller capacity - 36" Bucket	Kubota 25hp Diesel Engine pull force - 4000# @ 150 ft/min recommended up to 18" Buckets Key Ignition Switch 800 CCA Battery Lighted NEMA 4 control panel Painted Steel shrouding <u>Trailer:</u> (2) Manual Stabilizers - Rear Fenders, Electric brakes	Steel toolbox (1) - tongue mtd Retractable Swivel Wheel 2-5/16" Ball Hitch w/ Jack LED D.O.T. approved lighting GVWR - 6000# <u>Accessories:</u> (1) Cable Swivel (1) 1/2" Clevis Pin Start Up Kit for Yoke (1) Paper Operator's Manual

BASE UNIT AS OUTLINED ABOVE	\$33,271.00	1	\$33,271.00
LIST PRICE OF SELECTED OPTIONS:			\$0.00
NET PRICE OF UNIT:			\$33,271.00
ESTIMATED FREIGHT:			T.B.D.
ESTIMATED TOTAL:			\$33,271.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

<u>ENGINE / CONTROLS:</u>	LIST PRICE	QTY	TOTAL
UPGRADE TO KUBOTA 35hp DIESEL ENGINE - WATER COOLED (pull force - 6500# @ 150 ft/min; recommended up to 36" Buckets)	\$4,519.00		\$0.00
VOLTAGE METER	\$202.00		\$0.00
HOUR METER	\$304.00		\$0.00
<u>DRUM / CABLE:</u>			
1/2" CABLE FOR MAIN CABLE DRUM (PRICE PER FOOT)	\$3.00		\$0.00
TWO SPEED HYDRAULIC MAIN DRUM CONTROL	\$1,049.00		\$0.00
THREE SPEED HYDRAULIC MAIN DRUM CONTROL	\$4,724.00		\$0.00
UPGRADE TO FLOATING SCROLL - MAIN DRUM AUTO-LEVEL WIND	\$576.00		\$0.00
BUCKET LOCATION METER (FOOTAGE COUNTER)	\$391.00		\$0.00
ANTI-BACK LASH UPPER ROLLER ASSEMBLY (PULL-IN UNIT ONLY)	\$755.00		\$0.00
BUCKET ARM AND CHAIN (PULL-IN UNIT ONLY)	\$274.00		\$0.00
ADDITIONAL 1/2" CLEVIS PIN	\$35.00		\$0.00
1500' CAPACITY OVERNIGHT CABLE DRUM	\$1,128.00		\$0.00
1/4" CABLE FOR OVERNIGHT CABLE DRUM (PRICE PER FOOT)	\$2.00		\$0.00
OVERNIGHT CABLE DRUM LEVEL WIND	\$319.00		\$0.00
<u>SAFETY LIGHTING OPTIONS:</u>			
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00



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August 16, 2017

PO #

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 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



HYDRAULIC BUCKET MACHINES

Series II Truck Loader Bucket Machine

<u>Drum / Ramp:</u>	<u>Engine / Controls:</u>	<u>Trailer:</u>
1500' Capacity Main Cable Drum w/ Clutch Main Cable Drum Auto-Level Wind Main Cable Drum Hand Brake Drum Speed Control Single Speed Hydraulic control Bucket Shaker Ramp capacity - 36" Bucket Roller capacity - 36" Bucket	Kubota 25hp Diesel Engine pull force - 4000# @ 150 ft/min recommended up to 18" Buckets Key Ignition Switch 800 CCA Battery Lighted NEMA 4 control panel Painted Steel shrouding <u>Trailer:</u> (4) Manual Stabilizers Fenders, Electric brakes	Steel toolbox (1) - tongue mtd Retractable Swivel Wheel 2-5/16" Ball Hitch w/ Jack LED D.O.T. approved lighting GVWR - 6000# <u>Accessories:</u> (1) Cable Swivel (1) 1/2" Clevis Pin Start Up Kit for Yoke (1) Paper Operator's Manual

BASE UNIT AS OUTLINED ABOVE	\$40,136.00	1	\$40,136.00
LIST PRICE OF SELECTED OPTIONS:			\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0%			\$ -
NET PRICE OF UNIT:			\$40,136.00
ESTIMATED FREIGHT:			\$0.00
ESTIMATED TOTAL:			\$40,136.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

<u>ENGINE / CONTROLS:</u>	LIST PRICE	QTY	TOTAL
UPGRADE TO KUBOTA 35hp DIESEL ENGINE - WATER COOLED (pull force - 6500# @ 150 ft/min; recommended up to 36" Buckets)	\$4,519.00	1	\$4,519.00
VOLTAGE METER	\$202.00	1	\$202.00
HOURLY METER	\$304.00	1	\$304.00
<u>DRUM / CABLE:</u>			
1/2" CABLE FOR MAIN CABLE DRUM (PRICE PER FOOT)	\$2.50	0	\$0.00
TWO SPEED HYDRAULIC MAIN DRUM CONTROL	\$1,049.00	0	\$0.00
THREE SPEED HYDRAULIC MAIN DRUM CONTROL	\$4,724.00	0	\$0.00
UPGRADE TO DOUBLE SCROLL - MAIN DRUM AUTO-LEVEL WIND	\$1,140.00	0	\$0.00
BUCKET LOCATION METER (FOOTAGE COUNTER)	\$391.00	0	\$0.00
ADDITIONAL 1/2" CLEVIS PIN	\$35.00	0	\$0.00
1500' CAPACITY OVERNIGHT CABLE DRUM	\$1,128.00	0	\$0.00
1/4" CABLE FOR OVERNIGHT CABLE DRUM (PRICE PER FOOT)	\$1.57	0	\$0.00
OVERNIGHT CABLE DRUM LEVEL WIND	\$319.00	0	\$0.00
<u>SAFETY LIGHTING OPTIONS:</u>			
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00	0	\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00	0	\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00	0	\$0.00



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August 16, 2017

PO #

Product Class:

WO#

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



JAJ-600SK Skid Steered Easement Machine

Power System:

Mounts to Skid Steer Universal
 Coupler and powered by Skid Steer
 Aux. Hydraulics w/ minimum
 10.5 gpm @ 2500 psi

Hose Reel:

Rotating Safety Hose Reel
 600' x 1" Sewer Hose Capacity
 Pressure Relief Valve
 Hose Reel Variable Speed Control

Accessories:

10' Leader Hose
 Hydraulic Pressure Gauge
 Water Pressure Gauge
 (1) Paper Operator Manual

BASE UNIT AS OUTLINED ABOVE

\$13,700.00 1 \$13,700.00

LIST PRICE OF SELECTED OPTIONS: \$0.00

LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$13,700.00

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$13,700.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

HOSE REEL / HOSE OPTIONS:

	LIST PRICE	QTY	TOTAL
AUTOMATIC LEVEL WIND w/ HYDRAULIC UP/DOWN ACTION (LIMIT HOSE TO 500' of 1")	\$5,231.00		\$0.00
DEDUCT FOR FIXED HOSE REEL	(\$1,600.00)		\$0.00
DIGITAL "SMART COUNTER" FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
FOOTAGE METER (MOUNTED ON MANUAL LEVEL WIND * not available w/ ALW)	\$740.00		\$0.00
SEWER HOSE (1" I.D., 2500 P.S.I. OPERATING PRESSURE) PER FT	\$4.17		\$0.00
SEWER HOSE (1" I.D., 3000 P.S.I. OPERATING PRESSURE) PER FT	\$5.01		\$0.00
25' x 1" LEADER HOSE (IN LIEU OF STANDARD 10')	\$327.00		\$0.00
MINI-MISSILE NOZZLE	\$412.00		\$0.00
PATRIOT II ROOT CUTTER KIT (RING & ADJ ROLLER SKIDS, 4" TO 15" SAWS)	\$2,477.00		\$0.00
ACCUMULATOR (TO BE USED IN CONJUNCTION WITH SINGLE PISTON PUMPS)	\$3,031.00		\$0.00
PINCH ROLLER	\$1,371.00		\$0.00
OUTRIGGERS (FOUR)	\$692.00		\$0.00

LIGHTING OPTIONS:

LED FLOOD LIGHT	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
12 VOLT POWER OUTLET	\$76.00		\$0.00
HANDHELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT WITH STORAGE BRACKET	\$312.00		\$0.00

PAINT:

HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED		
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		

MANUALS & TRAINING:

ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
USB OPERATOR'S MANUAL	\$54.00		\$0.00



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August 16, 2017

PO #

Product Class:
 WO#

Distributor:

End User:

Address:

City, State, Zip:

Phone:

Contact:

Email:



JAJ-600WH Work Horse Easement Machine

Power System:

Gas powered, Hydraulically driven
 Dual Independent Extendable Tracks
 Skid Style steering
 Dual Hydraulic Tool Circuit 5 or 10gpm

Hose Reel:

Rotating Safety Hose Reel
 600' x 1" Sewer Hose Capacity
 Pressure Relief Valve
 Hose Reel Variable Speed Control

Features:

10' Leader Hose
 Hydraulic Pressure Gauge
 Water Pressure Gauge
 Hour Meter
 (1) Paper Operator Manual

BASE UNIT AS OUTLINED ABOVE

\$51,425.00 1 \$51,425.00

LIST PRICE OF SELECTED OPTIONS: \$0.00

LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: **\$51,425.00**

FACTORY SUPPLIED CHASSIS:

ESTIMATED FREIGHT:

ESTIMATED TOTAL: **\$51,425.00**

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

HOSE REEL / HOSE OPTIONS:

	LIST PRICE	QTY	TOTAL
AUTOMATIC LEVEL WIND w/ HYDRAULIC UP/DOWN ACTION (LIMIT HOSE TO 500' of 1")	\$5,231.00		\$0.00
DEDUCT FOR FIXED HOSE REEL	(\$1,600.00)		\$0.00
DIGITAL "SMART COUNTER" FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
FOOTAGE METER (MOUNTED ON MANUAL LEVEL WIND * not available w/ ALW)	\$740.00		\$0.00
SEWER HOSE (1" I.D., 2500 P.S.I. OPERATING PRESSURE) PER FT	\$4.05		\$0.00
SEWER HOSE (1" I.D., 3000 P.S.I. OPERATING PRESSURE) PER FT	\$4.87		\$0.00
TESTING FEE (FOR UNITS ORDERD W/OUT SEWER HOSE)	\$422.00		\$0.00
25' x 1" LEADER HOSE (IN LIEU OF STANDARD 10')	\$327.00		\$0.00
PATRIOT II ROOT CUTTER KIT (RING & ADJ ROLLER SKIDS, 4" TO 15" SAWS) **Must provide GPM / PSI of Host Jetter**	\$2,477.00		\$0.00
ACCUMULATOR (TO BE USED IN CONJUNCTION WITH SINGLE PISTON PUMPS)	\$3,031.00		\$0.00
PINCH ROLLER	\$1,371.00		\$0.00
OUTRIGGERS (FOUR)	\$692.00		\$0.00

LIGHTING OPTIONS:

FLOOD LIGHT (LED)	\$419.00		\$0.00
ROTATING BEACON (LED)	\$505.00		\$0.00
STROBE LIGHT (LED)	\$488.00		\$0.00
12 VOLT POWER OUTLET	\$76.00		\$0.00
HANDHELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT WITH STORAGE BRACKET	\$312.00		\$0.00

PAINT:

HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED		
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		



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PO #

Product Class:

WO #

REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 545 Trailer Mounted High Pressure Sewer Cleaner

Engine & Pump:

2.5L Ford Engine
 Giant 40 GPM @ 2000 PSI
 w/30 Min Run Dry Capability
 Lighted Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Air Purge Valve
 Recirculation System
 Non-Shrouded Design

Hose Reel & Hose:

Rotating Safety Reel
 w/800' Capacity of 3/4" Hose

Tank & Fill:

700 Gal. Black Super-Poly Water Tank
 2.5" Fill System

Trailer:

Tandem Axles 14,000 GVWR
 Electric Brakes w/2-5/16" Ball Hitch
 (1) Steel Toolbox - Fender Mounted
 D.O.T. Approved LED Lighting

Accessories:

10' Leader Hose
 BB Hose Guide
 Upstream Pulley Guide
 Tri-Star (Chisel Point) Nozzle
 DD (High Flow) Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 Paper Operator / Owner Manual

BASE UNIT AS OUTLINED ABOVE

\$44,606.00

1

\$44,606.00

LIST PRICE OF SELECTED OPTIONS: \$0.00

LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$44,606.00

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$44,606.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE

QTY

TOTAL

ENGINE & PUMP OPTIONS:

UPGRADE TO CATERPILDIESEL ENGINE	\$3,060.00		\$0.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		
UPGRADE TO 1" SYSTEM: INCLUDES CATERPILLAR 122HP DIESEL ENGINE AND GIANT 65 GPM @ 2000 PSI PLUNGER STYLE TRIPLEX WATER PUMP W/30 MINUTE RUN DRY CAPABILITY (INCLUDES UPGRADE TO 1" SEWER HOSE)	\$18,754.00		\$0.00
FOR OPERATING AT ALTITUDES ABOVE 2000 FT.	CONTACT FACTORY		
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00
ELECTRONIC THROTTLE CONTROL (INCLUDED W/STANDARD, MASTER, & WIRELESS PENDANT)	\$675.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
TACHOMETER / HOUR METER	\$482.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
HYDRAULIC TOOL CIRCUIT (RATED @ 9.5 GPM, SYSTEM ENGAGED VIA MANUAL DIVERTER VALVE AND SUPPLIED W/ PARKER 60 SERIES CONNECTORS)	\$1,887.00		\$0.00

HOSE REEL & HOSE OPTIONS:

DEDUCT FOR "FIXED" HOSE REEL	(\$1,600.00)		\$0.00
AUTOMATIC LEVELWIND WITH HYDRAULIC UP/DOWN ACTION	\$5,231.00		\$0.00

DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
FOOTAGE METER (MOUNTED ON MANUAL LEVELWIND - NOT AVAILABLE W/ALW)	\$740.00		\$0.00
TESTING FEE (FOR UNITS ORDERD W/OUT SEWER HOSE)	\$422.00		\$0.00
SEWER HOSE (3/4" I.D. X 2500 PSI OPERATING PRESSURE) PER FT.	\$3.79		\$0.00
SEWER HOSE (3/4" I.D. X 3000 PSI OPERATING PRESSURE) PER FT.	\$4.10		\$0.00
25' X 3/4" LEADER HOSE (IN LIEU OF STANDARD 10')	\$202.00		\$0.00
25' X 1" LEADER HOSE (IN LIEU OF STANDARD 10')	\$327.00		\$0.00
LATERAL LINE CLEANING KIT (150' X 1/2" HOSE W/NOZZLE MOUNTED ON A ROLLING CART WITH TONGUE STORAGE PAD, INCLUDES ADDITION OF 1200 PSI AUXILIARY CLEANING CIRCUIT ON JET UNIT)	\$3,779.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
MINI MISSILE NOZZLE	\$412.00		\$0.00
PATRIOT II ROOT CUTTER KIT (RING & ADJ. ROLLER SKIDS, 4" TO 15" SAWS)	\$2,477.00		\$0.00
TANK & FILL OPTIONS:			
25' FILL HOSE FOR FILL SYSTEM	\$248.00		\$0.00
FILL HOSE STORAGE RACK	\$197.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/26 GALLON RESERVIOR)	\$1,116.00		\$0.00
TOOL STORAGE OPTIONS:			
HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$854.00		\$0.00
ADD ADDITIONAL TOP OPENING STEEL TOOLBOX	\$483.00		\$0.00
UPGRADE TO TOP OPENING ALUMINUM TOOLBOX	\$322.00		\$0.00
ADD ADDITIONAL TOP OPENING ALUMINUM TOOLBOX	\$805.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
ROOT CUTTER MAINTENANCE BOX	\$2,248.00		\$0.00
LIGHTING OPTIONS:			
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
BASIC PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$2,267.00		\$0.00
STANDARD PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, AND KILL SWITCH) INCLUDES MANIFOLD HYDRAULICS	\$3,055.00		\$0.00
PAINT:			
TOOLBOX: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
TRAILER OPTIONS:			
SPARE TIRE AND RIM	\$448.00		\$0.00
HYDRAULIC BRAKES	\$1,271.00		\$0.00
POWER JACK	\$745.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
TRUCK OPTIONS:			
MOUNT JET UNIT ON CHASSIS (INCLUDED (1) ALUMINUM UNDERBODY TOOLBOX, MUDFLAPS, & AUXILIARY FUEL TANK)	\$1,969.00		\$0.00
AIR PURGE SYSTEM (POWERED VIA CHASSIS)	\$1,271.00		\$0.00
REAR GAUGE CLUSTER (VOLTS, WATER TEMP, OIL PRESSURE): OPTION REQUIRES CHASSIS TO BE PROVIDED WITH EITHER A SAE J1939 INTERFACE (MULTIPLEX SYSTEMS) OR ENGINE ACCESS FOR ANALOG GAUGE SENDERS	\$986.00		\$0.00
ADD ADDITIONAL FRONT OPENING STEEL TOOLBOX	\$312.00		\$0.00
UPGRADE TO FRONT OPENING ALUMINUM TOOLBOX	\$559.00		\$0.00
ADD ADDITIONAL FRONT OPENING ALUMINUM TOOLBOX	\$752.00		\$0.00

MANUALS & TRAINING:

ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
USB OPERATOR'S MANUAL	\$54.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00

SPECIAL ITEMS:

			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

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August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
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 Email: _____



MODEL 123 Trailer Mounted High Pressure Sewer Cleaner

Engine & Pump:

Kohler 25HP Gas Engine
 Air Cooled
 Udor 12 GPM @ 3000 PSI
 Nema 4 Control Panel
 Auto Shutdown
 (For Low Oil Pressure)
 Recirculation System
 Hour Meter
 Pulsation System

Hose Reel & Hose:

Fixed Hose Reel
 w/250' Capacity of 3/8" Hose
 Electric Rewind

Trailer:

Single Torsion Axle, 3,500 GVWR
 2" Ball Hitch
 (1) Aluminum Toolbox
 D.O.T. Approved LED Lighting

Tank & Fill:

150 Gal. Black Super-Poly
 Water Tank

Accessories:

Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WT Nozzle
 Nozzle Rack
 USB Operator / Owner Manual

BASE UNIT AS OUTLINED ABOVE

\$19,982.00 1 \$19,982.00

LIST PRICE OF SELECTED OPTIONS: \$0.00

LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$19,982.00

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$19,982.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

ENGINE & PUMP OPTIONS:

FOR OPERATING AT ALTITUDES ABOVE 2000 FT.

LIST PRICE QTY TOTAL

CONTACT FACTORY

HOSE REEL & HOSE OPTIONS:

DESCRIPTION	LIST PRICE	QTY	TOTAL
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$956.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$964.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
ANTI-FREEZE SYSTEM (REDUCES WATER TANK CAPACITY BY APPROXIMATELY 10 GALLONS)	\$1,038.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
BB HOSE GUIDE	\$59.00		\$0.00

TANK & FILL OPTIONS:

GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
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TRAILER OPTIONS:

ALUMINUM ROCK GUARD	\$453.00		\$0.00
SPECIAL PAINT: SOLID COLORS (ABOVE DECK TOOLBOX)	\$300.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
DEDUCT TO SKID MOUNT - 300g UNITS	(\$505.00)		\$0.00

MANUALS & TRAINING:

ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00

SPECIAL ITEMS:

			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

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		WO #
		REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 123-V Van Pack High Pressure Sewer Cleaner

Engine & Pump:

Kohler 25HP Gas Engine
 Air Cooled
 Udor 12 GPM @ 3000 PSI
 Nema 4 Control Panel
 Auto Shutdown
 (For Low Oil Pressure)
 Recirculation System
 Hour Meter
 5 Gallon Auxiliary Fuel Tank
 Pulsation System

Hose Reel & Hose:

Fixed Hose Reel
 w/250' Capacity of 3/8" Hose
 Electric Rewind

Tank & Fill:

200 Gallon Duraprolene™ (Black)
 w/Overflow
 Garden Hose Fill System

Accessories:

Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WT Nozzle
 Nozzle Rack
 USB Operator / Owner Manual

BASE UNIT AS OUTLINED ABOVE (SIDE DOOR REEL MOUNT)	\$21,260.00	1	\$21,260.00
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- * **REQUIRES VAN RATED AT 10,000# GVWR**
- * **REQUIRES MINIMUM SIDE DOOR OPENING OF 40" WIDE X 47" HIGH**
- * **REQUIRES MINIMUM DISTANCE BETWEEN WHEEL WELLS OF 40"**
- * **REQUIRES MINIMUM DISTANCE BEHIND DOOR OPENING OF 65"**

BASE UNIT AS OUTLINED ABOVE (REAR DOOR REEL MOUNT)	\$20,640.00		\$0.00
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- * **REQUIRES VAN RATED AT 10,000# GVWR**
- * **REQUIRES MINIMUM REAR DOOR OPENING OF 40" WIDE X 47" HIGH**
- * **REQUIRES MINIMUM DISTANCE BETWEEN WHEEL WELLS OF 40"**
- * **REQUIRES MINIMUM DISTANCE BEHIND DOOR OPENING OF 65"**

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS DISCOUNT (enter % →) 0%	\$ -
NET PRICE OF UNIT:	\$21,260.00
FACTORY SUPPLIED CHASSIS:	
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$21,260.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE	QTY	TOTAL
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ENGINE & PUMP OPTIONS:

FOR OPERATING AT ALTITUDES ABOVE 2000 FT.

CONTACT FACTORY

HOSE REEL & HOSE OPTIONS:

1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$956.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$964.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
ANTI-FREEZE SYSTEM (REDUCES WATER TANK CAPACITY BY APPROXIMATELY 10 GALLONS)	\$1,038.00		\$0.00
BB HOSE GUIDE	\$59.00		\$0.00
INSTALLATION FEE (ONLY INCLUDES MOUNTING & EXHAUST)	\$1,287.00		\$0.00
INSTALLATION KIT - 93038-00-S (INCLUDED WHEN UNIT IS SHIPPED TO CUSTOMER)	\$0.00		\$0.00

MANUALS & TRAINING:

ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00

SPECIAL ITEMS:

			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

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		WO #
		REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 184 Trailer Mounted High Pressure Sewer Cleaner

Engine & Pump:

2.5L Ford Engine w/ Full Shroud
 UDOR 18 GPM @ 4000 PSI
 w/30 Min Run Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter

Hose Reel & Hose:

Fixed Safety Hose Reel
 w/600' Capacity of 1/2" Hose
 500' of 1/2" x 4000 PSI Sewer Hose

Trailer:

Single Torsion Axle, 6,000 GVWR
 Electric Brakes w/2-5/16" Ball Hitch
 (1) Steel Toolbox - Fender Mounted
 D.O.T. Approved LED Lighting

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

Tank & Fill:

300 Gal. Black Super-Poly Water Tank
 Or 600 Gal. Black Super-Poly Water Tank

MODEL 184	300 Gallon Single Axle	\$41,569.00	1	\$41,569.00
MODEL 184XL	600 Gallon Dual Axle	\$45,499.00		\$0.00

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0%	\$ -
NET PRICE OF UNIT:	\$41,569.00
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$41,569.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

<u>STANDARD OPTIONS:</u>	<u>LIST PRICE</u>	<u>QTY</u>	<u>TOTAL</u>
ENGINE & PUMP OPTIONS:			
UPGRADE TO CATERPILLAR 49.5HP SHROUDED DIESEL ENGINE	\$2,040.00		\$0.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		
UPGRADE TO CATERPILLAR 60HP TURBO CHARGED DIESEL ENGINE (RECOMMENDED FOR ALTITUDES ABOVE 2000 FT)	\$3,327.00		\$0.00
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
ELECTRONIC THROTTLE CONTROL (INCLUDED W/STANDARD, MASTER, & WIRELESS PENDANT)	\$675.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00

PULSATION SYSTEM	\$188.00		\$0.00
400,000 BTU BOILER RATED 12 GPM @ 3000 PSI (INCLUDES TANDEM AXLE FRAME / NOT AVAILABLE WITH 184XL 600 GAL MODEL, DUAL REEL OPTION, OR BOX STYLE FENDERS)	\$8,300.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
HYDRAULIC TELESCOPING HOSE REEL (FIXED OR ROTATING REEL) SKID UNITS ONLY	\$2,841.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY (300 GALLON UNIT / INCLUDES ADDITION OF SECOND AXLE)	\$3,141.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY (600 GALLON UNIT)	\$978.00		\$0.00
ADDITIONAL 100' OF 1/2" SEWER HOSE	\$372.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
DUAL HOSE REEL (1/2" X 600' CAPACITY REEL AND A SECOND REEL WITH 3/8" X 500' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES & NOZZLE RACK / INCLUDES TANDEM AXLE FRAME / NOT AVAILABLE ON 184XL 600 GALLON MODEL, OR BOILER)	\$7,325.00		\$0.00
SEWER HOSE (3/8" I.D. X 4000 PSI OPERATING PRESSURE) 250'	\$537.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
UPGRADE TO PARKER SEWER HOSE (1/2" I.D. X 4000 PSI OPERATING PRESSURE) PER	\$0.00		\$0.00
TANK & FILL OPTIONS:			
UPGRADE TO FULLY BAFFLED 300 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$4,321.00		\$0.00
UPGRADE TO FULLY BAFFLED 600 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$5,686.00		\$0.00
2.5" FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
UPGRADE TO 32 GALLON FUEL CAPACITY (NOT AVAILABLE W/ANTI-FREEZE SYSTEM)	\$931.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/16 GALLON RESERVIOR) *CONTACT FACTORY IF ORDERING W/HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00
BELOW DECK 20 GALLON FUEL TANK (IN LIEU OF STANDARD 16 GALLON ON UNIT) - INCLUDES REEFER STYLE MOUNTS AND ELECTRONIC FUEL GAUGE FOR SKID MOUNTED UNITS ONLY	\$795.00		\$0.00
AUXILIARY EXTERNAL FUEL FILL FOR SKID MOUNTED UNITS ONLY	\$295.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$489.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED SAFETY LIGHT PACKAGE (INCLUDES (4) - 4" LED AMBER STROBES, (1) LED AMBER STROBE, (1) LED ARROW STICK)	\$2,203.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,806.00		\$0.00
TRAILER OPTIONS:			
UPGRADE TO TANDEM AXLE TRAILER (300 GALLON MODEL ONLY)	\$1,744.00		\$0.00
UPGRADE TO PAINTED STEEL BOX STYLE FENDERS (PER PAIR)	\$1,022.00		\$0.00
UPGRADE TO ALUMINUM BOX STYLE FENDERS (PER PAIR)	\$1,918.00		\$0.00
HOSE GUIDE / UPSTREAM PULLEY GUIDE STORAGE	\$599.00		\$0.00

UPGRADE TO TOP OPENING ALUMINUM TOOLBOX	\$322.00		\$0.00
UPGRADE TO FRONT OPENING STEEL TOOLBOX	\$618.00		\$0.00
UPGRADE TO FRONT OPENING ALUMINUM TOOLBOX	\$778.00		\$0.00
UPGRADE TO FRONT OPENING ALUMINUM TOOLBOX (88"L / XL UNITS ONLY)	\$1,929.00		\$0.00
ADD ADDITIONAL TOP OPENING STEEL TOOLBOX	\$483.00		\$0.00
ADD ADDITIONAL TOP OPENING ALUMINUM TOOLBOX	\$805.00		\$0.00



1590 Dutch Road | Dixon, IL 61021
 p 815.835.5566 | f 815.284.5600
 www.SewerEquipment.com

August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 184 - ETK Box Truck Mounted High Pressure Sewer Cleaner

Engine & Pump:

3.0L Gas Engine w/ Full Shroud
 UDOR 18 GPM @ 4000 PSI
 w/30 Min Run Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter
 Auxiliary Fuel Tank

Hose Reel & Hose:

Telescoping Fixed Safety Reel
 w/600' Capacity of 1/2" Hose
 500' of 1/2" x 4000 PSI Sewer Hose

Truck:

Steel Platform Chassis Deck
 Mounting to Approved Chassis
 D.O.T. Approved LED Lighting

Tank & Fill:

300 Gallon Duraprolene™ (Black)
 Or 600 Gallon Duraprolene™ (Black)
 Water Tank w/10 Year Warranty

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

MODEL 184 - ETK 300 Gallon \$52,775.00 1 \$52,775.00

- * **12' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 84" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 17,500#.
- * **14' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 108" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 18,000#.
- * **16' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 138" & AFTER FRAME (AF) OF 67" AND A MINIMUM CHASSIS GVWR OF 18,500#.

MODEL 184XL - ETK 600 Gallon \$61,705.00 \$0.00

- * **12' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 84" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 20,000#.
- * **14' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 108" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 20,500#.
- * **16' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 138" & AFTER FRAME (AF) OF 67" AND A MINIMUM CHASSIS GVWR OF 21,000#.

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0%	\$ -
NET PRICE OF UNIT:	\$52,775.00
ENCLOSURE PRICE:	\$0.00
FACTORY SUPPLIED CHASSIS:	
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$52,775.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE QTY TOTAL

ENGINE & PUMP OPTIONS:

UPGRADE TO CATERPILLAR 60HP TURBO CHARGED SHROUDED DIESEL ENGINE (RECOMMENDED FOR ALTITUDES ABOVE 2000 FT)	\$3,327.00		\$0.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		

HYDRAULIC DRIVE VIA TRANSMISSION MOUNTED PTO (MINIMUM ALLISON 3000RDS)	(\$206.00)		\$0.00
UPGRADE TO 3/4" SYSTEM: INCLUDES CATERPILLAR 122HP DIESEL ENGINE AND 40 GPM @ 4000 PSI WATER PUMP (INCLUDES UPGRADE TO 3/4" SEWER HOSE)	\$16,390.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
PULSATION SYSTEM	\$188.00		\$0.00
400,000 BTU BOILER RATED 12 GPM @ 3000 PSI	\$8,300.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$978.00		\$0.00
ADDITIONAL 100' OF 1/2" SEWER HOSE	\$372.00		\$0.00
TELESCOPING DUAL HOSE REEL (1/2" X 600' CAPACITY REEL AND A SECOND REEL WITH 3/8" X 500' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES & NOZZLE RACK	\$8,928.00		\$0.00
SEWER HOSE (3/8" I.D. X 4000 PSI OPERATING PRESSURE) 250'	\$536.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
FILL HOSE STORAGE RACK	\$197.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
TANK & FILL OPTIONS:			
2.5' FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/16 GALLON RESERVIOR) *CONTACT FACTORY IF ORDERING W/HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
TRUCK OPTIONS:			
CHIP GUARD COATING	\$745.00		\$0.00
REAR BACK UP CAMERA W/7 INCH COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00

PAINT:

TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		

MANUALS & TRAINING:

ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00

NOZZLES & ACCESSORIES:

ADDITIONAL 1/2" WARTHOG™ WS NOZZLE W/SERVICE KIT	\$1,336.00		\$0.00
ADDITIONAL 1/2" FLUSHING NOZZLE (5R @ 30 DEGREE)	\$151.00		\$0.00
ADDITIONAL 1/2" PENETRATOR NOZZLE (1F, 5R @ 15 DEGREE)	\$151.00		\$0.00
1/2" SNUB NOZE NOZZLE (BALL JET 6R @ 15 DEGREE)	\$98.00		\$0.00
1/2" TREMOL NOZZLE (3R @ 15 DEGREE)	\$502.00		\$0.00
1/2" WIESEL PENETRATION NOZZLE (EGG 1F, 6R @ 25 DEGREE)	\$325.00		\$0.00
1/2" TRISTAR CHISEL NOZZLE (ARROW 4F, 6R @ 30 DEGREE)	\$330.00		\$0.00
3/8" WARTHOG™ WT NOZZLE WITH 1/4" ADAPTER & SERVICE KIT	\$1,015.00		\$0.00
1/2" WARTHOG™ WH NOZZLE W/SERVICE KIT	\$1,706.00		\$0.00
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$681.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$717.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
MOUNTING OF MINI DRAIN KIT TO DECK (PER KIT)	\$372.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$838.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
COMPOSITE TOOLBOX	\$360.00		\$0.00
VENTURI PUMP	\$756.00		\$0.00

ENCLOSURE OPTIONS:

12' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED ROLL UP REAR DOOR AND 36" CURB SIDE FORWARD HINGED MAN DOOR W/STEPS	\$18,413.00		\$0.00
14' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED ROLL UP REAR DOOR AND 36" CURB SIDE FORWARD HINGED MAN DOOR W/STEPS	\$18,873.00		\$0.00
16' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED ROLL UP REAR DOOR AND 36" CURB SIDE FORWARD HINGED MAN DOOR W/STEPS	\$20,834.00		\$0.00

SPECIAL ITEMS

			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

SIGNATURE

DATE

Please return a signed copy to bigequipment@SewerEquipment.com



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 p 815.835.5566 | f 815.284.5600
 www.SewerEquipment.com

#NAME?	PO #	Product Class:
		WO #
		REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 184 - TK Truck Mounted High Pressure Sewer Cleaner

Engine & Pump:

3.0L Gas Engine w/ Full Shroud
 UDOR 18 GPM @ 4000 PSI
 w/30 Min Run Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter
 Auxiliary Fuel Tank

Hose Reel & Hose:

Fixed Safety Hose Reel
 w/600' Capacity of 1/2" Hose
 500' of 1/2" Sewer Hose 4000 psi

Truck:

Steel Platform Chassis Deck
 Mounting to Approved Chassis
 (1) Aluminum Underbody Toolbox
 D.O.T. Approved LED Lighting

Tank & Fill:

300 Gal. Black Super-Poly Water Tank
 Or 600 Gal. Black Super-Poly Water Tank

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

MODEL 184 - TK 300 Gallon **\$49,052.00** 1 **\$49,052.00**

- * REQUIRES CHASSIS RATED AT 5,500# CARRYING CAPACITY, MIN (17,500# GVWR TYP)
- * REQUIRES CHASSIS CAB TO REAR AXLE (CA) of 60" & AFTER FRAME (AF) of 48"

MODEL 184XL - TK 600 Gallon **\$54,685.00** **\$0.00**

- * REQUIRES CHASSIS RATED AT 8,000# CARRYING CAPACITY, MIN (19,500# GVWR TYP)
- * REQUIRES CHASSIS CAB TO REAR AXLE (CA) of 108" & AFTER FRAME (AF) of 48"

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0% \$	-
NET PRICE OF UNIT:	\$49,052.00
FACTORY SUPPLIED CHASSIS:	
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$49,052.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

<u>STANDARD OPTIONS:</u>	<u>LIST PRICE</u>	<u>QTY</u>	<u>TOTAL</u>
ENGINE & PUMP OPTIONS:			
UPGRADE TO CATERPILLAR 49.5HP SHROUDED DIESEL ENGINE	\$2,040.00	1	\$2,040.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		
UPGRADE TO CATERPILLAR 60HP TURBO CHARGED SHROUDED DIESEL ENGINE (RECOMMENDED FOR ALTITUDES ABOVE 2000 FT)	\$3,327.00	1	\$3,327.00

HYDRAULIC DRIVE VIA TRANSMISSION MOUNTED PTO (MINIMUM ALLISON 3000RDS)	(\$1,500.00)		\$0.00
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL)	\$708.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
PULSATION SYSTEM	\$188.00		\$0.00
400,000 BTU BOILER RATED 12 GPM @ 3000 PSI	\$8,300.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$978.00		\$0.00
ADDITIONAL 100' OF 1/2" SEWER HOSE	\$372.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
HYDRAULIC TELESCOPING HOSE REEL (FIXED OR ROTATING REEL) SKID UNITS ONLY	\$2,841.00		\$0.00
TELESCOPING DUAL HOSE REEL (1/2" X 600' CAPACITY REEL AND A SECOND REEL WITH 3/8" X 500' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES & NOZZLE RACK	\$8,928.00		\$0.00
SEWER HOSE (3/8" I.D. X 4000 PSI OPERATING PRESSURE) 250'	\$536.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
TANK & FILL OPTIONS:			
UPGRADE TO FULLY BAFFLED 300 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$4,321.00		\$0.00
UPGRADE TO FULLY BAFFLED 600 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$5,686.00		\$0.00
2.5" FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/16 GALLON RESERVIOR) *CONTACT FACTORY IF ORDERING W/HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00

TRUCK OPTIONS:			
(1) - 18" X 18" X 36" FRONT OPENING ALUMINUM TOOLBOX (MAX. 2 PER UNIT)	\$856.00		\$0.00
HOSE GUIDE / UPSTREAM PULLEY GUIDE STORAGE	\$599.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
REAR BACK UP CAMERA W/7 INCH COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
HITCH - REESE STYLE (10,000 LBS MAXIMUM) W/CAB MOUNTED BRAKE CONTROLLER AND 7-PIN RV TYPE RECEPTACLE	\$707.00		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
MANUALS & TRAINING:			
ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00
NOZZLES & ACCESSORIES:			
ADDITIONAL 1/2" WARTHOG™ WS NOZZLE W/SERVICE KIT	\$1,336.00		\$0.00
ADDITIONAL 1/2" FLUSHING NOZZLE (5R @ 30 DEGREE)	\$151.00		\$0.00
ADDITIONAL 1/2" PENETRATOR NOZZLE (1F, 5R @ 15 DEGREE)	\$151.00		\$0.00
1/2" SNUB NOZE NOZZLE (BALL JET 6R @ 15 DEGREE)	\$98.00		\$0.00
1/2" TREMOL NOZZLE (3R @ 15 DEGREE)	\$502.00		\$0.00
1/2" WIESEL PENETRATION NOZZLE (EGG 1F, 6R @ 25 DEGREE)	\$325.00		\$0.00
1/2" TRISTAR CHISEL NOZZLE (ARROW 4F, 6R @ 30 DEGREE)	\$330.00		\$0.00
3/8" WARTHOG™ WT NOZZLE WITH 1/4" ADAPTER & SERVICE KIT	\$1,015.00		\$0.00
1/2" WARTHOG™ WH NOZZLE W/SERVICE KIT	\$1,706.00		\$0.00
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$681.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$717.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
MOUNTING OF MINI DRAIN KIT TO DECK (PER KIT)	\$372.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$838.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
COMPOSITE TOOLBOX	\$360.00		\$0.00
VENTURI PUMP	\$756.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
SIGNATURE		DATE	
Please return a signed copy to bigequipment@SewerEquipment.com			



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 p 815.835.5566 | f 815.284.5600
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#NAME?	PO #	Product Class:
		WO #
		REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 184 - VS
Van Mounted High Pressure Sewer Cleaner (SIDE REEL MOUNT)

Engine & Pump: 2.5L Ford Engine w/ Full Shroud UDOR 18 GPM @ 4000 PSI w/30 Min Run Dry Capability Nema 4 Control Panel Auto Shutdown (For High Engine Temp / Low Oil Pressure) Recirculation System Hour Meter Auxillary Fuel Tank	Hose Reel & Hose: Fixed Safety Hose Reel w/600' Capacity of 1/2" Hose 500' of 1/2" x 4000 PSI Sewer Hose Truck: Mounting to Approved Chassis Power Vent Air System Tank & Fill: 200 Gallon Duraprolene™ (Black) Water Tank w/10 Year Warranty	Accessories: 10' Leader Hose BB Hose Guide Cleaning Nozzle Penetrator Nozzle Warthog™ WS Nozzle Finned Nozzle Extension Nozzle Rack USB Operator / Owner Manual
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MODEL 184 - VS **\$48,727.00** 1 **\$48,727.00**

- * REQUIRES VAN RATED AT 10,000# GVWR
- * REQUIRES MINIMUM SIDE DOOR OPENING OF 60" WIDE X 54" HIGH
- * REQUIRES MINIMUM DISTANCE BETWEEN WHEEL WELLS OF 36"

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0% \$	-
NET PRICE OF UNIT:	\$48,727.00
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$48,727.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

<u>STANDARD OPTIONS:</u>	<u>LIST PRICE</u>	<u>QTY</u>	<u>TOTAL</u>
ENGINE & PUMP OPTIONS:			
UPGRADE TO TIER IV FINAL ENGINE			CONTACT FACTORY
UPGRADE TO CATERPILLAR 60HP TURBO CHARGED DIESEL ENGINE (RECOMMENDED FOR ALTITUDES ABOVE 2000 FT)	\$3,327.00		\$0.00
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
PULSATION SYSTEM	\$188.00		\$0.00

HOSE REEL & HOSE OPTIONS:			
HYDRAULIC TELESCOPING HOSE REEL (FIXED OR ROTATING REEL) SKID UNITS ONLY	\$2,841.00		\$0.00
ADDITIONAL 100' OF 1/2" SEWER HOSE	\$372.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
TANK & FILL OPTIONS:			
2.5" FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
ANTI-FREEZE SYSTEM (REDUCES WATER TANK CAPACITY BY APPROXIMATELY 10 GALLONS)	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
MANUALS & TRAINING:			
ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00

NOZZLES & ACCESSORIES:

ADDITIONAL 1/2" WARTHOG™ WS NOZZLE W/SERVICE KIT	\$1,336.00		\$0.00
ADDITIONAL 1/2" FLUSHING NOZZLE (5R @ 30 DEGREE)	\$106.00		\$0.00
ADDITIONAL 1/2" PENETRATOR NOZZLE (1F, 5R @ 15 DEGREE)	\$116.00		\$0.00
1/2" SNUB NOZE NOZZLE (BALL JET 6R @ 15 DEGREE)	\$116.00		\$0.00
1/2" TREMOL NOZZLE (3R @ 15 DEGREE)	\$647.00		\$0.00
1/2" WIESEL PENETRATION NOZZLE (EGG 1F, 6R @ 25 DEGREE)	\$441.00		\$0.00
1/2" TRISTAR CHISEL NOZZLE (ARROW 4F, 6R @ 30 DEGREE)	\$199.00		\$0.00
3/8" WARTHOG™ WT NOZZLE WITH 1/4" ADAPTER & SERVICE KIT	\$1,440.00		\$0.00
1/2" WARTHOG™ WH NOZZLE W/SERVICE KIT	\$2,199.00		\$0.00
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$956.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$964.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
MOUNTING OF MINI DRAIN KIT TO DECK (PER KIT)	\$372.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$703.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
COMPOSITE TOOLBOX	\$360.00		\$0.00
VENTURI PUMP	\$1,149.00		\$0.00

SPECIAL ITEMS:

			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

SIGNATURE

DATE

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August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor:

End User:

Address:

City, State, Zip:

Phone:

Contact:

Email:



MODEL 254 - ETK Box Truck Mounted High Pressure Sewer Cleaner

Engine & Pump:

Kubota 66HP 4 Cyl. Diesel Engine
 UDOR 25 GPM @ 4000 PSI
 w/30 Min Run-Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter
 Auxiliary Fuel Tank

Hose Reel & Hose:

Telescoping Fixed Safety Reel
 w/500' Capacity of 5/8" Hose
 500' of 5/8" x 4000 PSI Sewer Hose

Truck:

Steel Platform Chassis Deck
 Mounting to Approved Chassis
 D.O.T. Approved LED Lighting

Tank & Fill:

300 Gallon Duraprolene™ (Black)
 Or 600 Gallon Duraprolene™ (Black)
 Water Tank w/10 Year Warranty

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

MODEL 254 - ETK 300 Gallon

\$58,659.00

1

\$58,659.00

* **12' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 84" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 17,500#.

* **14' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 108" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 18,000#.

* **16' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 138" & AFTER FRAME (AF) OF 67" AND A MINIMUM CHASSIS GVWR OF 18,500#.

MODEL 254XL - ETK 600 Gallon

\$68,803.00

\$0.00

* **12' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 84" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 20,000#.

* **14' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 108" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 20,500#.

* **16' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 138" & AFTER FRAME (AF) OF 67" AND A MINIMUM CHASSIS GVWR OF 21,000#.

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0%	\$
NET PRICE OF UNIT:	\$58,659.00
ENCLOSURE PRICE:	\$0.00
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$58,659.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE

QTY

TOTAL

ENGINE & PUMP OPTIONS:

	CONTACT FACTORY:		
	LIST PRICE	QTY	TOTAL
UPGRADE TO TIER IV FINAL ENGINE OR GAS ENGINE			\$0.00
HYDRAULIC DRIVE VIA TRANSMISSION MOUNTED PTO (MINIMUM ALLISON 3000RDS)	\$2,144.00		\$0.00
UPGRADE TO 3/4" SYSTEM: INCLUDES CATERPILLAR 122HP DIESEL ENGINE AND 40 GPM @ 4000 PSI WATER PUMP (INCLUDES UPGRADE TO 3/4" SEWER HOSE)	\$16,390.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00

GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
PULSATION SYSTEM	\$353.00		\$0.00
ENGINE PROTECTOR	\$581.00		\$0.00
ENGINE SHROUD	\$1,410.00		\$0.00
400,000 BTU BOILER RATED 12 GPM @ 3000 PSI	\$8,300.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$978.00		\$0.00
ADDITIONAL 100' OF 5/8" SEWER HOSE (ONLY FOR 1000' CAPACITY REEL)	\$389.00		\$0.00
TELESCOPING DUAL HOSE REEL (1/2" X 600' CAPACITY REEL AND A SECOND REEL WITH 3/8" X 500' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES & NOZZLE RACK	\$8,928.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
SEWER HOSE (3/8" I.D. X 4000 PSI OPERATING PRESSURE) 250'	\$536.00		\$0.00
FILL HOSE STORAGE RACK	\$197.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
TRUCK OPTIONS:			
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
TANK & FILL OPTIONS:			
2.5' FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/16 GALLON RESERVIOR) *CONTACT FACTORY IF ORDERING W/HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
STORAGE & MISC. OPTIONS			
CONTACT FACTORY FOR ADDITIONAL TOOLBOXES AVAILABLE BASED ON LAYOUT OF BOXED ENCLOSURE			
CHIP GUARD COATING	\$745.00		\$0.00
REAR BACK UP CAMERA W/7 INCH COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
MANUALS & TRAINING:			

ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00
NOZZLES & ACCESSORIES:			
ADDITIONAL 1/2" WARTHOG™ WS NOZZLE W/SERVICE KIT	\$1,336.00		\$0.00
ADDITIONAL 1/2" FLUSHING NOZZLE (5R @ 30 DEGREE)	\$151.00		\$0.00
ADDITIONAL 1/2" PENETRATOR NOZZLE (1F, 5R @ 15 DEGREE)	\$151.00		\$0.00
1/2" SNUB NOZE NOZZLE (BALL JET 6R @ 15 DEGREE)	\$98.00		\$0.00
1/2" TREMOL NOZZLE (3R @ 15 DEGREE)	\$502.00		\$0.00
1/2" WIESEL PENETRATION NOZZLE (EGG 1F, 6R @ 25 DEGREE)	\$325.00		\$0.00
1/2" TRISTAR CHISEL NOZZLE (ARROW 4F, 6R @ 30 DEGREE)	\$330.00		\$0.00
3/8" WARTHOG™ WT NOZZLE WITH 1/4" ADAPTER & SERVICE KIT	\$1,015.00		\$0.00
1/2" WARTHOG™ WH NOZZLE W/SERVICE KIT	\$1,706.00		\$0.00
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$681.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$717.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
MOUNTING OF MINI DRAIN KIT	\$372.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$838.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
COMPOSITE TOOLBOX	\$360.00		\$0.00
VENTURI PUMP	\$756.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
ENCLOSURE OPTIONS			
12' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED ROLL UP REAR DOOR AND 36" CURB SIDE FORWARD HINGED MAN DOOR W/STEPS	\$18,413.00		
14' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED ROLL UP REAR DOOR AND 36" CURB SIDE FORWARD HINGED MAN DOOR W/STEPS	\$18,873.00		
16' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED ROLL UP REAR DOOR AND 36" CURB SIDE FORWARD HINGED MAN DOOR W/STEPS	\$20,834.00		
SIGNATURE	DATE		
Please return a signed copy to bigequipment@SewerEquipment.com			



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 www.SewerEquipment.com

August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 184 - ETKS
Box Truck Mounted High Pressure Sewer Cleaner (side reel mount)

Engine & Pump:

UDOR 18 GPM @ 4000 PSI
 w/30 Min Run Dry Capability
 Chassis Powered PTO Drive System
 Nema 4 Control Panel
 Recirculation System
 Hour Meter
 Auxiliary Fuel Tank

Hose Reel & Hose:

Telescoping Fixed Safety Reel
 w/600' Capacity of 1/2" Hose
 500' of 1/2" Sewer Hose 4000 psi

Truck:

Steel Platform Chassis Deck
 Mounting to Approved Chassis
 D.O.T. Approved LED Lighting

Tank & Fill:

(2) - 200 Gallon Duraprolene™ (Black)
 Water Tanks w/10 Year Warranty

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

MODEL 184 - ETKS 400 Gallon **\$59,878.00** **1** **\$59,878.00**

* **14' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 108" & AFTER FRAME (AF) OF 72" AND A MIN. CHASSIS GVWR OF 26,000#.

* **16' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 138" & AFTER FRAME (AF) OF 67" AND A MIN. CHASSIS GVWR OF 26,000#.

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0% \$	-
NET PRICE OF UNIT:	\$59,878.00
ENCLOSURE PRICE:	\$0.00
FACTORY SUPPLIED CHASSIS:	
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$59,878.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

ENGINE & PUMP OPTIONS:

	LIST PRICE	QTY	TOTAL
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00	1	\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00	1	\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00	1	\$0.00

DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
PULSATION SYSTEM	\$188.00		\$0.00
400,000 BTU BOILER RATED 12 GPM @ 3000 PSI	\$8,300.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$978.00		\$0.00
ADDITIONAL 100' OF 1/2" SEWER HOSE	\$372.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
TRUCK OPTIONS:			
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
REAR BACK UP CAMERA W/7 INCH COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
TANK & FILL OPTIONS:			
FILL HOSE STORAGE RACK	\$197.00		\$0.00
2.5" FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE)	\$912.00		\$0.00
FACTORY IF ORDERING W/HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
MANUALS & TRAINING:			
ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00

NOZZLES & ACCESSORIES:			
ADDITIONAL 1/2" WARTHOG™ WS NOZZLE W/SERVICE KIT	\$1,336.00		\$0.00
ADDITIONAL 1/2" FLUSHING NOZZLE (5R @ 30 DEGREE)	\$151.00		\$0.00
ADDITIONAL 1/2" PENETRATOR NOZZLE (1F, 5R @ 15 DEGREE)	\$151.00		\$0.00
1/2" SNUB NOZE NOZZLE (BALL JET 6R @ 15 DEGREE)	\$98.00		\$0.00
1/2" TREMOL NOZZLE (3R @ 15 DEGREE)	\$502.00		\$0.00
1/2" WIESEL PENETRATION NOZZLE (EGG 1F, 6R @ 25 DEGREE)	\$325.00		\$0.00
1/2" TRISTAR CHISEL NOZZLE (ARROW 4F, 6R @ 30 DEGREE)	\$330.00		\$0.00
3/8" WARTHOG™ WT NOZZLE WITH 1/4" ADAPTER & SERVICE KIT	\$1,015.00		\$0.00
1/2" WARTHOG™ WH NOZZLE W/SERVICE KIT	\$1,706.00		\$0.00
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$681.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$717.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
MOUNTING OF MINI DRAIN KIT TO DECK (PER KIT)	\$372.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$838.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
COMPOSITE TOOLBOX	\$360.00		\$0.00
VENTURI PUMP	\$756.00		\$0.00
ENCLOSURE OPTIONS:			
14' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED "GARGAE STYLE" REAR DOOR AND 54" ALUMINUM ROLL UP DOOR	\$18,873.00		\$0.00
16' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED "GARGAE STYLE" REAR DOOR AND 54" ALUMINUM ROLL UP DOOR	\$20,834.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
SIGNATURE		DATE	
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#NAME?	PO #	Product Class:
		WO #
		REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 184 - VR

Van Mounted High Pressure Sewer Cleaner (REAR REEL MOUNT)

Engine & Pump:

3.0L Gas Engine w/ Full Shroud
 UDOR 18 GPM @ 4000 PSI
 w/30 Min Run Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter
 Auxiliary Fuel Tank

Hose Reel & Hose:

Fixed Safety Hose Reel
 w/600' Capacity of 1/2" Hose
 500' of 1/2" x 4000 PSI Sewer Hose

Truck:

Mounting to Approved Chassis
 Power Vent Air System

Tank & Fill:

200 Gallon Duraprolene™ (Black)
 Water Tank w/10 Year Warranty

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

MODEL 184 - VR	\$47,205.00	1	\$47,205.00
-----------------------	--------------------	----------	--------------------

- * **REQUIRES VAN RATED AT 10,000# GVWR**
- * **REQUIRES MINIMUM REAR DOOR OPENING OF 60" WIDE X 51" HIGH**
- * **REQUIRES MINIMUM DISTANCE BETWEEN WHEEL WELLS OF 36"**
- * **REQUIRES MINIMUM DISTANCE BEHIND WHEEL WELLS OF 36"**

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0% \$	-
NET PRICE OF UNIT:	\$47,205.00
<i>ESTIMATED FREIGHT:</i>	
ESTIMATED TOTAL:	\$47,205.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE QTY TOTAL

ENGINE & PUMP OPTIONS:

	CONTACT FACTORY		
UPGRADE TO TIER IV FINAL ENGINE			
UPGRADE TO CATERPILLAR 60HP TURBO CHARGED SHROUDED DIESEL ENGINE (RECOMMENDED FOR ALTITUDES ABOVE 2000 FT)	\$3,327.00		\$0.00
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
PULSATION SYSTEM	\$188.00		\$0.00

HOSE REEL & HOSE OPTIONS:			
HYDRAULIC TELESCOPING HOSE REEL (FIXED OR ROTATING REEL) SKID UNITS ONLY	\$2,841.00		\$0.00
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
ADDITIONAL 100' OF 1/2" SEWER HOSE	\$372.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
TANK & FILL OPTIONS:			
2.5" FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
ANTI-FREEZE SYSTEM (REDUCES WATER TANK CAPACITY BY APPROXIMATELY 10 GALLONS)	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
MAGNETIC SPOTLIGHT	\$211.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
MANUALS & TRAINING:			
ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00

NOZZLES & ACCESSORIES:			
ADDITIONAL 1/2" WARTHOG™ WS NOZZLE W/SERVICE KIT	\$1,336.00		\$0.00
ADDITIONAL 1/2" FLUSHING NOZZLE (5R @ 30 DEGREE)	\$151.00		\$0.00
ADDITIONAL 1/2" PENETRATOR NOZZLE (1F, 5R @ 15 DEGREE)	\$151.00		\$0.00
1/2" SNUB NOZE NOZZLE (BALL JET 6R @ 15 DEGREE)	\$98.00		\$0.00
1/2" TREMOL NOZZLE (3R @ 15 DEGREE)	\$502.00		\$0.00
1/2" WIESEL PENETRATION NOZZLE (EGG 1F, 6R @ 25 DEGREE)	\$325.00		\$0.00
1/2" TRISTAR CHISEL NOZZLE (ARROW 4F, 6R @ 30 DEGREE)	\$330.00		\$0.00
3/8" WARTHOG™ WT NOZZLE WITH 1/4" ADAPTER & SERVICE KIT	\$1,015.00		\$0.00
1/2" WARTHOG™ WH NOZZLE W/SERVICE KIT	\$1,706.00		\$0.00
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$681.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$717.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
MOUNTING OF MINI DRAIN KIT	\$372.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$838.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
COMPOSITE TOOLBOX	\$360.00		\$0.00
VENTURI PUMP	\$756.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
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SIGNATURE		DATE	
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August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 254 Trailer Mounted High Pressure Sewer Cleaner

Engine & Pump:

Kubota 66HP 4 Cyl. Diesel Engine
 UDOR 25 GPM @ 4000 PSI
 w/30 Min Run Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter

Hose Reel & Hose:

Fixed Safety Hose Reel
 w/500' Capacity of 5/8" Hose
 500' of 5/8" x 4000 PSI Sewer Hose

Trailer:

Single Torsion Axle, 6,000 GVWR
 Electric Brakes w/2-5/16" Ball Hitch
 (1) Steel Toolbox - Fender Mounted
 D.O.T. Approved LED Lighting

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

Tank & Fill:

300 Gal. Black Super-Poly Water Tank
 Or 600 Gal. Black Super-Poly Water Tank

MODEL 254	300 Gallon Single Axle	\$48,641.00	1	\$48,641.00
MODEL 254XL	600 Gallon Dual Axle	\$52,689.00	0	\$0.00

LIST PRICE OF SELECTED OPTIONS:		\$0.00
LESS PERCENTAGE DISCOUNT (enter % →)	0%	\$ -
NET PRICE OF UNIT:		\$48,641.00
ESTIMATED FREIGHT:		
ESTIMATED TOTAL:		\$48,641.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

<u>STANDARD OPTIONS:</u>	<u>LIST PRICE</u>	<u>QTY</u>	<u>TOTAL</u>
ENGINE & PUMP OPTIONS:			
UPGRADE TO TIER IV FINAL ENGINE OR GAS ENGINE			CONTACT FACTORY
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
ELECTRONIC THROTTLE CONTROL (INCLUDED W/STANDARD, MASTER, & WIRELESS PENDANT)	\$675.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
PULSATION SYSTEM	\$353.00		\$0.00
ENGINE PROTECTOR	\$581.00		\$0.00
ENGINE SHROUD	\$1,410.00		\$0.00
400,000 BTU BOILER RATED 12 GPM @ 3000 PSI (INCLUDES TANDEM AXLE FRAME / NOT AVAILABLE WITH 254XL 600 GAL MODEL, DUAL REEL OPTION, OR BOX STYLE FENDERS)	\$8,300.00		\$0.00

HOSE REEL & HOSE OPTIONS:			
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY (300 GALLON UNIT / INCLUDES ADDITION OF SECOND AXLE)	\$3,141.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY (600 GALLON UNIT)	\$978.00		\$0.00
ADDITIONAL 100' OF 5/8" SEWER HOSE (ONLY FOR 1000' CAPACITY REEL)	\$389.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
DUAL HOSE REEL (5/8" X 500' CAPACITY REEL AND A SECOND REEL WITH 1/2" X 600' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES & NOZZLE RACK / INCLUDES TANDEM AXLE FRAME / NOT AVAILABLE ON 254XL 600 GALLON MODEL, OR BOILER)	\$7,325.00		\$0.00
SEWER HOSE (1/2" I.D. X 4000 PSI OPERATING PRESSURE) 100'	\$372.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
TANK & FILL OPTIONS:			
UPGRADE TO FULLY BAFFLED 300 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$4,321.00		\$0.00
UPGRADE TO FULLY BAFFLED 600 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$5,686.00		\$0.00
2.5" FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/16 GALLON RESERVIOR) *CONTACT FACTORY IF ORDERING W/HOSE GUIDEWASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED SAFETY LIGHT PACKAGE (INCLUDES (4) - 4" LED AMBER STROBES, (1) LED AMBER STROBE, (1) LED ARROW STICK)	\$2,203.00		\$0.00
HAND-HELD WIRELESS 12V/110V RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
TRAILER OPTIONS:			
UPGRADE TO PAINTED STEEL BOX STYLE FENDERS (PER PAIR)	\$1,022.00		\$0.00
UPGRADE TO ALUMINUM BOX STYLE FENDERS (PER PAIR)	\$1,918.00		\$0.00
UPGRADE TO TOP OPENING ALUMINUM TOOLBOX	\$322.00		\$0.00
UPGRADE TO FRONT OPENING STEEL TOOLBOX	\$618.00		\$0.00
UPGRADE TO FRONT OPENING ALUMINUM TOOLBOX	\$778.00		\$0.00
UPGRADE TO FRONT OPENING ALUMINUM TOOLBOX (88"L / XL UNITS ONLY)	\$1,929.00		\$0.00
ADD ADDITIONAL TOP OPENING STEEL TOOLBOX	\$483.00		\$0.00
ADD ADDITIONAL TOP OPENING ALUMINUM TOOLBOX	\$805.00		\$0.00
ADD ADDITIONAL FRONT OPENING STEEL TOOLBOX	\$1,206.00		\$0.00

ADD ADDITIONAL FRONT OPENING ALUMINUM TOOLBOX	\$1,391.00		\$0.00
ADD ADDITIONAL FRONT OPENING ALUMINUM TOOLBOX (88"L / XL UNITS ONLY)	\$1,929.00		\$0.00
HOSE GUIDE / UPSTREAM PULLEY GUIDE STORAGE	\$599.00		\$0.00
SPARE TIRE AND RIM	\$448.00		\$0.00
SPARE TIRE MOUNTING BRACKET	\$391.00		\$0.00
HYDRAULIC BRAKES	\$1,271.00		\$0.00
ALUMINUM ROCK GUARD	\$453.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
DEDUCT TO SKID MOUNT - 300g UNITS	(\$300.00)		\$0.00
DEDUCT TO SKID MOUNT - 600g UNITS	(\$600.00)		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
MANUALS & TRAINING:			
ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00
NOZZLES & ACCESSORIES:			
ADDITIONAL 1/2" WARTHOG™ WS NOZZLE W/SERVICE KIT	\$1,336.00		\$0.00
ADDITIONAL 1/2" FLUSHING NOZZLE (5R @ 30 DEGREE)	\$151.00		\$0.00
ADDITIONAL 1/2" PENETRATOR NOZZLE (1F, 5R @ 15 DEGREE)	\$151.00		\$0.00
1/2" SNUB NOZE NOZZLE (BALL JET 6R @ 15 DEGREE)	\$98.00		\$0.00
1/2" TREMOL NOZZLE (3R @ 15 DEGREE)	\$502.00		\$0.00
1/2" WIESEL PENETRATION NOZZLE (EGG 1F, 6R @ 25 DEGREE)	\$325.00		\$0.00
1/2" TRISTAR CHISEL NOZZLE (ARROW 4F, 6R @ 30 DEGREE)	\$330.00		\$0.00
3/8" WARTHOG™ WT NOZZLE WITH 1/4" ADAPTER & SERVICE KIT	\$1,015.00		\$0.00
1/2" WARTHOG™ WH NOZZLE W/SERVICE KIT	\$1,706.00		\$0.00
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$681.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$717.00		\$0.00
MOUNTING OF MINI DRAIN KIT	\$372.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$838.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
COMPOSITE TOOLBOX	\$360.00		\$0.00
VENTURI PUMP	\$756.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
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SIGNATURE		DATE	
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August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor:

End User:

Address:

City, State, Zip:

Phone:

Contact:

Email:



MODEL 254 - TK Truck Mounted High Pressure Sewer Cleaner

Engine & Pump:

Kubota 66HP 4 Cyl. Diesel Engine
 UDOR 25 GPM @ 4000 PSI
 w/30 Min Run Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter
 Auxiliary Fuel Tank

Hose Reel & Hose:

Fixed Safety Hose Reel
 w/600' Capacity of 1/2" Hose
 500' of 5/8" x 4000 PSI Sewer Hose

Truck:

Steel Platform Chassis Deck
 Mounting to Approved Chassis
 D.O.T. Approved LED Lighting
 (1) Aluminum Underbody Toolbox

Tank & Fill:

300 Gal. Black Super-Poly Water Tank
 Or 600 Gal. Black Super-Poly Water Tank

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

MODEL 254 - TK 300 Gallon \$56,800.00 1 \$56,800.00

* REQUIRES CHASSIS RATED AT 5,500# CARRYING CAPACITY, MIN (17,500# GVWR TYP)

* REQUIRES CHASSIS CAB TO REAR AXLE (CA) of 60" & AFTER FRAME (AF) of 48"

MODEL 254XL - TK 600 Gallon \$62,634.00 0 \$0.00

* REQUIRES CHASSIS RATED AT 8,000# CARRYING CAPACITY, MIN (19,500# GVWR TYP)

* REQUIRES CHASSIS CAB TO REAR AXLE (CA) of 108" & AFTER FRAME (AF) of 48"

LIST PRICE OF SELECTED OPTIONS: \$0.00
 LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$56,800.00

FACTORY SUPPLIED CHASSIS:

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$56,800.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE

QTY

TOTAL

ENGINE & PUMP OPTIONS:

	CONTACT FACTORY	
	LIST PRICE	TOTAL
UPGRADE TO TIER IV FINAL ENGINE		\$0.00
HYDRAULIC DRIVE VIA TRANSMISSION MOUNTED PTO (MINIMUM ALLISON 3000RDS)	\$2,144.00	\$0.00
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00	\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00	\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00	\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00	\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00	\$0.00
PULSATION SYSTEM	\$353.00	\$0.00
ENGINE PROTECTOR	\$581.00	\$0.00
ENGINE SHROUD	\$1,410.00	\$0.00
400,000 BTU BOILER RATED 12 GPM @ 3000 PSI	\$8,300.00	\$0.00

HOSE REEL & HOSE OPTIONS:			
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$978.00		\$0.00
ADDITIONAL 100' OF 5/8" SEWER HOSE (ONLY FOR 1000' CAPACITY REEL)	\$389.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
HYDRAULIC TELESCOPING HOSE REEL (FIXED OR ROTATING REEL) SKID UNITS ONLY	\$2,841.00		\$0.00
TELESCOPING DUAL HOSE REEL (5/8" X 500' CAPACITY REEL AND A SECOND REEL WITH SEWER HOSE (1/2" I.D. X 4000 PSI OPERATING PRESSURE) 100'	\$8,928.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$372.00		\$0.00
AIR PURGE SYSTEM	\$3,933.00		\$0.00
PINCH ROLLER	\$422.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$1,221.00		\$0.00
	\$762.00		\$0.00
TANK & FILL OPTIONS:			
UPGRADE TO FULLY BAFFLED 300 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$4,321.00		\$0.00
UPGRADE TO FULLY BAFFLED 600 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$5,686.00		\$0.00
2.5" FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
FACTORY IF ORDERING W/HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
TRUCK OPTIONS:			
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
(1) - 18" X 18" X 36" FRONT OPENING ALUMINUM TOOLBOX - (MAX. 4 PER UNIT)	\$856.00		\$0.00
(1) - 18" X 18" X 48" FRONT OPENING ALUMINUM TOOLBOX - (MAX. 4 PER UNIT)	\$984.00		\$0.00
HOSE GUIDE / UPSTREAM PULLLEY GUIDE STORAGE	\$599.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
REAR BACK UP CAMERA W/7 INCH COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
HITCH - REESE STYLE (10,000 LBS MAXIMUM) W/CAB MOUNTED BRAKE CONTROLLER AND 7-PIN RV TYPE RECEPTACLE	\$707.00		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS (ABOVE DECK TOOLBOX)	\$0.00		\$0.00
SPECIAL PAINT: SOLID COLORS			\$638.00
MANUALS & TRAINING:			
ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
ENCY DUMP GUN	\$838.00		\$0.00
ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
NOZZLES & ACCESSORIES:			
ADDITIONAL 1/2" WARTHOG™ WS NOZZLE W/SERVICE KIT	\$1,336.00		\$0.00
ADDITIONAL 1/2" FLUSHING NOZZLE (5R @ 30 DEGREE)	\$151.00		\$0.00

ADDITIONAL 1/2" PENETRATOR NOZZLE (1F, 5R @ 15 DEGREE)	\$151.00		\$0.00
1/2" SNUB NOZE NOZZLE (BALL JET 6R @ 15 DEGREE)	\$98.00		\$0.00
1/2" TREMOL NOZZLE (3R @ 15 DEGREE)	\$502.00		\$0.00
1/2" WIESEL PENETRATION NOZZLE (EGG 1F, 6R @ 25 DEGREE)	\$325.00		\$0.00
1/2" TRISTAR CHISEL NOZZLE (ARROW 4F, 6R @ 30 DEGREE)	\$330.00		\$0.00
3/8" WARTHOG™ WT NOZZLE WITH 1/4" ADAPTER & SERVICE KIT	\$1,015.00		\$0.00
1/2" WARTHOG™ WH NOZZLE W/SERVICE KIT	\$1,706.00		\$0.00
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$681.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$717.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
MOUNTING OF MINI DRAIN KIT	\$372.00		\$0.00
LATERAL LINE CLEANING KIT (150' X 1/2" HOSE W/NOZZLE MOUNTED ON A ROLLING CART)	\$0.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
COMPOSITE TOOLBOX	\$360.00		\$0.00
VENTURI PUMP	\$756.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
SIGNATURE _____ DATE _____			
Please return a signed copy to higeequipment@SewerEquipment.com			



1590 Dutch Road | Dixon, IL 61021
 p 815.835.5566 | f 815.284.5600
 www.SewerEquipment.com

August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



MODEL 254 - ETK Box Truck Mounted High Pressure Sewer Cleaner

Engine & Pump:

Kubota 66HP 4 Cyl. Diesel Engine
 UDOR 25 GPM @ 4000 PSI
 w/30 Min Run Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter
 Auxiliary Fuel Tank

Hose Reel & Hose:

Telescoping Fixed Safety Reel
 w/500' Capacity of 5/8" Hose
 500' of 5/8" x 4000 PSI Sewer Hose

Truck:

Steel Platform Chassis Deck
 Mounting to Approved Chassis
 D.O.T. Approved LED Lighting

Tank & Fill:

300 Gallon Duraprolene™ (Black)
 Or 600 Gallon Duraprolene™ (Black)
 Water Tank w/10 Year Warranty

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

MODEL 254 - ETK 300 Gallon \$58,659.00 1 \$58,659.00

* **12' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 84" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 17,500#.

* **14' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 108" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 18,000#.

* **16' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 138" & AFTER FRAME (AF) OF 67" AND A MINIMUM CHASSIS GVWR OF 18,500#.

MODEL 254XL - ETK 600 Gallon \$68,803.00 \$0.00

* **12' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 84" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 20,000#.

* **14' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 108" & AFTER FRAME (AF) OF 72" AND A MINIMUM CHASSIS GVWR OF 20,500#.

* **16' ENCLOSURE** REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF APPROXIMATELY 138" & AFTER FRAME (AF) OF 67" AND A MINIMUM CHASSIS GVWR OF 21,000#.

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0%	\$
NET PRICE OF UNIT:	\$58,659.00
ENCLOSURE PRICE:	\$0.00
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$58,659.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE QTY TOTAL

ENGINE & PUMP OPTIONS:

	CONTACT FACTORY		
	LIST PRICE	QTY	TOTAL
UPGRADE TO TIER IV FINAL ENGINE OR GAS ENGINE			\$0.00
HYDRAULIC DRIVE VIA TRANSMISSION MOUNTED PTO (MINIMUM ALLISON 3000RDS)	\$2,144.00		\$0.00
UPGRADE TO 3/4" SYSTEM: INCLUDES CATERPILLAR 122HP DIESEL ENGINE AND 40 GPM @ 4000 PSI WATER PUMP (INCLUDES UPGRADE TO 3/4" SEWER HOSE)	\$16,390.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00

GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
PULSATION SYSTEM	\$353.00		\$0.00
ENGINE PROTECTOR	\$581.00		\$0.00
ENGINE SHROUD	\$1,410.00		\$0.00
400,000 BTU BOILER RATED 12 GPM @ 3000 PSI	\$8,300.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
UPGRADE TO 1000' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$978.00		\$0.00
ADDITIONAL 100' OF 5/8" SEWER HOSE (ONLY FOR 1000' CAPACITY REEL)	\$389.00		\$0.00
TELESCOPING DUAL HOSE REEL (1/2" X 600' CAPACITY REEL AND A SECOND REEL WITH 3/8" X 500' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES & NOZZLE RACK	\$8,928.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
SEWER HOSE (3/8" I.D. X 4000 PSI OPERATING PRESSURE) 250'	\$536.00		\$0.00
FILL HOSE STORAGE RACK	\$197.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
TRUCK OPTIONS:			
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
TANK & FILL OPTIONS:			
2.5' FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/16 GALLON RESERVIOR) *CONTACT FACTORY IF ORDERING W/HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
STORAGE & MISC. OPTIONS			
CONTACT FACTORY FOR ADDITIONAL TOOLBOXES AVAILABLE BASED ON LAYOUT OF BOXED ENCLOSURE			
CHIP GUARD COATING	\$745.00		\$0.00
REAR BACK UP CAMERA W/7 INCH COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
MANUALS & TRAINING:			

ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00
NOZZLES & ACCESSORIES:			
ADDITIONAL 1/2" WARTHOG™ WS NOZZLE W/SERVICE KIT	\$1,336.00		\$0.00
ADDITIONAL 1/2" FLUSHING NOZZLE (5R @ 30 DEGREE)	\$151.00		\$0.00
ADDITIONAL 1/2" PENETRATOR NOZZLE (1F, 5R @ 15 DEGREE)	\$151.00		\$0.00
1/2" SNUB NOZE NOZZLE (BALL JET 6R @ 15 DEGREE)	\$98.00		\$0.00
1/2" TREMOL NOZZLE (3R @ 15 DEGREE)	\$502.00		\$0.00
1/2" WIESEL PENETRATION NOZZLE (EGG 1F, 6R @ 25 DEGREE)	\$325.00		\$0.00
1/2" TRISTAR CHISEL NOZZLE (ARROW 4F, 6R @ 30 DEGREE)	\$330.00		\$0.00
3/8" WARTHOG™ WT NOZZLE WITH 1/4" ADAPTER & SERVICE KIT	\$1,015.00		\$0.00
1/2" WARTHOG™ WH NOZZLE W/SERVICE KIT	\$1,706.00		\$0.00
1/8" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$681.00		\$0.00
1/4" MINI DRAIN KIT (HAND REEL WITH 100' OF HOSE, (2) NOZZLES, & PRESSURE GAUGE)	\$717.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
MOUNTING OF MINI DRAIN KIT	\$372.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$838.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
COMPOSITE TOOLBOX	\$360.00		\$0.00
VENTURI PUMP	\$756.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
ENCLOSURE OPTIONS			
12' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED ROLL UP REAR DOOR AND 36" CURB SIDE FORWARD HINGED MAN DOOR W/STEPS	\$18,413.00		
14' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED ROLL UP REAR DOOR AND 36" CURB SIDE FORWARD HINGED MAN DOOR W/STEPS	\$18,873.00		
16' ENCLOSURE MOUNTED ON CHASSIS - COMPLETE WITH 3" INSULATED WALLS, 65,000 BTU HEATER, (1) ROOF LIGHT, EXTRUDED ALUMINUM FLOOR W/DRAINS, INSULATED ROLL UP REAR DOOR AND 36" CURB SIDE FORWARD HINGED MAN DOOR W/STEPS	\$20,834.00		
SIGNATURE	DATE		
Please return a signed copy to bigequipment@SewerEquipment.com			



1590 Dutch Road | Dixon, IL 61021
 p 815.835.5566 | f 815.284.5600
 www.SewerEquipment.com

August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor:

End User:

Address:

City, State, Zip:

Phone:

Contact:

Email:



MODEL 402 Trailer Mounted High Pressure Sewer Cleaner

Engine & Pump:

4.3L Gas Engine w/ Full Shroud
 Giant 40 GPM @ 2000 PSI
 w/30 Min Run Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter

Hose Reel & Hose:

Fixed Safety Hose Reel
 w/400' Capacity of 3/4" Hose
 400' of 3/4" x 2500 PSI Sewer Hose

Trailer:

Single Torsion Axle, 6,000 GVWR
 Electric Brakes w/2-5/16" Ball Hitch
 (1) Steel Toolbox - Fender Mounted
 D.O.T. Approved LED Lighting

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

Tank & Fill:

300 Gal. Black Super-Poly Water Tank
 Or 600 Gal. Black Super-Poly Water Tank

MODEL 402	300 Gallon Single Axle	\$48,862.00	1	\$48,862.00
MODEL 402XL	600 Gallon Dual Axle	\$53,076.00	0	\$0.00

LIST PRICE OF SELECTED OPTIONS: \$0.00
 LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$48,862.00

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$48,862.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

LIST PRICE QTY TOTAL

ENGINE & PUMP OPTIONS:

UPGRADE TO CATERPILLAR 60HP TURBO CHARGED SHROUDED DIESEL ENGINE	\$3,327.00		\$0.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
FOR OPERATING AT ALTITUDES ABOVE 2000 FT.	CONTACT FACTORY		
ELECTRONIC THROTTLE CONTROL (INCLUDED W/STANDARD, MASTER, & WIRELESS PENDANT)	\$675.00		\$0.00
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00

HOSE REEL & HOSE OPTIONS:

ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
UPGRADE TO 500' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY (300 GALLON UNIT / INCLUDES ADDITION OF SECOND AXLE)	\$3,140.00		\$0.00
UPGRADE TO 500' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY (600 GALLON UNIT)	\$978.00		\$0.00
ADDITIONAL 100' OF 3/4" SEWER HOSE (ONLY FOR 500' CAPACITY REEL)	\$382.00		\$0.00
DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
DRAIN CLEANING KIT (200' X 1/2" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,442.00		\$0.00
MOUNTING OF MINI DRAIN KIT	\$372.00		\$0.00
25' X 3/4" LEADER HOSE (IN LIEU OF STANDARD 10')	\$202.00		\$0.00
AIR PURGE SYSTEM	\$1,221.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00

TANK & FILL OPTIONS:

UPGRADE TO FULLY BAFFLED 300 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$4,321.00		\$0.00
UPGRADE TO FULLY BAFFLED 600 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$5,686.00		\$0.00
2.5" FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
UPGRADE TO 32 GALLON FUEL CAPACITY (NOT AVAILABLE W/ANTI-FREEZE SYSTEM)	\$931.00		\$0.00
FACTORY IF ORDERING W/HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00

LIGHTING OPTIONS:

12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
LED SAFETY LIGHT PACKAGE (INCLUDES (4) - 4" LED AMBER STROBES, (1) LED AMBER STROBE, (1) LED ARROW STICK)	\$2,203.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00

PENDANT CONTROLS:

TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00

TRAILER OPTIONS:			
UPGRADE TO PAINTED STEEL BOX STYLE FENDERS (PER PAIR)	\$1,022.00		\$0.00
UPGRADE TO ALUMINUM BOX STYLE FENDERS (PER PAIR)	\$1,918.00		\$0.00
UPGRADE TO TOP OPENING ALUMINUM TOOLBOX	\$322.00		\$0.00
UPGRADE TO FRONT OPENING STEEL TOOLBOX	\$618.00		\$0.00
UPGRADE TO FRONT OPENING ALUMINUM TOOLBOX	\$778.00		\$0.00
UPGRADE TO FRONT OPENING ALUMINUM TOOLBOX (88"L / XL UNITS ONLY)	\$1,929.00		\$0.00
ADD ADDITIONAL TOP OPENING STEEL TOOLBOX	\$483.00		\$0.00
ADD ADDITIONAL TOP OPENING ALUMINUM TOOLBOX	\$805.00		\$0.00
ADD ADDITIONAL FRONT OPENING STEEL TOOLBOX	\$1,206.00		\$0.00
ADD ADDITIONAL FRONT OPENING ALUMINUM TOOLBOX	\$1,391.00		\$0.00
ADD ADDITIONAL FRONT OPENING ALUMINUM TOOLBOX (88"L / XL UNITS ONLY)	\$1,929.00		\$0.00
HOSE GUIDE / UPSTREAM PULLLEY GUIDE STORAGE	\$599.00		\$0.00
SPARE TIRE AND RIM	\$448.00		\$0.00
HYDRAULIC BRAKES	\$1,271.00		\$0.00
ALUMINUM ROCK GUARD	\$453.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
DEDUCT TO SKID MOUNT - 300g UNITS	(\$300.00)		\$0.00
DEDUCT TO SKID MOUNT - 600g UNITS	(\$600.00)		\$0.00
PAINT:			
TOOLBOX: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
MANUALS & TRAINING:			
ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$551.00		\$0.00
ACCESSORY OPTIONS:			
VENTURI PUMP	\$756.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$838.00		\$0.00
LATERAL LINE CLEANING KIT (250' X 3/8" HOSE W/NOZZLE MOUNTED ON A ROLLING CART WITH TONGUE STORAGE PAD, INCLUDES ADDITION OF 1200 PSI AUXILIARY CLEANING CIRCUIT ON JET UNIT)	\$3,779.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
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August 16, 2017

PO #

Product Class:
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Distributor:
 End User:
 Address:
 City, State, Zip:
 Phone:
 Contact:
 Email:



RAMVAC 1000 Trailer Mounted Vacuum Machine

Vacuum:

Caterpillar 60 hp Diesel Engine
 (with engine shroud)
 1400 CFM Positive Displacement Blower
 4" Hose System
 Gauge Package
 NEMA 4 Control Panel

Trailer:

Tandem Axles 18,000 GVWR
 Electric brakes
 Steel toolbox (1) - tongue mtd
 2-5/16" Ball Hitch
 7000# Hydraulic Tongue Jack
 LED D.O.T. approved lighting

Debris Tank:

625 Gallon (3 Cubic Yards)
 Hydraulic Door Locks
 Hydraulic Dump System
 Fold Down Pipe Rack
 Hydraulic Powered Open/Close
 Rear Door

Accessories:

(1) 4" x 10' Suction Hose
 (1) 4" x 4' Air Induction Tube
 (1) Paper Owner's Manual

BASE UNIT AS OUTLINED ABOVE **\$93,215.00** **1** **\$93,215.00**

LIST PRICE OF SELECTED OPTIONS: \$0.00
 LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -
 NET PRICE OF UNIT: \$93,215.00
 ESTIMATED FREIGHT:
 ESTIMATED TOTAL: \$ 93,215.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

VAC OPTIONS:	LIST PRICE	QTY	TOTAL
UPGRADE TO 1250 GALLON (6 cubic yards) DEBRIS TANK	\$4,075.00		\$0.00
UPGRADE TO DIESEL ENGINE (91 H.P.)	\$7,239.00		\$0.00
HIGH PRESSURE WATER SYSTEM (INCLUDES HIGH PRESSURE WATER PUMP (5 GPM / 2000 PSI), 150 GALLON WATER TANK & HIGH PRESSURE HAND GUN *AVAILABLE WITH 91 HP ENGINE ONLY*	\$15,461.00		\$0.00
HYDRO-EXCAVATION DIGGING WANDS & ACCESSORIES	\$2,631.00		\$0.00
CENTRAL LUBRICATION SYSTEM	\$2,369.00		\$0.00
HEAVY DUTY FILTRATION SYSTEM (CYCLONE & FINAL FILTER w/ REPLACEABLE ELEMENT) LIMITS WATER CAPACITY TO 75 GAL.	\$2,967.00		\$0.00
DEBRIS BODY PUMP OFF SYSTEM AND ACCESSORIES *AVAILABLE WITH 91 HP ENGINE ONLY*	\$5,253.00		\$0.00

OPTIONAL BOOM & FEATURES:

BOOM SYSTEM FOR 625 GALLON DEBRIS TANK w/ POWER ROTATION and 36" EXTENSION, TETHERED PENDANT AND ACCESSORIES	\$9,349.00		\$0.00
BOOM SYSTEM FOR 1250 GALLON DEBRIS TANK w/ POWER ROTATION and 60" EXTENSION, TETHERED PENDANT AND ACCESSORIES	\$9,924.00		\$0.00
WIRELESS PENDANT CONTROL INCLUDES: ENGINE THROTTLE UP/DOWN, VACUUM ENHANCER, BOOM EXTEND/RETRACT, BOOM LEFT/RIGHT, BOOM RAISE/LOWER, EMERGENCY KILL (AND WATER ON/OFF - IF APPLICABLE)	\$4,199.00		\$0.00
DIRECTIONAL BORING TOOL FOR POTHOLING	\$3,294.00		\$0.00



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August 16, 2017

PO #

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 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
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RAMVAC 3000 Trailer Mounted Vacuum Machine

Vacuum:

Caterpillar 137 hp Diesel Engine
 Engine Shroud
 3000 CFM Positive Displacement Blower
 Boom Assembly w/ Power Rotation
 6" Hose System
 Hvy Duty Filtration System (cyclone
 & final filter w/cleanable element)
 Gauge Package
 Control System - NEMA 4 Control
 Panel and Pendant
 (1) 6" x 10' Flat Discharge Hose

Debris Tank:

1250 Gallon (6 Cubic Yards)
 Hydraulic Door Locks
 Hydraulic Dump System
 Fold Down Pipe Rack
 Hydraulic Powered Open/Close Rear Door

Trailer:

Tandem Axles 18,000 GVWR
 Electric brakes, 2-5/16" Ball Hitch
 Steel toolbox (1) - tongue mounted
 7000# Hydraulic Tongue Jack
 LED D.O.T. approved lighting

Accessories:

(1) 6" x 16' Boom Hose
 (1) 6" Crown Nozzle
 (2) 6" x 6' Extension Tubes
 (1) 6" x 4' Extension Tube
 (1) 6" x 4' Air Induction Tube
 (1) Paper Owner's Manual

BASE UNIT AS OUTLINED ABOVE	\$127,021.00	1	\$127,021.00
LIST PRICE OF SELECTED OPTIONS:			\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0%			\$ -
NET PRICE OF UNIT:			\$127,021.00
ESTIMATED FREIGHT:			
ESTIMATED TOTAL:			\$ 127,021.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

VAC OPTIONS:	LIST PRICE	QTY	TOTAL
UPGRADE TO 8" SYSTEM	\$2,678.00		\$0.00
DEDUCT FOR 625 GALLON DEBRIS TANK *LIMITS WATER CAPACITY IF WATER SYSTEM IS ALSO ADDED*	(\$1,561.00)		\$0.00
HIGH PRESSURE WATER SYSTEM (INCLUDES HIGH PRESSURE WATER PUMP (5 GPM / 2000 PSI), 150 GALLON WATER TANK & HIGH PRESSURE HAND GUN	\$15,461.00		\$0.00
HYDRO-EXCAVATION DIGGING WANDS & ACCESSORIES	\$2,631.00		\$0.00
DIRECTIONAL BORING TOOL FOR POTHOLING	\$3,294.00		\$0.00
CENTRAL LUBRICATION SYSTEM	\$2,369.00		\$0.00
WIRELESS PENDANT CONTROL INCLUDES, ENGINE THROTTLE UP/DOWN, WATER PUMP ON/OFF, BOOM EXTEND/RETRACT, BOOM LEFT/RIGHT, BOOM RAISE/LOWER AND EMERGENCY KILL	\$4,199.00		\$0.00
DEBRIS BODY PUMP OFF SYSTEM AND ACCESSORIES	\$5,253.00		\$0.00
HIGH PERFORMANCE BLOWER SILENCER (LOWERS NOISE PRESSURE UP TO 4 db AT 15')	\$3,702.00		\$0.00
POWER EXTENSION FOR BOOM AND ACCESSORIES	\$4,463.00		\$0.00
LOW PRESSURE WASHDOWN SYSTEM:			
LOW PRESSURE WATER WASHDOWN SYSTEM (10 gpm @ 60 psi) INCLUDES: (2) 75 GALLON TANKS, 25' HOSE, TRIGGER STYLE NOZZLE, DRAIN VALVES	\$5,070.00		\$0.00
UPGRADE LOW PRESSURE WATER WASHDOWN SYSTEM TO INCLUDE AIR PURGE SYSTEM (PLUMBED TO QUICK CONNECT FITTING, INCLUDES ADAPTERS)	\$596.00		\$0.00
UPGRADE LOW PRESSURE WATER WASHDOWN SYSTEM TO INCLUDE WATER RECIRCULATING SYSTEM	\$596.00		\$0.00

POWER TRAIN:			
HYDRAULIC TOOL CIRCUIT (RATED AT 9.5 GPM, SYSTEM ENGAGED VIA MANUAL DIVERTER VALVE AND SUPPLIED W/ PARKER 60 SERIES CONNECTORS)	\$731.00		\$0.00
LIGHTING OPTIONS:			
OPERATOR STATION LIGHT	\$282.00		\$0.00
BOOM MOUNTED WORK LIGHTS (2)	\$757.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$992.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$1,180.00		\$0.00
HANDHELD WIRELESS 12v/110v RECHARGABLE LED SPOTLIGHT WITH STORAGE BRACKET	\$312.00		\$0.00
TRAILER OPTIONS:			
UPGRADE TO ALUMINUM TOOLBOX (TONGUE MOUNTED)	\$331.00		\$0.00
SPARE TIRE AND RIM	\$508.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
PAINT (TOOLBOX, SHROUD, DEBRIS TANK):			
STANDARD WHITE PAINT	INCLUDED		
ALL OTHER COLORS (EXCEPT METALLIC PAINT)	\$638.00		\$0.00
CONTACT FACTORY FOR LIST PRICE OF PAINTING OTHER COMPONENTS ON UNIT			
MANUALS & TRAINING:			
USB OPERATOR'S MANUAL	\$54.00		\$0.00
ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL) (1 DAY) **INCLUDES HOTEL & MEALS**	\$551.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
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August 16, 2017 / 12:00 AM

PO #

Product Class:

WO #

REV #

Distributor:

End User:

Address:

City, State, Zip:

Phone:

Contact:

Email:



MODEL 402 - TK Truck Mounted High Pressure Sewer Cleaner

Engine & Pump:

4.3L Gas Engine w/ Full Shroud
 Giant 40 GPM @ 2000 PSI
 w/30 Min Run Dry Capability
 Nema 4 Control Panel
 Auto Shutdown (For High Engine
 Temp / Low Oil Pressure)
 Recirculation System
 Hour Meter
 Auxiliary Fuel Tank

Hose Reel & Hose:

Fixed Safety Hose Reel
 w/400' Capacity of 3/4" Hose
 400' of 3/4" x 2500 PSI Sewer Hose

Truck:

Steel Platform Chassis Deck
 Mounting to Approved Chassis
 D.O.T. Approved LED Lighting

Tank & Fill:

300 Gal. Black Super-Poly Water Tank
 Or 600 Gal. Black Super-Poly Water Tank

Accessories:

10' Leader Hose
 BB Hose Guide
 Cleaning Nozzle
 Penetrator Nozzle
 Warthog™ WS Nozzle
 Finned Nozzle Extension
 Nozzle Rack
 USB Operator / Owner Manual

MODEL 402 - TK 300 Gallon \$53,162.00 1 \$53,162.00

* REQUIRES CHASSIS RATED AT 5,500# CARRYING CAPACITY MIN (17,500# GVWR TYP)

* REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF 60" & AFTER FRAME (AF) OF 48"

MODEL 402XL - TK 600 Gallon \$58,679.00 0 \$0.00

* REQUIRES CHASSIS RATED AT 8,000# CARRYING CAPACITY MIN (19,500# GVWR TYP)

* REQUIRES CHASSIS CAB TO REAR AXLE (CA) OF 108" & AFTER FRAME (AF) OF 48"

LIST PRICE OF SELECTED OPTIONS:	\$0.00
LESS PERCENTAGE DISCOUNT (enter % →) 0% \$	-
NET PRICE OF UNIT:	\$53,162.00
FACTORY SUPPLIED CHASSIS:	
ESTIMATED FREIGHT:	
ESTIMATED TOTAL:	\$53,162.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

STANDARD OPTIONS:

	LIST PRICE	QTY	TOTAL
ENGINE & PUMP OPTIONS:			
UPGRADE TO CATERPILLAR 60HP TURBO CHARGED SHROUDED DIESEL ENGINE	\$3,327.00		\$0.00
UPGRADE TO TIER IV FINAL ENGINE	CONTACT FACTORY		
GAUGE PACKAGE (HOUR METER, TACHOMETER, ENGINE VOLTS, ENGINE OIL PRESSURE, ENGINE TEMP)	\$708.00		\$0.00
FOR OPERATING AT ALTITUDES ABOVE 2000 FT.	CONTACT FACTORY		
ELECTRONIC WATER ON/OFF CONTROL (INCLUDED W/MASTER & WIRELESS PENDANT)	\$1,180.00		\$0.00
HYDRAULIC PRESSURE GAUGE	\$292.00		\$0.00
DIGITAL WATER PRESSURE GAUGE	\$1,076.00		\$0.00
BYPASS / FLOW CONTROL VALVE	\$351.00		\$0.00
DRAIN VALVES FOR WATER PUMP *RECOMMENDED FOR COLD CLIMATES*	\$150.00		\$0.00
HOSE REEL & HOSE OPTIONS:			
ROTATING SAFETY REEL W/INDUSTRIAL SWIVEL BEARING	\$2,052.00		\$0.00
UPGRADE TO 500' CAPACITY HOSE REEL IN LIEU OF STANDARD CAPACITY	\$978.00		\$0.00
ADDITIONAL 100' OF 3/4" SEWER HOSE (ONLY FOR 500' CAPACITY REEL)	\$382.00		\$0.00

DIGITAL 'SMART COUNTER' FOOTAGE METER	\$2,756.00		\$0.00
FOOTAGE METER (MOUNTED ON JET HOSE REEL)	\$699.00		\$0.00
HYDRAULIC TELESCOPING HOSE REEL (FIXED OR ROTATING REEL) SKID UNITS ONLY	\$2,841.00		\$0.00
TELESCOPING DUAL HOSE REEL (1/2" X 600' CAPACITY REEL AND A SECOND REEL WITH 3/8" X 500' CAPACITY / INCLUDES (2) ADDITIONAL NOZZLES & NOZZLE RACK	\$8,928.00		\$0.00
DIGITAL 'SMART COUNTER' FOR DUAL REEL UNITS	\$3,933.00		\$0.00
DRAIN CLEANING KIT (200' X 3/8" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,172.00		\$0.00
DRAIN CLEANING KIT (200' X 1/2" HOSE W/ (2) NOZZLES MOUNTED ON A ROLLING CART)	\$1,442.00		\$0.00
MOUNTING OF MINI DRAIN KIT TO DECK (PER KIT)	\$372.00		\$0.00
25' X 3/4" LEADER HOSE (IN LIEU OF STANDARD 10')	\$202.00		\$0.00
AIR PURGE SYSTEM	\$422.00		\$0.00
PINCH ROLLER	\$1,221.00		\$0.00
WASHDOWN SYSTEM W/GUN AND 25' OF HOSE	\$762.00		\$0.00
TANK & FILL OPTIONS:			
UPGRADE TO FULLY BAFFLED 300 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$4,321.00		\$0.00
UPGRADE TO FULLY BAFFLED 600 GALLON DURAPROLENE™ (BLACK) WATER TANK W/10 YEAR WARRANTY	\$5,686.00		\$0.00
2.5' FILL SYSTEM (W/25' FILL HOSE, ADAPTER, & STORAGE RACK)	\$626.00		\$0.00
GARDEN HOSE STYLE FILL SYSTEM (HEAVY DUTY REEL W/100' HOSE MOUNTED ON REAR TOOLBOX)	\$912.00		\$0.00
WINTERIZATION SYSTEM (ANTI-FREEZE SYSTEM W/16 GALLON RESERVIOR) *CONTACT FACTORY IF ORDERING W/HOSE GUIDE/WASH-DOWN GUN/UPSTREAM PULLEY GUIDE STORAGE TRAY	\$1,038.00		\$0.00
LIGHTING OPTIONS:			
12VDC POWER OUTLET	\$76.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
HAND-HELD WIRELESS 12v/110v RECHARGEABLE LED SPOTLIGHT W/STORAGE BRACKET	\$312.00		\$0.00
PENDANT CONTROLS:			
TETHERED PENDANT CONTROL WITH 35' CORD (WITH HOSE REEL F-N-R CONTROL, THROTTLE UP/DOWN, WATER ON/OFF AND KILL SWITCH)	\$3,844.00		\$0.00
WIRELESS REMOTE PENDANT CONTROL (WITH HOSE REEL RETREIVE CONTROL, THROTTLE UP/DOWN, WATER ON/OFF, AND KILL SWITCH)	\$4,805.00		\$0.00
TRUCK OPTIONS:			
NON-STOCK CHASSIS MOUNTING ALTERATIONS	\$1,362.00		\$0.00
(1) - 18" X 18" X 36" FRONT OPENING ALUMINUM TOOLBOX (MAX. 4 PER UNIT)	\$856.00		\$0.00
(1) - 18" X 18" X 48" FRONT OPENING ALUMINUM TOOLBOX (MAX. 4 PER UNIT)	\$984.00		\$0.00
HOSE GUIDE / UPSTREAM PULLLEY GUIDE STORAGE	\$599.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
REAR BACK UP CAMERA W/7 INCH COLOR MONITOR MOUNTED IN CAB	\$1,030.00		\$0.00
HITCH - REESE STYLE (10,000 LBS MAXIMUM) W/CAB MOUNTED BRAKE CONTROLLER AND 7-PIN RV TYPE RECEPTACLE	\$707.00		\$0.00
PAINT:			
TOOLBOX - SHROUD: STANDARD WHITE PAINT	INCLUDED	1	
HOSE REEL - UPRIGHT: SEWER BLUE	INCLUDED	1	
SPECIAL PAINT: SOLID COLORS	\$638.00		\$0.00
SPECIAL PAINT: METALLIC, BASE COAT / CLEAR COAT	CONTACT FACTORY		
MANUALS & TRAINING:			
ADDITIONAL USB OPERATOR'S MANUAL	\$54.00		\$0.00
PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL / 1 DAY) **INCLUDES HOTELS & MEALS**	\$540.00		\$0.00

ACCESSORY OPTIONS:			
VENTURI PUMP	\$756.00		\$0.00
HIGH EFFICIENCY DUMP GUN	\$838.00		\$0.00
UPSTREAM PULLEY GUIDE	\$304.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
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			\$0.00
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SIGNATURE		DATE	
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August 16, 2017

PO #

Product Class:

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Distributor: _____
 End User: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Contact: _____
 Email: _____



RAMVAC 2000 Trailer Mounted Vacuum Machine

Vacuum:

- Caterpillar 122 hp Diesel Engine
- Engine Shroud
- 2400 CFM Positive Displacement Blower
- Boom Assembly w/ Power Rotation
- 6" Hose System
- Hvy Duty Filtration System (cyclone & final filter w/cleanable element)
- Gauge Package
- Control System - NEMA 4 Control Panel and Pendant
- (1) 6" x 10' Flat Discharge Hose

Debris Tank:

- 1250 Gallon (6 Cubic Yards)
- Hydraulic Door Locks
- Hydraulic Dump System
- Fold Down Pipe Racks
- Hyd Powered Open/Close Rear Door

Trailer:

- Tandem Axles 18,000 GVWR
- Electric brakes, 2-5/16" Ball Hitch
- Steel toolbox (1) - tongue mounted
- 7000# Hydraulic Tongue Jack
- LED D.O.T. approved lighting

Accessories:

- (1) 6" x 16' Boom Hose
- (1) 6" Crown Nozzle
- (2) 6" x 6' Extension Tubes
- (1) 6" x 4' Extension Tube
- (1) 6" x 4' Air Induction Tube
- (1) Paper Owner's Manual

BASE UNIT AS OUTLINED ABOVE **\$119,328.00** 1 **\$119,328.00**

LIST PRICE OF SELECTED OPTIONS: \$0.00
 LESS PERCENTAGE DISCOUNT (enter % →) 0% \$ -

NET PRICE OF UNIT: \$119,328.00

ESTIMATED FREIGHT:

ESTIMATED TOTAL: \$ 119,328.00

FOR ALL NON STANDARD OPTIONS PLEASE CONTACT FACTORY FOR PRICING

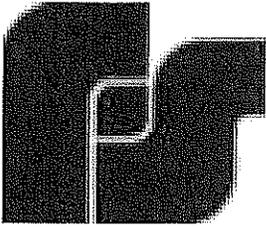
STANDARD OPTIONS:

VAC OPTIONS:	LIST PRICE	QTY	TOTAL
DEDUCT FOR 625 GALLON DEBRIS TANK *LIMITS WATER CAPACITY IF WATER SYSTEM IS ALSO ADDED*	(\$1,561.00)		\$0.00
HIGH PRESSURE WATER SYSTEM (INCLUDES HIGH PRESSURE WATER PUMP (5 GPM / 2000 PSI), 150 GALLON WATER TANK & HIGH PRESSURE HAND GUN	\$15,461.00		\$0.00
HYDRO-EXCAVATION DIGGING WANDS & ACCESSORIES	\$2,631.00		\$0.00
DIRECTIONAL BORING TOOL FOR POTHOLING	\$3,294.00		\$0.00
CENTRAL LUBRICATION SYSTEM	\$2,369.00		\$0.00
WIRELESS PENDANT CONTROL INCLUDES, ENGINE THROTTLE UP/DOWN, WATER PUMP ON/OFF, BOOM EXTEND/RETRACT, BOOM LEFT/RIGHT, BOOM RAISE/LOWER AND EMERGENCY KILL	\$4,199.00		\$0.00
DEBRIS BODY PUMP OFF SYSTEM AND ACCESSORIES	\$5,253.00		\$0.00
HIGH PERFORMANCE BLOWER SILENCER (LOWERS NOISE PRESSURE UP TO 4 db AT 15')	\$3,702.00		\$0.00
POWER EXTENSION FOR BOOM AND ACCESSORIES	\$4,463.00		\$0.00

LOW PRESSURE WASHDOWN SYSTEM:

LOW PRESSURE WATER WASHDOWN SYSTEM (10 gpm @ 60 psi) INCLUDES: (2) 75 GALLON TANKS, 25' HOSE, TRIGGER STYLE NOZZLE, DRAIN VALVES	\$5,070.00		\$0.00
UPGRADE LOW PRESSURE WATER WASHDOWN SYSTEM TO INCLUDE AIR PURGE SYSTEM (PLUMBED TO QUICK CONNECT FITTING, INCLUDES ADAPTERS)	\$596.00		\$0.00
UPGRADE LOW PRESSURE WATER WASHDOWN SYSTEM TO INCLUDE WATER RECIRCULATING SYSTEM	\$596.00		\$0.00

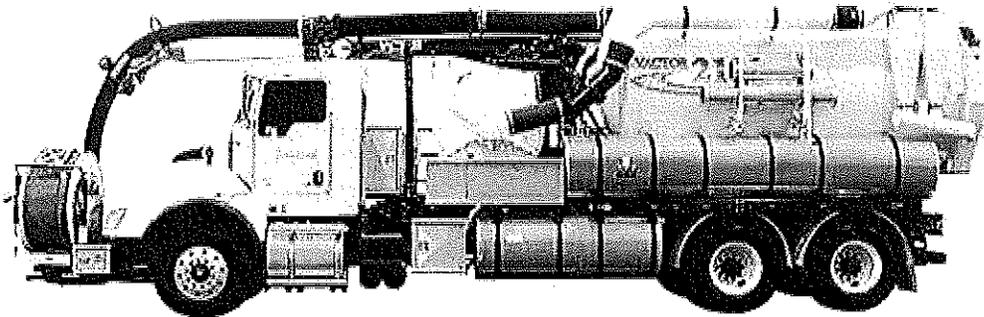
POWER TRAIN:			
HYDRAULIC TOOL CIRCUIT (RATED AT 9.5 GPM, SYSTEM ENGAGED VIA MANUAL DIVERTER VALVE AND SUPPLIED W/ PARKER 60 SERIES CONNECTORS)	\$731.00		\$0.00
LIGHTING OPTIONS:			
OPERATOR STATION LIGHT	\$282.00		\$0.00
BOOM MOUNTED WORK LIGHTS (2)	\$757.00		\$0.00
LED FLOOD LIGHT (FACTORY STANDARD)	\$419.00		\$0.00
LED ROTATING BEACON (FACTORY STANDARD)	\$505.00		\$0.00
LED STROBE LIGHT (FACTORY STANDARD)	\$488.00		\$0.00
LED ARROW BOARD (FACTORY STANDARD)	\$1,180.00		\$0.00
LED ARROW STICK (FACTORY STANDARD)	\$992.00		\$0.00
HANDHELD WIRELESS 12v/110v RECHARGABLE LED SPOTLIGHT WITH STORAGE BRACKET	\$312.00		\$0.00
TRAILER OPTIONS:			
UPGRADE TO ALUMINUM TOOLBOX (TONGUE MOUNTED)	\$331.00		\$0.00
SPARE TIRE AND RIM	\$508.00		\$0.00
CHIP GUARD COATING	\$745.00		\$0.00
SIX (6) 18" D.O.T. SAFETY CONES AND HOLDER	\$349.00		\$0.00
PAINT (TOOLBOX, SHROUD, DEBRIS TANK):			
STANDARD WHITE PAINT	INCLUDED		
ALL OTHER COLORS (EXCEPT METALLIC PAINT)	\$638.00		\$0.00
CONTACT FACTORY FOR LIST PRICE OF PAINTING OTHER COMPONENTS ON UNIT			
MANUALS & TRAINING:			
USB OPERATOR'S MANUAL	\$54.00		\$0.00
ADDITIONAL PAPER OPERATOR'S MANUAL	\$75.00		\$0.00
TRAINING - CUSTOMER LOCATION (1 DAY)	\$1,555.00		\$0.00
TRAINING - CUSTOMER LOCATION (ADDITIONAL DAY)	\$1,158.00		\$0.00
TRAINING - SEWER EQUIPMENT UNIVERSITY (DIXON, IL) (1 DAY) **INCLUDES HOTEL & MEALS**	\$551.00		\$0.00
SPECIAL ITEMS:			
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
SIGNATURE		DATE	
Please return a signed copy to bigequipment@SewerEquipment.com			



FEDERAL SIGNAL

Protecting people and our planet

2017 Sewer Cleaner List Price Reference Sheet



2100PLUS 2017 Price reference sheet

2100 Plus Priceshheet

Sales Code	Description	List Price
2105P-15	2100 Plus PD, 15" Vacuum, 5 yrd Debris, Combo	\$213,870
2110P-15	2100 Plus PD, 15" Vacuum, 10 yrd Debris, Combo	\$213,870
2112P-15	2100 Plus PD, 15" Vacuum, 12 yrd Debris, Combo	\$221,649
2115P-15	2100 Plus PD, 15" Vacuum, 15 yrd Debris, Combo	\$226,743
2105P-16	2100 Plus PD, 16" Vacuum, 5 yrd Debris, Combo	\$216,318
2110P-16	2100 Plus PD, 16" Vacuum, 10 yrd Debris, Combo	\$216,318
2112P-16	2100 Plus PD, 16" Vacuum, 12 yrd Debris, Combo	\$222,831
2115P-16	2100 Plus PD, 16" Vacuum, 15 yrd Debris, Combo	\$229,294
2112P-1024-16	2100 Plus 1024 PD, 16" Vacuum, 12 yrd Debris, Combo	\$242,370
2115P-1024-16	2100 Plus 1024 PD, 16" Vacuum, 15 yrd Debris, Combo	\$248,837
2105P-18	2100 Plus PD, 18" Vacuum, 5 yrd Debris, Combo	\$222,267
2110P-18	2100 Plus PD, 18" Vacuum, 10 yrd Debris, Combo	\$222,267
2112P-18	2100 Plus PD, 18" Vacuum, 12 yrd Debris, Combo	\$228,645
2115P-18	2100 Plus PD, 18" Vacuum, 15 yrd Debris, Combo	\$234,874
2112P-1024-18	2100 Plus 1024 PD, 18" Vacuum, 12 yrd Debris, Combo	\$248,188
2115P-1024-18	2100 Plus 1024 PD, 18" Vacuum, 15 yrd Debris, Combo	\$254,416
2105-SE1-PLUS	2100 Plus Single Engine Fan, Single Stage, 5 yrd Debris, Combo	\$206,497
2110-SE1-PLUS	2100 Plus Single Engine Fan, Single Stage, 10 yrd Debris, Combo	\$206,497
2112-SE1-PLUS	2100 Plus Single Engine Fan, Single Stage, 12 yrd Debris, Combo	\$212,682
2115-SE1-PLUS	2100 Plus Single Engine Fan, Single Stage, 15 yrd Debris, Combo	\$220,720
2105-SE2-PLUS	2100 Plus Single Engine Fan, Dual Stage, 5 yrd Debris, Combo	\$223,692
2110-SE2-PLUS	2100 Plus Single Engine Fan, Dual Stage, 10 yrd Debris, Combo	\$223,692
2112-SE2-PLUS	2100 Plus Single Engine Fan, Dual Stage, 12 yrd Debris, Combo	\$229,875
2115-SE2-PLUS	2100 Plus Single Engine Fan, DUAL Stage, 15 yrd Debris, Combo	\$237,912
2105P-15-CB	2100 Plus PD, 15" Vacuum, 5 yrd Debris, Catch Basin	\$173,489
2110P-15-CB	2100 Plus PD, 15" Vacuum, 10 yrd Debris, Catch Basin	\$173,489
2112P-15-CB	2100 Plus PD, 15" Vacuum, 12 yrd Debris, Catch Basin	\$181,255
2115P-15-CB	2100 Plus PD, 15" Vacuum, 15 yrd Debris, Catch Basin	\$186,364
2105P-16-CB	2100 Plus PD, 16" Vacuum, 5 yrd Debris, Catch Basin	\$175,936
2110P-16-CB	2100 Plus PD, 16" Vacuum, 10 yrd Debris, Catch Basin	\$175,936
2112P-16-CB	2100 Plus PD, 16" Vacuum, 12 yrd Debris, Catch Basin	\$182,449
2115P-16-CB	2100 Plus PD, 16" Vacuum, 15 yrd Debris, Catch Basin	\$188,913
2112P-1024-16-CB	2100 Plus 1024 PD, 16" Vacuum, 12 yrd Debris, Catch Basin	\$201,988
2115P-1024-16-CB	2100 Plus 1024 PD, 16" Vacuum, 15 yrd Debris, Catch Basin	\$208,454
2105P-18-CB	2100 Plus PD, 18" Vacuum, 5 yrd Debris, Catch Basin	\$181,886

2110P-18-CB	2100 Plus PD, 18" Vacuum, 10 yrd Debris, Catch Basin	\$181,886
2112P-18-CB	2100 Plus PD, 18" Vacuum, 12 yrd Debris, Catch Basin	\$188,262
2115P-18-CB	2100 Plus PD, 18" Vacuum, 15 yrd Debris, Catch Basin	\$194,492
2112P-1024-18-CB	2100 Plus 1024 PD, 18" Vacuum, 12 yrd Debris, Catch Basin	\$207,807
2115P-1024-18-CB	2100 Plus 1024 PD, 18" Vacuum, 15 yrd Debris, Catch Basin	\$214,035
2105-SE1-PLUS-CB	2100 Plus Single Engine Fan, Single Stage, 5 yrd Debris, Combo	\$166,116
2110-SE1-PLUS-CB	2100 Plus Single Engine Fan, Single Stage, 10 yrd Debris, Combo	\$166,116
2112-SE1-PLUS-CB	2100 Plus Single Engine Fan, Single Stage, 12 yrd Debris, Combo	\$172,300
2115-SE1-PLUS-CB	2100 Plus Single Engine Fan, Single Stage, 15 yrd Debris, Combo	\$180,339
2105-SE2-PLUS-CB	2100 Plus Single Engine Fan, Dual Stage, 5 yrd Debris, Catch Basin	\$183,311
2110-SE2-PLUS-CB	2100 Plus Single Engine Fan, Dual Stage, 10 yrd Debris, Catch Basin	\$183,311
2112-SE2-PLUS-CB	2100 Plus Single Engine Fan, Dual Stage, 12 yrd Debris, Catch Basin	\$189,494
2115-SE2-PLUS-CB	2100 Plus Single Engine Fan, Dual Stage, 15 yrd Debris, Catch Basin	\$197,531
2014PSTD	1000 Gallons STD (5 yrd)	\$0
2019PSTD	600 Gallons STD (Single Axle)	\$0
2019PASTD	900 Gallons STD (Tandem Axle)	\$0
2019PB	Additional Water, 1250 Gallons Total (Tandem Axle)	\$2,800
2016P	Additional Water, 1300 Gal Total (10 yrd)	\$2,511
2015PSTD	1300 Gal Water Total (15 yrd)	\$0
2018P	Additional Water, 1500 Gal Total (10 yrd)	\$3,761
2017P	Additional Water, 1500 Gal Total (15 yrd)	\$1,256
2025P	304 Stainless Steel Water Tanks Upgrade in lieu of Aluminum - Single Axle	\$7,500
2025PA	304 Stainless Steel Water Tanks Upgrade in lieu of Aluminum - Tandem Axle	\$9,375
3002PSTD	Vacuum, Single Engine Fan	\$0
3002PSTD	Vacuum, Single Engine - Dual Stage Fan	\$0
5000P	40 GPM/2500 PSI in lieu of 60 GPM/2000	\$0
5003P	50 GPM/3000 PSI in lieu of 60 GPM/2000	\$0
5001PA	60 GPM/2500 PSI in lieu of 60 GPM/2000	\$0
5003PA	70 GPM/3000 PSI in lieu of 60 GPM/2000	\$0
5002P	80 GPM/2000 PSI in lieu of 60 GPM/2000	\$0
5002PA	80 GPM/2500 PSI in lieu of 60 GPM/2000	\$0

5004P	100 GPM/2000 PSI in lieu of 60 GPM/2000 - Includes 1-1/4" X 500' Rodder Hose	\$3,746
5004PB	100 GPM/2000 PSI in lieu of 60 GPM/2000 - Does Not Include Rodder Hose	\$1,988
5005PSTD	10 GPM/700 PSI Water System	\$0
5005PA	10 GPM/2500 PSI Water System - HXX Kit 1	\$13,960
5005PB	20 GPM/2500 PSI Water System - HXX Kit 2	\$19,800
015STD	Customer Supplied Chassis Modification Charge	\$0
009PSTD	Under Engine Toolbox	\$0
010PSTD	48w x 22h x 24d Curbside Toolbox	\$0
010PSTD	40w x 22h x 24d Curbside Toolbox	\$0
011PSTD	Aluminum Fenders	\$0
012PSTD	Mud Flaps	\$0
014PSTD	Electric/Hydraulic Four Way Boom	\$0
016PSTD	Color Coded Sealed Electrical System	\$0
018PSTD	Remote Pendant Control With 35' Cord	\$0
019PSTD	Vansco Electronic Package	\$0
020PSTD	Double Acting Hoist Cylinder	\$0
2011PSTD	3" Y-Strainer at Passenger Side Fill, in lieu of 2", with 25' Fill Hose	\$0
2011PASTD	3" Y-Strainer at Driver Side Fill, in lieu of 2", with 25' Fill Hose	\$0
025PSTD	Handgun Assembly w/35' x 1/2" Hose w/Quick Disconnects	\$0
026PSTD	Ex-Ten Steel Cylindrical Debris Tank	\$0
030PSTD	Flexible Hose Guide	\$0
032PSTD	(3) Nozzles with Carbide Inserts w/Rack	\$0
045PSTD	Suction Tube Storage - 4 Pipe	\$0
046PSTD	1" Nozzle Pipe	\$0
046PSTD	1-1/4" Nozzle Pipe	\$0
048PSTD	10' Leader Hose	\$0
1001PSTD	Flat Rear Door w/Hydraulic Locks	\$0
1005PSTD	Dual Stainless Steel Float Shut Off System	\$0
1016PSTD	SS Microstrainer Prior to Blower	\$0
1024PSTD	Debris Body Vacuum Relief System	\$0
1031PSTD	Debris Deflector Plate	\$0
1032PSTD	48" Dump Height	\$0
1033PSTD	60" Dump Height	\$0
2022PSTD	Additional Water Tank Sight Gauge	\$0
2023PSTD	Liquid Float Level Indicator	\$0
4000PSTD	180 deg. Non-Extending Boom	\$0
4010PSTD	Boom Hose Storage,Post	\$0
5002PSTD	80 GPM/2500 PSI Variable Flow Water System	\$0
5011PSTD	3" Y-Strainer @ Water Pump w/3" Drain Valve	\$0
5012PSTD	Performance Package	\$0

5014PSTD	1" Water Relief Valve	\$0
5015PSTD	Midship Handgun Coupling	\$0
5022PSTD	Side Mounted Water Pump	\$0
6000PBSTD	400' x 1" Sewer Hose 2500 PSI, Piranha	\$0
6000PBSTD	400' x 1" Sewer Hose 2500 PSI, Piranha	\$0
6000PBSTD	400' x 1" Piranha Sewer Hose 3000 PSI	\$0
6005PSTD	Hose Footage Counter Front Side of Hose Reel - Mechanical	\$0
6005PASTD	Additional Hose Footage Counter, Rear of Hose Reel, Included w/Digital Counter	\$0
6007PSTD	Hose Reel Manual Hyd Extend/Retract	\$0
6009PSTD	Hose Reel Chain Cover	\$0
6017PSTD	Hydraulic Shutoff Valves	\$0
6020PSTD	Hydraulic Extending 15", Non-Rotating, Hose Reel, 1" x 800' Capacity	\$0
6020PBSTD	Hydraulic Extending 15", Rotating Hose Reel, 1" x 800' Capacity	\$0
7001PSTD	Tachometer/Chassis Engine w/Hourmeter	\$0
7003PSTD	Water Pump Hour Meter	\$0
7004PSTD	PTO Hour Meter	\$0
7006PSTD	Tachometer & Hourmeter for Centrifugal Compressor	\$0
7007PSTD	Tachometer & Hourmeter/Blower	\$0
8000PSTD	Circuit Breakers	\$0
8025PSTD	LED Lights, Clearance, Back-up, Stop, Tail & Turn	\$0
9002PSTD	Tow Hooks, Front	\$0
9002PSTD	Tow Hooks, Rear	\$0
9003PSTD	Electronic Back-Up Alarm	\$0
9021PSTD	Camera System, Rear Only	\$0
S390ASTD	8" Vacuum Pipe Package	\$0
S560STD	Emergency Flare Kit	\$0
S590STD	Fire Extinguisher 5 Lbs.	\$0
P110STD	Module Paint, DuPont Imron Elite - Wet on Wet	\$0
1003P	Debris Body Washout	\$1,387
1003PB	Rear Door Valve Flushout	\$393
1004P	Debris Body Load Limit Alarm functionally tied to Debris Body Vacuum Relief	\$1,910
1004PB	Onboard Electronic/Digital Scale system with Vacuum Relief	\$11,845
1005PA	S.S Float Ball Cage for Float Shut Off System	\$524
1007P	6" Rear Door Butterfly Valve, 3:00 position	\$760
1007PA	6" Rear Door Butterfly Valve w/Port & Fixed Basket Screen, 6:00 position	\$980
1008P	6" Rear Door Knife Valve w/Camloc, 3:00 position	\$1,140
1008PA	6" Rear Door Knife Valve w/Camloc w/Port & Fixed Basket Screen, 6:00 position	\$1,360

1008PB	6" Rear Door Drain Port w/Fixed Basket Screen, 6:00 position	\$540
1008PC	Standpipe and Screen for 6:00 Port	\$960
1008PE	6" Rear Door Knife Valve w/Camlock, Air Actuated, 3:00 Position	\$1,735
1008PF	6" Rear Door Knife Valve w/Camlock, Air Actuated w/Port & Fixed Basket Screen, 6:00 Position	\$1,955
1009P	Internally Mounted Trash Pump w/Screen	\$10,051
1009PA	Externally Mounted Trash Pump w/Floating Arm	\$10,799
1009PB	Internal Body Screen with Pump Off Ports Only	\$639
1009PD	Full Rear Door Swinging Screen	\$727
1010P	Pump Off Plumbing to Front, Outlet Location will be dependent on supplied chassis	\$2,746
1010PA	Pump Off Ports Only	\$534
1010PB	Pump Off Ports and Programming	\$2,229
1010PC	Pump Off Plumbing to Back of Cab	\$2,746
1011P	Gravity Drain Plumbed to Front, Outlet Location will be dependent on supplied chassis	\$2,784
1011PC	Gravity Drain Plumbed to Back of Cab	\$2,784
1012P	6" Decant System w/Knife Valve, Curbside	\$2,140
1012PA	6" Decant System w/Knife Valve, Streetside	\$2,140
1013P	Additional Water, Water and Debris Tanks Joined	\$2,229
1013PA	Additional Water, Water and Debris Tanks Joined, Included with Tanks Joined	\$0
1014P	Centrifugal Separators (Cyclones)	\$4,851
1014PA	Centrifugal Separators (Cyclones), 304 Stainless Steel	\$6,257
1015P	Folding Pipe Rack, Curbside	\$962
1015PH	Folding Pipe Rack, Curbside, Hydraulic	\$1,815
1015PA	Folding Pipe Rack, Streetside	\$962
1015PAH	Folding Pipe Rack, Streetside, Hydraulic	\$1,815
1015PB	Folding Pipe Rack, Rear Door	\$962
1015PBH	Folding Pipe Rack, Rear Door, Hydraulic	\$1,815
1022P	Rear Door Splash Shield	\$1,413
1023P	Lube Manifold	\$2,097
1023PA	Plastic Lube Chart	\$57
1030P	Debris Body Inspection Port w/Ladder	\$1,156
1041P	Body-Up Alarm	\$838
2002P	Low Water Light and Alarm	\$597
2001P	Low Water Light w/Alarm and Water Pump Flow Indicator	\$597
2003P	Laval Water Separator at Fill	\$1,643
2004P	Continuous Water Tank Fill	\$1,643
2006P	Air Purge	\$1,199
2007P	650 Gallon Street Flusher, 4 Heads	\$19,987
2008P	300 Gallon Street Flusher, 2 Heads	\$13,745

2020P	6" Gravity Fill Port on Water Tank	\$837
2021P	Additional Water Tank Fill	\$686
3013PB	Vacuum, Vac on the Go for the Single Engine Fan	\$30,480
3015P	Hot Shift Blower Drive (Manual Transmission)	\$4,760
3015PA	Hot Shift Blower Drive (Automatic Transmission)	\$2,910
3017P	Blower High Temp Safety Shutdown	\$490
3019P	Digital Water Pressure Gauge	\$590
4001P	180 deg. 4ft Extendable Boom	\$8,198
4003P	180 deg. 8ft Extendable Boom	\$8,952
4014P	180 deg. 5 x 5 Extendable/Telescoping Boom	\$16,496
4015P	180 deg. 10ft Telescoping Boom	\$14,180
4006P	Front Joystick Boom Control	\$732
4008P	Grate Lifting Hook, Installed on Boom	\$288
4009P	Water Ring Assembly, At Hose End	\$758
4009PA	Water Ring Assembly, At Debris Body Inlet	\$758
4011PA	Wireless Controls, excluding hose reel controls	\$2,233
4011PB	Bellypack Wireless Controls, including hose reel controls	\$2,857
4011PA	Handheld Wireless Controls	\$2,250
4011PB	Bellypack Wireless Controls	\$2,857
4013P	Rotatable Boom Inlet Hose, Extendable Boom	\$534
4013P	Rotatable Boom Inlet Hose, Telescoping Boom	\$534
4013PA	Rotatable Boom Inlet Hose, 5 x 5 Boom	\$826
4022PSTD	Telescopic Boom Elbow, Standard	\$0
4022PA	Telescopic Boom Elbow, Hard Hat Style	\$430
4022PB	Telescopic Boom Elbow, Ceramic Lined	\$1,000
4022PC	Telescopic Boom Elbow, Chrome Lined	\$900
4022PD	Telescopic Boom Elbow, Nickel Plated	\$370
5008PA	Cold Weather Recirculator, Aux Engine Driven, 12 GPM	\$2,814
5008PB	Cold Weather Recirculator, PTO Driven, 25 GPM	\$1,590
5008PC	Cold Weather Recirculator, Transercase Driven, 12 GPM	\$7,468
5009PA	Cold Weather Recirculator, Front Crank Driven, 12 GPM	\$4,097
5009PD	Cold Weather Recirculator, Front Crank Driven, 25 GPM	\$5,203
5008PE	Cold Weather Recirculator, PTO Driven, 9 GPM	\$1,590
5009PE	Cold Weather Recirculator, Front Crank Driven, 9 GPM	\$4,097
5010PSTD	Rodder System Accumulator- Jack Hammer on/off control w/ manual valve	\$0
5010PA	Rodder System Accumulator - Jack Hammer on/off Control at Front Hose Reel	\$747
5015P	Handgun Couplers, Front and Rear	\$487
5019P	Chassis Engine Cooling Package	\$3,347
5021P	Hydro Excavation Kit/Retract Reel w/50' Hose and Nozzle	\$4470
5023P	Fan Flushout System	\$471

5024PA	Water Heater, 400,000 BTU's (May limit Water Capacity)	\$12,450
5024PC	Water Heater, 800,000 BTU's - 12V (May limit Water Capacity)	\$15,450
5025P	Cold Weather Package	\$2,640
5027P	Vaporooter - Dealer Install Kit	\$9,125
5030P	Water Recycler	\$112,500
6000P	400' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	\$110
6000PA	400' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	\$3,765
6001PG	400' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	\$549
6001PH	400' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	\$728
6001P	500' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	\$519
6001PA	500' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	\$5,088
6001PB	500' x 1" Piranha Sewer Hose 2500 PSI in lieu of STD	\$453
6001PC	500' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	\$1,067
6001PD	500' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	\$1,291
6002P	600' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	\$928
6002PA	600' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	\$6,411
6002PB	600' x 1" Piranha Sewer Hose 2500 PSI in lieu of STD	\$848
6002PE	600' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	\$1,586
6002PF	600' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	\$1,855
6002PH	700' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	\$1,337
6003PF	700' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	\$7,734
6002PG	700' x 1" Piranha Sewer Hose 2500 PSI in lieu of STD	\$1,244
6002PC	700' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	\$2,105
6002PD	700' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	\$2,419
6003P	800' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	\$1,746
6003PA	800' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	\$9,057
6003PC	800' x 1" Piranha Sewer Hose 2500 PSI in lieu of STD	\$1,640
6003PD	800' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	\$2,624
6003PE	800' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	\$2,982
6000P3	400' x 1" Aeroquip Sewer Hose 3000 PSI in lieu of STD	\$946
6001PG3	400' x 1" Piranha Armor Belt Sewer Hose 3000 PSI in lieu of STD	\$1,004
6001PH3	400' x 1" Piranha Armor Belt Beacon Sewer Hose 3000 PSI in lieu of STD	\$1,264
6001P3	500' x 1" Aeroquip Sewer Hose 3000 PSI in lieu of STD	\$1,564
6001PB3	500' x 1" Piranha Sewer Hose 3000 PSI in lieu of STD	\$709
6001PC3	500' x 1" Piranha Armor Belt Sewer Hose 3000 PSI in lieu of STD	\$1,637
6001PD3	500' x 1" Piranha Armor Belt Beacon Sewer Hose 3000 PSI in lieu of STD	\$1,962

6002P3	600' x 1" Aeroquip Sewer Hose 3000 PSI in lieu of STD	\$2,182
6002PB3	600' x 1" Piranha Sewer Hose 3000 PSI in lieu of STD	\$1,156
6002PE3	600' x 1" Piranha Armor Belt Sewer Hose 3000 PSI in lieu of STD	\$2,270
6002PF3	600' x 1" Piranha Armor Belt Beacon Sewer Hose 3000 PSI in lieu of STD	\$2,660
6002PH3	700' x 1" Aeroquip Sewer Hose 3000 PSI in lieu of STD	\$2,801
6002PG3	700' x 1" Piranha Sewer Hose 3000 PSI in lieu of STD	\$1,604
6002PC3	700' x 1" Piranha Armor Belt Sewer Hose 3000 PSI in lieu of STD	\$2,902
6002PD3	700' x 1" Piranha Armor Belt Beacon Sewer Hose 3000 PSI in lieu of STD	\$3,358
6003P3	800' x 1" Aeroquip Sewer Hose 3000 PSI in lieu of STD	\$3,419
6003PC3	800' x 1" Piranha Sewer Hose 3000 PSI in lieu of STD	\$2,051
6003PD3	800' x 1" Piranha Armor Belt Sewer Hose 3000 PSI in lieu of STD	\$3,535
6003PE3	800' x 1" Piranha Armor Belt Beacon Sewer Hose 3000 PSI in lieu of STD	\$4,056
6004PA	Hose Wind Guide (Dual Roller), Auto, Non-Indexing with Pinch Roller	\$4,411
6004PB	Hose Wind Guide (Dual Roller), Auto, Indexing	\$4,813
6004PD	Rodder Hose Pinch Roller	\$1,314
6005PA	Additional Hose Footage Counter, Rear of Hose Reel	\$460
6005PD	Digital Hose Footage Counter	\$1,590
6006P	Rodder Hose Guard - Lexan	\$1,067
6006PA	Rodder Hose Guard - Expanded Metal	\$1,449
6008P	Hose Reel Manual Rewind	\$487
6011P	Handgun Hose Reel w/Spring Retract	\$1,194
6012P	Lateral Cleaning Kit w/150' Hose and Nozzle, 25 GPM/2000 PSI	\$2,878
6013P	Hydraulic Tool Package	\$1,365
6019P	Rodder Pump Drain Valves	\$460
6020PA	Hydraulic Extending 15", Non-Rotating, Hose Reel, 1" x 1000' Capacity	\$3,176
6020PC	Hydraulic Extending 15", Rotating Hose Reel, 1" x 1000' Capacity	\$2,210
6026P	Washington State DOT Legal Front Hose Reel	\$0
6027PA	25' Leader Hose in lieu of STD	\$534
7005P	Hydraulic Oil Temp Alarm	\$345
7005PA	Intelliview in Cab Mount	\$558
8001P	Rear Directional Control, Split Arrow Traffic Controller, 10 Lights	\$1,298
8001PA	Rear Directional Control, Signal Master Arrow Board, 10 Lights	\$1,298
8001PB	Rear Directional Control, Signal Master LED Arrow Stick, 8 Lights	\$1,905
8001PC	Front Directional Control, Signal Master LED Arrow Stick, 8 Lights	\$1,905
8001PE	Rear Directional Control, Split LED Arrow Traffic Controller, 10 Lights	\$1,485
8001PK	Whelen Traffic Advisor, LED, One-piece, 5' long	\$4,431.00
8002P	Hand Light w/Bumper Plug	\$345

8003P	Hand Light w/Retractable Reel	\$518
8002PA	Waterproof, Rechargeable, Wireless, Handheld, LED Spot Light w/12V Charger and Plug	\$330
8004PC	Revolving LED Beacon, Rear Federal Signal SLR Series, Amber	\$938
8004PB	Revolving LED Beacon, Front Federal Signal SLR Series, Amber	\$938
8007P	Strobe Light, Rear, Federal Signal US-5 Series, Amber	\$906
8007PC	Strobe Light, LED, Rear, Federal Signal, Amber	\$1,010
8008P	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Rear	\$403
8004PA	Revolving Light, Cab Guard, Federal Signal 100 Series, Amber	\$649
8007PA	Strobe Light, Cab Guard, Federal Signal US-5 Series, Amber	\$906
8007PB	Strobe Light, LED, Cab Guard, Federal Signal, Amber	\$1,010
8008PA	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Cab Guard	\$403
8012P	Additional Handlight Connector, Rear	\$131
8013P	Rear Beacon Limb Guard	\$184
8013P	Front Beacon Limb Guard	\$184
8020PF	DOT 3 Lighting Package, 4 Federal Signal Strobe Lights	\$2,125
8020PE	DOT 3 Lighting Package, 6 Federal Signal Strobe Lights	\$2,679
8020PG	DOT 3 Lighting Package, 5 Federal Signal Strobe Lights, LED	\$2,459
8020P	DOT 3 Lighting Package, 4 Whelen Strobe Lights	\$4,824
8020PA	DOT 3 Lighting Package, 6 Whelen Strobe Lights	\$5,055
8020PC	Four Flashing Light Assembly, Two Piece, (4) 7" Amber Lights	\$576
8022P	Rear Bumper Strobes, Two 5" Fed Sig Amber LED Strobes	\$1,172
8027P	LED Mid-Ship Turn Signals	\$503
8028P	Worklights (2), LED, Fixed Boom	\$722
8028P	Worklights (2), LED, Extendable Boom	\$722
8028P	Worklights (2), LED, Extendable Boom	\$722
8028P	Worklights (2), LED, Telescoping Boom	\$722
8028P	Worklights (2), LED, 5 x 5 Boom	\$722
8029P	Worklights (2), LED, Rear Door	\$573
8029PA	Worklight, LED, Operators Station	\$607
8029PB	Worklight, LED, Hose Reel Manhole	\$607
8029PC	Worklight, LED, Curb Side	\$455
8029PD	Worklight, LED, Street Side	\$455
8029PE	Worklight, LED, Aux Engine	\$455
8030P	Hose Reel Wrapped for Delivery	\$0
9001P	Ziebart Corrosion Protection	\$1,428
9001PA	Road Salt Protection	\$350
9005P	High Altitude Nozzle	\$0
9011P	Pintle Hitch Assembly, 20,000 LBS	\$1,125
9011P	Pintle Hitch Assembly, 30,000 LBS	\$1,125

9021PA	Camera System, Front and Rear	\$582
9021PB	Camera System, Front, Rear and Both Sides	\$1,120
9023P	Safety Cone Storage Rack - Drop in Style	\$150
9023PA	Safety Cone Storage Rack - Post Style	\$150
9023PB	Additional Safety Cone Storage Rack - Drop in Style	\$150
9023PC	Additional Safety Cone Storage Rack - Post Style	\$150
9024P	Water Cooler Storage Rack	\$150
9027P	Regen Warning System	\$390
9070PA	Toolbox, Front Bumper Mounted, 16 x 12 x 18 w/(2) LED Side Markers	\$1,826
9070PB	Long Handle Tool Storage	\$324
9071P	Tooltray, Behind Cab	\$680
9071PF	Toolbox, Behind Cab - 14w x 36h x 96d	\$2,966
9071PA	Partial Toolbox, Behind Cab - 17w x 30h x 48d	\$2,313
9071PE	Toolbox, Behind Cab - 16w 30h x 96d	\$2,914
9072PA	Toolbox, Driver Side Chassis Frame, 60w x 24h x 24d	\$2,422
9072PC	Toolbox, Driver Side Chassis Frame, 72w x 18h x 24d	\$2,908
9072PB	Toolbox, Driver Side Chassis Frame, 24w x 24h x 24d	\$1,475
9073PA	Toolbox, Passenger Side Chassis Frame, 30w x 18h x 24d	\$1,607
9073PB	Toolbox, Passenger Side Chassis Frame, 30w x 25h x 24d	\$1,607
9074PB	Toolbox, Driver Side Subframe, 16w x 20h x 24d	\$1,230
9074PA	Toolbox, Driver Side Subframe, 18w x 24h x 24d	\$1,230
9074PC	Toolbox, Driver Side Subframe, 18w x 15h x 10d	\$1,230
9075PC	Toolbox, Driver Side Subframe, 36w x 20h x 12d	\$1,230
9075PB	Toolbox, Driver Side Subframe, 48w x 20h x 12d	\$1,209
9075PA	Toolbox, Driver Side Subframe, 60w x 20h x 12d	\$1,360

2103 2017 Price Reference Sheet

2103 Price List		
Sales Codes	Description	Unit Price
2103-16	2103 PD, 15" Vacuum, 3 yrd Debris, 500 Gal Water, Combo	\$158,463.00
2103-GB	2103 PD, 15" Vacuum, 3 yrd Debris, 500 Gal Water, Catch Basin	\$141,873.00
M000STD	Roots Blower 616 RCS	\$0.00
M001STD	3 Cubic Yard Debris Tank Capacity	\$0.00
M002STD	Mud Flaps	\$0.00
M003STD	Color Coded Sealed Electrical System	\$0.00
M3008STD	Air shift controls for Transfer Case	\$0.00
M004STD	Remote Pendant Control With 35' Cord	\$0.00
M005STD	Double Acting Dump Hoist Cylinder	\$0.00
M007STD	Ex-Ten Steel Cylindrical Debris Tank	\$0.00
M009STD	Water Level Sight Gauge	\$0.00
M010STD	Manual Over Center Rear Door Locks	\$0.00
M011STD	Multi-Flow Water System	\$0.00
M012STD	Jet Rodder Water System Accumulator	\$0.00
M013STD	120 deg. 4ft Extendable Boom	\$0.00
M014STD	Vacuum Relief (Kunkel Valves)	\$0.00
M015STD	3" Y-Strainer at Water Pump Inlet	\$0.00
M016STD	40 GPM/2500 PSI Variable Flow Water System	\$0.00
M016ASTD	10 GPM/400 PSI Water System	\$0.00
M017STD	500 Gallon Water Tank Capacity	\$0.00
M018STD	Toolbox, Passenger Side Chassis Frame, 36w x 18h x 18d, STD	\$0.00
M019STD	Stainless Steel Float Ball Shut-Off	\$0.00
M020STD	Rotating Hose Reel, 3/4" x 500' Capacity, 120 Deg. Rotation	\$0.00
M021STD	500' x 3/4" Sewer Hose 3000 PSI, Piranha	\$0.00
M022STD	Hose Reel Hydraulic Tilt Function	\$0.00
M023STD	Electronic Back-Up Alarm	\$0.00
M024STD	Hose Footage Counter Front Side of Hose Reel - Mechanical	\$0.00
M2603STD	2" Y-Strainer with 25' Fill Hose	\$0.00
M4601STD	Dual Roller Hose Level Wind Guide	\$0.00
M6017STD	Hydraulic Tank Shutoff Valves	\$0.00
M9021STD	Camera System, Rear Only	\$0.00
S390BSTD	Vacuum Pipe Package - 6"	\$0.00
MS560STD	Emergency Flare Kit	\$0.00
MS590STD	Fire Extinguisher 5 Lbs.	\$0.00
MP110STD	Paint, Module, DuPont (Wet on Wet)	\$0.00
M021A	500' x 3/4" Sewer Hose 3000 PSI, Aeroquip	\$194.00

M1011	Gravity Drain Off Plumbed to Front	\$1,459.00
M1012	4" Decant System w/Air Operated Knife Valve, Curbside	\$2,404.00
M1012A	4" Decant System w/Air Operated Knife Valve, Streetside	\$2,404.00
M1015	Folding Pipe Rack, Curbside	\$973.00
M1015A	Folding Pipe Rack, Streetside	\$973.00
M1023A	Plastic Lube Chart	\$57.00
M1601STD	Debris Body Flushout	\$0.00
M1602	Debris Body Load Limit Alarm functionally tied to Debris Body Vacuum Relief	\$1,929.00
M1603STD	4" Rear Door Butterfly Valve, 3:00 position	\$0.00
M1604A	Pump Off Plumbed to Front	\$2,216.00
M1604BSTD	Pump Off Ports Only	\$0.00
M1605STD	Rear Door Splash Shield	\$0.00
M1606STD	Hydraulic Rear Door Locks	\$0.00
M1607	Additional Water, Water and Debris Tanks Joined	\$2,251.00
M2601STD	Low Water Light w/Alarm	\$0.00
M2602	Low Water Light	\$317.00
M2603A	3" Y-Strainer at Fill in lieu of 2"	\$407.00
M2604	Air Purge	\$1,210.00
M3015	Hot Shift Blower Drive	\$5,074.00
M3602	Cold Weather Recirculator, Front Crank Driven, 12 GPM	\$4,139.00
M3605	Lube Manifold	\$2,120.00
M3607STD	Handgun Hose Reel w/Spring Retract	\$0.00
M4011	Wireless Remote, Handheld	\$4,268.00
M4602	Additional Hose Footage Counter, Rear of Hose Reel	\$465.00
M4604STD	Front Joystick Boom Control	\$0.00
M5008B	Cold Weather Recirculator, PTO Driven, 20 GPM	\$4,186.00
M5008B	Cold Weather Recirculator, Front Crank Driven, 20 GPM	\$4,803.00
M5008C	Cold Weather Recirculator, PTO Driven, 12 GPM	\$3,520.00
M5014	1" Water Relief Valve	\$1,194.00
M5015	Handgun Couplers, Front and Rear	\$487.00
M5021	Hydro Excavation Kit/Retract Reel w/50' Hose and Nozzle	\$4,192.00
M5601	Rear Directional Control, Signal Master Arrow Board, 10 Lights	\$1,311.00
M5602	Hand Light w/Bumper Plug	\$349.00
M5603B	Revolving LED Beacon, Front Federal Signal SLR Series, Amber	\$938.00
M5603C	Revolving LED Beacon, Rear Federal Signal SLR Series, Amber	\$938.00
M5605	Strobe Light, Pedestal, Federal Signal US-5 Series, Amber	\$915.00
M5605A	Strobe Light, Rear, Federal Signal US-5 Series, Amber	\$915.00
M5607	Worklight, Operators Station	\$581.00
M5608	Worklights (2), Extendable Boom	\$666.00
M5609	Rear Beacon Limb Guard	\$186.00
M5609A	Front Beacon Limb Guard	\$186.00

M5610	Worklights (2), Rear Door	\$550.00
M6012	Lateral Cleaning Kit w/150' Hose and Nozzle	\$2,878.00
M6018	Nozzle Storage Rack	\$158.00
M6019	Rodder Pump Drain Valves	\$460.00
M6601	Ziebart Corrosion Protection	\$1,428.00
M6602STD	Tow Hooks, Front	\$0.00
M6602AST D	Tow Hooks, Rear	\$0.00
M6604	Rear Axle Load Limit Alarm	\$465.00
M7602A	Toolbox, Driver Side Chassis Frame, 36w x 18h x 18d	\$915.00
M7603A	Toolbox, Driver Side Chassis Frame, 72w x 18h x 18d	\$1,295.00
M7604A	Toolbox, Driver Side Chassis Frame, 48w x 18h x 18d	\$1,073.00
M7604A	Toolbox, Passenger Side Chassis Frame, 48w x 18h x 18d, in lieu of STD	\$906.00
M8001B	Rear Directional Control, Signal Master LED Arrow Stick, 8 Lights	\$1,924.00
M8001C	Rear Directional Control, Signal Master LED Arrow Stick, 8 Lights	\$1,924.00
M8001K	Whelen Traffic Advisor, LED, One-piece, 5' long	\$4,431.00
M8008	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Rear	\$403.00
M8008A	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Pedestal	\$403.00
M8012	Additional Handlight Connector, Rear	\$133.00
M8020E	DOT 3 Lighting Package, 6 Federal Signal Strobe Lights	\$2,706.00
M8025	LED Lights, Clearance, Stop, Tail & Turn	\$618.00
M8025A	LED Lights, Clearance, Stop, Tail, Turn, Backup	\$750.00
M8030	Hose Reel Wrapped for Delivery	\$0.00
M9001A	Road Salt Protection	\$335.00
M9012A	Toolbox, Driver Side Chassis Frame, 24w x 18h x 18d	\$786.00
M9021A	Camera System, Front and Rear	\$582.00
M9021B	Camera System, Front, Rear and Both Sides	\$1,120.00
M9023	Safety Cone Storage Rack	\$151.00
M9023A	Safety Cone Storage Rack - Post Style	\$150.00
M9023B	Additional Safety Cone Storage Rack	\$151.00
M9023C	Additional Safety Cone Storage Rack - Post Style	\$150.00
M9024	Water Cooler Storage Rack	\$151.00
M9027	Regen Warning System	\$390.00

JETTER 2017 Price Reference Sheet

850 RamJet

Sales Codes	Description	List Price
JF1500	850-Series Front Reel RamJet 1500 Gallons	132053
JR1500	850-Series Rear Reel RamJet 1500 Gallons	120053
J5000	40 GPM @ 2500 PSI (Certified) in lieu of standard 80 GPM/2500	0
J5001A	60 GPM @ 2500 PSI (Certified) in lieu of standard 80 GPM/2500	0
J5002ASTD	80 GPM @ 2500 PSI (Certified)	0
J5003	50 GPM @ 3000 PSI (Certified) in lieu of 80 GPM/2500	0
J5003A	70 GPM @ 3000 PSI (Certified) in lieu of 80 GPM/ 2500	0
J5004	100 GPM @ 2000 PSI -Includes 1-1/4" x 500' Rodder Hose in lieu of 80 GPM @ 2500	3746
J5004PB	100 GPM @ 2000 PSI -Does Not Include Rodder Hose in lieu of 80 GPM @ 2500	1988
005STDJ	2-1/2" x 25' Fill Hose w/ Connections Street Side and Curb Side	0
015STDJ	304 Stainless Steel Tank w/Baffle w/10 Yr Warranty	0
019STDJ	Vansco Electronic Package w/ onboard Diagnostics, Intelliview Display	0
025STDJ	1" X 700' Capacity Rotating Hose Reel	0
025STDJ	1" X 700' Capacity Rotating Hose Reel	0
025STDJ	1" X 700' Capacity Rotating Hose Reel	0
032STDJ	(3) Nozzles with Carbide Inserts w/Rack	0
035STDJ	1" x 10' Leader Hose w/ 1" Nozzle Pipe	0
035STDJ	1" x 10' Leader Hose w/ 1- 1/4" Nozzle Pipe	0
040STDJ	Hose Reel Manual Rewind Guide	0
060STDJ	Hydrant Wrench	0
065STDJ	Handgun Assembly w/ 1/2" x 35' Hose w/ Quick Disconnect at Midship	0
075STDJ	Water Pressure Gauge at Hose Reel	0
090STDJ	Un-Shrouded	0
115STDJ	Color Coded Sealed Electrical System (Nema 4)	0
120STDJ	Aluminum Rear Fenders w/ Mud Flaps and Anti-Sail Brackets	0
150STDJ	Hydraulic Oil Sight Gauge	0
151STDJ	Electric Back-Up Alarm	0
181STDJ	10'-6" Low Profile (Based on Vactor Stock Chassis Spec)	0
183STDJ	High Efficiency MultiFlow Water System w/ HI-Low Switch	0
184STDJ	Hydraulic Manifold Hose Reel Controls	0
2013STDJ	Tiger Tail Hose Protector w/ Tie Off Rope	0
5022STDJ	Side Mounted Jet Rodder Pump W/ Two Yr. Warranty	0
6005STDJ	Hose Footage Counter - Mechanical	0
6007STDJ	Hose Reel Manual 15" Hydraulic Extend/Retract	0

J6017STD	Hydraulic Tank Suction Shutoff Valves	0
6000BSTDJ	400' x 1" Sewer Hose 2500 PSI, Piranha	0
7001STDJ	Engine Monitoring Parameters:	0
7001STDJA	*Hour Meter, Coolant Temperature, Oil Temperature & Pressure, Fuel Rate, RPM	0
7001STDJB	*Water Pump Hour Meter	0
7001STDJC	*PTO Hour Meters	0
8000STDJ	Circuit Breakers	0
J2011STD	3" Y-Strainer Filter in Water Tank Fill w/ Cleanable Filter Accessable at Ground Level	0
J2077STD	3" Y-Strainer Filter in Jet Rodder Pump Suction w/ Cleanable Filter Accessable at Ground Level	0
J9021STD	Camera System, Rear Only (Back-Up)	0
J090	Rodder Pump Cabinet / Enclosure	9500
J090B	Rear Shroud Package- Cylinder Shroud w/ Hood, Rodder Pump Cabinet, Transition Tool Cabinet (Includes Rodder Pump Drain Valves)	26000
J091	Rear Hose Reel Shroud Lights	500
J092	Rodder Pump Cabinet Lights	300
J2001STD	Low Water Indicator w/Alarm	0
J2001GB	Water Pump Flow Meter	597
J2003	Laval Water Separator at Fill in lieu of 3" Y Strainer	1475
J2004	Continuous Water Tank Fill	1643
J2006	Air Purge	1199
J2007	650 Gallon Street Flusher, 4 Heads	19987
J2008	300 Gallon Street Flusher, 2 Heads	13745
J2403A	Heater Package -Rodder Pump Cabinet	800
J2403B	Heater Package- Hose Reel and Rodder Pump Cabinet	2000
J3019	Digital Water Pressure Gauge	590
J3019	Digital Water Pressure Gauge Included w/ Vactor Trak	0
J4011A	Wireless Remote w/Hose Reel Controls - Hand-held	2200
J4011B	Wireless Remote w/Hose Reel Controls - Belly-Pack	3100
J5008B	Cold Weather Recirculator, PTO Driven, 25 GPM	1590
J5010STD	Jet Rodder Water System Accumulator	0
J5014STD	1" High Pressure Water Relief Valve	0
J5015	Handgun Couplers, Front and Rear	487
J6000	400' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	110
J6000A	400' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	3765
J6001G	400' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	549
J6001H	400' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	728
J6001	500' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	519
J6001A	500' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	5088
J6001B	500' x 1" Piranha Sewer Hose 2500 PSI in lieu of STD	453

J6001C	500' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	1067
J6001D	500' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	1291
J6002	600' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	928
J6002A	600' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	6411
J6002B	600' x 1" Piranha Sewer Hose 2500 PSI in lieu of STD	848
J6002E	600' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	1586
J6002F	600' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	1855
J6002H	700' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	1337
J6003F	700' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	7734
J6002G	700' x 1" Piranha Sewer Hose 2500 PSI in lieu of STD	1244
J6002C	700' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	2105
J6002D	700' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	2419
J6003	800' x 1" Aeroquip Sewer Hose 2500 PSI in lieu of STD	1746
J6003A	800' x 1" Shark Sewer Hose 3000 PSI in lieu of STD	9057
J6003C	800' x 1" Piranha Sewer Hose 2500 PSI in lieu of STD	1640
J6003D	800' x 1" Piranha Armor Belt Sewer Hose 2500 PSI in lieu of STD	2624
J6003E	800' x 1" Piranha Armor Belt Beacon Sewer Hose 2500 PSI in lieu of STD	2982
J6004A	Hose Wind Guide (Dual Roller), Auto, Non-Indexing w/ Pinch Roller	4411
J6004B	Hose Wind Guide (Dual Roller), Auto, Indexing w/ Pinch Roller	4813
J6004D	Rodder Hose Pinch Roller	1314
J6005A	Additional Hose Footage Counter, Rear of Hose Reel	461
J6005D	Digital Hose Footage Counter	1590
J6006	Rodder Hose Guard - Lexan	1067
J6008	Hose Reel Manual Rewind	487
J6011	Handgun Hose Reel w/Spring Retract	1194
J6012	Lateral Cleaning Kit w/150' Hose and Nozzle	2878
J6014STD	Hydraulic Extending 15", Rotating Hose Reel, 1" x 800' Capacity	0
J6014	Hydraulic Extending 15", Rotating Hose Reel, 1" x 1000' Capacity	2100
J6015B	Rotating Hose Reel, 1" x 1000' Capacity	2100
J7005STD	Hydraulic Oil Temp Alarm w/Indicator and Shutdown	0
J8001	Rear Directional Control, Split Arrow Traffic Controller, 10 Lights, LED	1485
J8001G	Rear Directional Control, Signal Master LED Arrow Stick, 8 Lights /32" LG	900
J8001H	Front Directional Control, Signal Master LED Arrow Stick, 8 Lights / 32" LG	900
H8002A	Handheld Wireless12V/110V Rechargeable LED Spotlight w/Storage Basket	330
J8004B	Revolving LED Beacon, Front Water Tank Mount Federal Signal SLR Series, Amber	938
J8004C	Revolving LED Beacon, Rear Federal Signal SLR Series, Amber	938
J8007B	Strobe Light, LED, Front Water Tank Mount, Federal Signal, Amber	1010
J8007C	Strobe Light, LED, Rear, Federal Signal, Amber	1010
J8008	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Rear	403

J8008A	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Front	403
J8009	Worklight, Operators Station, LED	576
J8009A	Worklight, Hose Reel Manhole, LED	576
J8013	Rear Beacon Limb Guard	184
J8013	Front Beacon Limb Guard	184
J8016	Worklights (2), Rear, LED	700
J8020F	DOT 3 Lighting Package, 4 Federal Signal Strobe Lights	2125
J8020G	DOT 3 Lighting Package, 5 Federal Signal Strobe Lights, LED	2459
J8025ASTD	LED Lights, Clearance, Stop, Tail, Turn, Backup	0
J8030	Hose Reel Wrapped for Delivery	0
J9001	Ziebart Corrosion Protection	1200
J9001A	Road Salt Protection	335
J9002STD	Tow Hooks, Front	0
J9002ASTD	Tow Hooks, Rear	0
J9011	Pintle Hitch Assembly, 20,000 LBS	1300
J9018A	Over Fender Tool Tray- Driver Side	1200
J9070A	Aluminum Tool Box, Front Bumper Mounted, 16x12x18 w/2 LED Side Markers	1500
J9070B	Aluminum Tool Box, Front Bumper Mounted, 16x12x18 w/2 LED Side Markers	2000
J9021A	Camera System, Front and Rear	582
J9021B	Camera System, Front, Rear and Both Sides	1120
J9021C	Camera System, Manhole Cameras (3)	1120
J9023	Safety Cone Storage Rack	150
J9023B	Additional Safety Cone Storage Rack	150
J9024	Water Cooler Storage Rack	150
S560STD	Road Side Hazard Kit	0
S590STD	Fire Extinguisher 5 Lbs.	0
Chassis MODS	Customer Supplied Chassis Modification Charge, Vector Spec	1000

Trailer Jetter

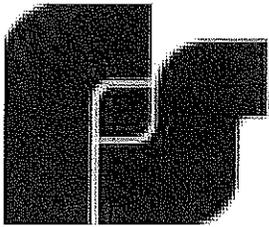
Trailer Jettors Price Sheet

Sales Code	Description	List Price
T1840-300	Trailer-Series RamJet 300 Gallons, 18GPM @ 4000 PSI	\$45,525.00
T1840-600	Trailer-Series RamJet 600 Gallons, 18GPM@4000 PSI	\$50,318.00
T1840-300-RD	Trailer-Series RamJet 300 Gallons, 18GPM @ 4000 PSI-Run Dry Pump	\$48,547.00
T1840-600-RD	Trailer-Series RamJet 600 Gallons, 18GPM@4000 PSI - Run Dry Pump	\$53,342.00
T4030 -750	Trailer-Series RamJet 750 Gallons, 40GPM @ 3000 PSI	\$67,328.00
T4020 -750	Trailer-Series RamJet 750 Gallons, 40GPM @ 2000 PSI	\$61,800.00
T3030 -750	Trailer-Series RamJet 750 Gallons, 30GPM @ 3000 PSI	\$60,010.00
TK1840-300	Truck-Series RamJet 300 Gallons, 18GPM @ 4000 PSI	\$44,805.00
TK1840-600	Truck-Series RamJet 600 Gallons, 18GPM @ 4000 PSI	\$47,175.00
TK1840-300 - RD	Truck-Series RamJet 300 Gallons, 18GPM @ 4000 PSI - Run Dry Pump	\$47,830.00
TK1840-600 - RD	Truck-Series RamJet 600 Gallons, 18GPM @ 4000 PSI - Run Dry Pump	\$50,199.00
TK3030 -750	Truck-Series RamJet 750 Gallons, 30GPM @ 3000 PSI	\$60,010.00
TK4030 -750	Truck-Series RamJet 750 Gallons, 40GPM @ 3000 PSI	\$66,659.00
TK4020 -750	Truck-Series RamJet 750 Gallons, 40GPM @ 2000 PSI	\$61,799.00
SK1840-300	Skid-Series RamJet 300 Gallons, 18GPM @ 4000 PSI	\$44,805.00
SK1840-600	Skid-Series RamJet 600 Gallons, 18GPM @ 4000 PSI	\$47,175.00
SK1840-300 - RD	Truck-Series RamJet 300 Gallons, 18GPM @ 4000 PSI - Run Dry Pump	\$47,830.00
SK1840-600 - RD	Truck-Series RamJet 600 Gallons, 18GPM @ 4000 PSI - Run Dry Pump	\$50,199.00
SK3030 -750	Skid-Series RamJet 750 Gallons, 30GPM @ 3000 PSI	\$60,010.00
SK4030 -750	Skid-Series RamJet 750 Gallons, 40GPM @ 3000 PSI	\$66,659.00

SK4020 -750	Skid-Series RamJet 750 Gallons, 40GPM @ 2000 PSI	\$61,799.00
J5000	40 GPM @ 2000 PSI	\$0.00
J5000A	40 GPM @ 3000 PSI	\$0.00
J5003	18 GPM @ 4000 PSI	\$0.00
J5006	30 GPM @ 3000 PSI	\$0.00
015STDJA	300 gal Water Tank	\$0.00
015STDJB	600 gal Water Tank	\$0.00
015STDJC	Twin 375 gal Water Tank	\$0.00
017STDJ	Run Dry, Stainless Steel, Belt Driven	\$0.00
017STDJ	Ceramic Plunger, Belt Driven	\$0.00
017STDJ	Gear Box Direct Pump	\$0.00
017STDJ	Run Dry Pump	\$0.00
017STDJ	Non- Run Dry Pump	\$0.00
023STDJ	E-Stop	\$0.00
025STDJ	600' Capacity Fixed Hose Reel	\$0.00
025STDJ	600' Capacity Pivot Hose Reel	\$0.00
035STDJ	10' Leader Hose	\$0.00
050STDJ	Hose Wind Guide-Fixed	\$0.00
061STDJ	Finned Nozzle Extension	\$0.00
062STDJ	Auto Shutdown (for High Engine Temp/Low Oil Pressure)	\$0.00
070STDJ	Tachometer w/Hour Meter	\$0.00
076STDJ	Gauge Package (Hour Meter, Tach, Volt, Oil Pressure, Temp)	\$0.00
080STDJ	Low Water Warning Light	\$0.00
090STDJ	Non-Silent	\$0.00
095STDJ	(1) 42" Aluminum Toolbox, Front Opening	\$0.00
095STDJ	Twin 42" Aluminum Toolbox, Front Opening	\$0.00
097STDJ	Round Steel Fenders	\$0.00
098STDJ	Dual anchor Tie-Point at rear of unit	\$0.00
116STDJ	Nema Ignition Switch Control Panel	\$0.00
117STDJ	LED Stop/ Turn/ Tail Lights	\$0.00
150STDJA	Water Pressure Gauge	\$0.00
170ASTDJ	LED Strobe Light	\$0.00
212STDJ	Magnetic Hand Light	\$0.00
172STDJ	Electric Brakes	\$0.00
172STDJ	Hydraulic Brakes	\$0.00
173STDJ	Aluminum Rock Guard Standard on Fenders (Trailer Only)	\$0.00
175STDJ	Electronic Throttle Controls	\$0.00
180STDJ	Stainless Steel Water Selector	\$0.00
2011STDJ	Two Drain Jet Nozzles	\$0.00
2012STDJ	Water Recirculator and Antifreeze System	\$0.00
2013STDJ	3" Tiger Tail Hose Protector	\$0.00

2015STDJ	2.5" Fill System	\$0.00
J090A	Silent Pak	\$1,912.00
J090STD	Engine Shroud	\$0.00
J9070STD	Galvanized 2 x 4 Steel Frame	\$0.00
J2003	Laval Water Separator at Fill	\$1,643.00
J2006A	Air Purge	\$1,802.00
J3018STD	Hatz 45 HP 3 Cyl	\$0.00
J3018STD	Hatz 49 HP 3 Cyl	\$0.00
J3018A	Hatz 74 HP 4 Cyl Diesel Engine Liquid Cooled	\$5,908.00
J3018CSTD	Hatz 49 HP 4 Cyl Diesel Engine Liquid Cooled - Export	\$885.00
J3018CSTD	Hatz 66 HP 4 Cyl Diesel Engine - Export	\$0.00
J3018ASTD	Hatz 74 HP 4 Cyl Diesel Engine Liquid Cooled	\$0.00
J3018ASTD	Hatz 74 HP 4 Cyl Diesel Engine Liquid Cooled	\$0.00
J3018BSTD	Kubota 99 HP 4 Cyl Diesel Engine	\$3,454.00
J6003FSTD	500' x 1/2 Piranha Sewer Hose at 4000 PSI	\$0.00
J6003G	600' x 1/2 Piranha Sewer Hose at 4000 PSI in lieu of Standard	\$300.00
J6003HSTD	500' x 3/4 Piranha Sewer Hose at 2500 PSI	\$0.00
J6003K	600' x 3/4 Piranha Sewer Hose at 2500 PSI in lieu of Standard	\$300.00
J6003L	700' x 1/2 Piranha Sewer Hose at 4000 PSI in lieu of Standard	\$599.00
J6003M	800' x 1/2 Piranha Sewer Hose at 4000 PSI in lieu of Standard	\$300.00
J6003N	700' x 3/4 Piranha Sewer Hose at 2500 PSI in lieu of Standard	\$599.00
J6003P	800' x 3/4 Piranha Sewer Hose at 2500 PSI in lieu of Standard	\$898.00
J6003Q	900' x 1/2 Piranha Sewer Hose at 4000 PSI in lieu of Standard	\$1,197.00
J6003R	1000' x 1/2 Piranha Sewer Hose at 4000 PSI in lieu of Standard	\$1,495.00
J6003S	900' x 3/4 Piranha Sewer Hose at 2500 PSI in lieu of Standard	\$1,197.00
J6003T	1000' x 3/4 Piranha Sewer Hose at 2500 PSI in lieu of Standard	\$1,495.00
J6003FSTD	500' x 3/4 Piranha Sewer Hose at 3000 PSI	\$0.00
J6003G	600' x 3/4 Piranha Sewer Hose at 3000 PSI in lieu of Standard	\$300.00
J6003N	700' x 3/4 Piranha Sewer Hose at 3000 PSI in lieu of standard	\$599.00
J6003P	800' x 3/4 Piranha Sewer Hose at 3000 PSI in lieu of Standard	\$898.00
J6003Q	900' x 3/4 Piranha Sewer Hose at 3000 PSI in lieu of Standard	\$1,197.00
J6003R	1000' x 3/4 Piranha Sewer Hose at 3000 PSI in lieu of Standard	\$1,495.00
J6003USTD	500' x 1 Piranha Sewer Hose at 2500 PSI	\$0.00
J6003V	600' x 1 Piranha Sewer Hose at 2500 PSI in lieu of Standard	\$300.00
J6003USTD	500' x 1 Piranha Sewer Hose at 3000 PSI	\$0.00
J6003V	600' x 1 Piranha Sewer Hose at 3000 PSI in lieu of Standard	\$300.00
J6004C	Hose Wind Guide, Adjustable	\$1,100.00
J6005A	Footage Counter (Mounted on Jet Hose Reel)	\$557.00
J6011STD	Handgun Hose Reel w/Spring Retract	\$0.00
J6015G	Power Pull-out Option for VTJ Reels	\$1,802.00
J6015H	Power PullOut Option for VTJ Reels with 1000' Capacity Hose Reel	\$2,490.00

J6015E	1000' Capacity Fixed Hose Reel	\$689.00
J6015F	1000' Capacity Pivot Hose Reel	\$689.00
J6023A	Dual Hose Reel - Power Pull-out	\$1,801.00
J6023B	Dual Hose Reel - Power Pull-out	\$6,749.00
J6018STD	Nozzle Storage Rack	\$0.00
J6020	JMS Control System(Includes Water on/off controls)	\$3,192.00
J6020A	JMS Control System(Includes Water on/off controls) w/ Handheld Remote	\$5,720.00
J6021	Electronic Water on/off Control (JMS Control System)	\$0.00
J6022STD	By Pass Valve	\$0.00
J6024	Fill Hose Storage Rack	\$189.00
J6027A	25' Leader Hose (in lieu of standard)	\$160.00
J6035	Fixed Secondary Hose Reel w/ 3/8" Sewer Hose 500' length	\$6,470.00
J6035	Pivot Secondary Hose Reel w/ 3/8" Sewer Hose 500' length	\$6,470.00
J6035	Power Pull Out Secondary Hose Reel w/ 3/8" Sewer Hose 500' length	\$7,438.00
J6039	Root Cutter Maintance Box (Includes the Equipment and Blades)	\$1,662.00
J6040STD	Hydraulic Speed Control Valve	\$0.00
J7015	Wash Down System w/ Gun and 25' of Hose	\$480.00
J8027	LED Plug-In Hand Light	\$272.00
J8028	LED Strobe Light	\$132.00
J8029	LED ArrowBoard	\$995.00
J9004	Spare Tire with Rim	\$432.00
J9005	Power Jack	\$1,745.00
J9007	12 Ft Flat Bed	\$5,832.00
J9007A	14 Ft Flat Bed	\$7,222.00
J9007B	16 Ft Flat Bed	\$8,612.00
J9011A	Pintle Hitch	\$65.00
J9017A	Passenger Side 72" Aluminum Toolbox, Front Opening	\$554.00
J9017A	Driver 72" Aluminum Toolbox, Front Opening	\$554.00
J9017A	Twin 72" Aluminum Toolbox, Front Opening	\$1,107.00
J9017B	Twin Aluminum Square Fenders	\$828.00
J9075	Rear Basket	\$654.00
J9076	Toolbox Drying Deck	\$107.00
J9023	Six (6) 18" DOT Safety Cones and Holders	\$174.00
J9077	Eye Hooks	\$550.00
P112B	Module Paint - Special paint all Solid Colors	\$1,814.00



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2017 Excavators List Price Reference Sheet



2017 HXX Price Reference Sheet

HXX 2017 Price List		
Sales Code	Description	List Price
2112HXX	HXX Dual Stage Fan, 12 yrd Debris, 1200 Gal Water	262990
21HXXPD36	HXX PD, 18" Vacuum, 12 yrd Debris, 1200 Gal Water	267065
21HXXPD12	HXX PD, 27" Vacuum, 12 yrd Debris, 1200 Gal Water	286665
21HXXPD15	HXX PD, 27" Vacuum, 15 yrd Debris, 1200 Gal Water	300375
21HXXPD12-6176	HXX PD, 28" Vacuum, 12 yrd Debris, 1200 Gal Water, 6,176 CFM	294900
Standard Options		
H001STD	Twin Stage Fan Hydrostatic Driven	0
H013STD	Hibon 8702 Blower	0
H015ASTD	Blower-Roots 824RCS/18"	0
H015BSTD	Robuschi RBDV 145 Blower - 6176 CFM	0
H002STD	DigRight Technology	0
H011STD	Aluminum Fenders	0
H012STD	Mud Flaps	0
H016STD	Sealed Electrical System	0
H017STD	Dual Cyclone Separators	0
H017ASTD	Single Cyclone Separator	0
H020STD	Double Acting Dump Hoist	0
H022STD	2" Y-Strainer w/25' Fill Hose	0
H026STD	Exten Steel Debris Body	0
H040STD	Electronic Low Water Indicator	0
H046STD	Fixed Pipe Rack, R/D	0
H047STD	Flat Rear Door w/Hyd Locks/Lift	0
H048STD	8" ID Vacuum System	0
H049STD	Multi Flow System	0
H050STD	Handgun Kit 5gpm/10gpm	0
H051STD	75' Retractable Handgun Reel	0
H054STD	7ft Extendable Boom, 320 deg. Rotation with Removable Turret Box	0
H055STD	Vacuum Relief	0
H056STD	Electronic Back-Up Alarm	0
H057STD	3" Water Tank Drain	0
H058STD	2-1/2" Cam-Lok Water Fill Fittings	0
H059STD	Control Panel Boom Control	0
H060STD	Circuit Breakers	0
H061STD	Tow Hooks Front & Rear	0

H063STD	Hydrant Wrench/Tool Package	0
H066STD	10 GPM/2500 PSI Water System	0
H067STD	Debris Body Deflectors	0
H068STD	S.S. Float Ball Shut Off	0
H069STD	Manual Hand Pump For Boom Hydraulic Override	0
H080STD	Electronic Low Water Indicator	0
H101STD	1200 Gallon Poly Water Tank	0
H102STD	6" Rear Door Knife Valve w/Camloc, 6:00 position - Standard	0
H102ASTD	6" Rear Door Butterfly Valve, 3:00 position - Standard	0
H102BSTD	6" Rear Door Knife Valve w/Camloc, 3:00 position - Standard	0
H102CSTD	6" Rear Door Butterfly Valve, 3:00 position - Standard	0
H102DSTD	6" Rear Door Knife Valve w/Camloc, 3:00 position - Standard	0
H102ESTD	6" Rear Door Butterfly Valve, 6:00 position - Standard	0
H103STD	Control Cabinet Tool Box - 58w x 48h x 30d	0
H104STD	Water Pump Cabinet Tool Box - 50w x 30h x 30d	0
H105STD	Digging Lance Package	0
H106STD	2 - Fixed Jet Nozzles	0
H107STD	2 - Vector Rotator Nozzle	0
H110STD	Wireless Wrist Strap Emergency Stop /w Dig Lance Tether	0
H127STD	Grounding Cable to Tie Debris Body, Subframe and Chassis	0
H1022STD	Rear Door Splash Shield	0
H1025STD	8" Inspection Port W/Ladder	0
H1027STD	Removable Boom Turret Box	0
H1065STD	LED Lights, Stop, Tail, Turn Marker	0
H4011STD	Wireless Remote w/Pump, Vac-Relief - Hand-held	0
H4015STD	QuietPak® Sound System	0
H4012STD	Remote Corded Pendant	0
H4019STD	ISO 46 Hydraulic Oil	0
H6017STD	Hydraulic Tank Shutoff Valves	0
H8021STD	8" Vacuum Tube Pacakage w/8" Dig Tube	0
H8021STD	8" Vacuum Tube Pacakage w/6" Dig Tube	0
H8025ASTD	LED Lights, Clearance, Stop, Tail, Turn, Backup	0
H9020STD	Toolbox, Driver Side Chassis Frame, 48w x 20h x 30d. Tandem Axle Only	0
H9022STD	Water Tank Driver Side Tooltray, Standard	0
H9023STD	Toolbox, Passenger Side Chassis Frame. Tandem Axle Only	0
H9028STD	Driver side Toolbox 36W x 54.5H x 30D, Standard	0
H9031STD	Camera System, Rear Only	0
H9006STD	Hydroexcavating Digging Nozzles	0
H9025STD	Toolbox, Passenger Side Subframe in lieu of Tool Tray, 104w x 24h x 22d	0

H9025HSTD	Toolbox, Passenger Side Subframe in lieu of Tool Tray, 118w x 24h x 22d	0
Options		
H062	8" Dig Tube Handle Attachment	315
H1004	Debris Body Load Limit Alarm	1911
H1007A	6" Rear Door Butterfly Valve, 3:00 position	1088
H1008	6" Rear Door Knife Valve w/Camloc, 3:00 position	1240
H1007B	6" Rear Door Butterfly Valve, 6:00 position	1088
H1007C	6" Rear Door Butterfly Valve, 6:00 position	1088
H1008A	6" Rear Door Knife Valve w/Camloc, 6:00 position	1240
H1008B	6" Rear Door Knife Valve w/Camloc, 6:00 position	1240
H1011	Heated Rear Door Valve - 6:00 Position	2792
H1015	Folding Pipe Rack, Curbside	958
H1015A	Folding Pipe Rack, Streetside	958
H1015B	Folding Pipe Rack, Rear Door	958
H1023	Lube Manifold	2099
H1023A	Plastic Lube Chart, included with Lube Manifold	0
H1026	Debris Body Vibrator, Electric	1583
H1026A	Debris Body Vibrator, Hydraulic	3076
H1030	Sludge Pump Off-Load System	8391
H1030A	Sludge Pump Off-Load Circuitry Only	5280
H1035	Standpipe and Screen for 6:00 Port	890
H1040	Float Ball Screen, Perforated Plastic	910
H1036	Vacuum Enhancer	1997
H2004	Continuous Water Tank Fill	1594
H2006	Air Purge	1190
H2021B	Water Heater, 400,000 BTU's	6130
H2021E	Water Heater, 800,000 BTU's - 12V	9056
H2021D	Heated and Insulated Operator Side Toolboxes	2284
H4004A	7ft Telescoping Boom, 320 deg. with Removable Turret Box	5050
H4013	Wireless Remote for Body Functions - Hand-held	1472
H4017	Boom Out of Position Light/Alarm	1500
H4020	Body Out of Position Light/Alarm	1500
H2024	Anti Freeze Tank and Plumbing	2093
H4019B	Shell T22 Hydraulic oil	500
H5009A	Cold Weather Recirculator	4256
H5010	Antifreeze Bundle 1- Cold Weather Recic and AntiFreeze Tank and Plumbing	6000
H2021C	Cold Weather Package	4256
H5010B	Cold Weather Package 1 - Includes Antifreeze Tank and Plumbing	4893
H5010C	Cold Weather Package 2 - Includes PTO Cold Weather Recirculator	7056

H5010D	Cold Weather Package 3 - Includes PTO Cold Weather Recirculator & Antifreeze Tank	9000
H5010C	Cold Weather Package 2 - Includes FEPTO Cold Weather Recirculator	7056
H5010D	Cold Weather Package 3 - Includes FEPTO Cold Weather Recirculator & Antifreeze Tank	9150
H5017A	20 GPM/2500 PSI Water System in lieu of 10 GPM	8620
H5017B	25 GPM/2500 PSI Water System in lieu of 10 GPM	9950
H5023	Fan Flushout System	471
H5020	Air Excavation Package, 185 CFM/150 PSI	17802
H6013	Hydraulic Tool Package	1357
H6021	Cyclone Drain Valve	650
H7004B	Front Station Control, Second Operator Station, Driver Side	4104
H7004A	Front Station Control, Second Operator Station, Spring Retract Hose Reel, Passenger Side	4104
H7004F	Front Station Control, Second Operator Station, Hydraulic Hose Reel, Passenger Side	6335
H8001	Rear Directional Control, Split Arrow Traffic Controller, 10 Lights	1297
H8001A	Rear Directional Control, Signal Master Arrow Board, 10 Lights	1297
H8001B	Rear Directional Control, Signal Master LED Arrow Stick, 8 Lights	1906
H8001D	Rear Directional Control, Whelen Large Arrow, 16 Lights	4551
H8001E	Rear Directional Control, Split LED Arrow Traffic Controller, 10 Lights	1609
H8002A	Waterproof, Rechargeable, Wireless, Handheld, LED Spot Light w/12V Charger and Plug	330
H8003A	Intrinsically Safe, Water Resistant, Rechargeable Wireless, Handheld LED Spot Light w/12v Charge and Plug	510
H8004B	Revolving LED Beacon, Front Federal Signal SLR Series, Amber	938
H8007	Strobe Light, Rear, Federal Signal US-5 Series, Amber	899
H8007D	Strobe Light, LED, Rear, Federal Signal, Amber	985
H8008	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Rear	394
H8004C	Revolving LED Beacon, Rear Federal Signal SLR Series, Amber	938
H8007B	Strobe Light, Front, Federal Signal US-5 Series, Amber	899
H8007C	Strobe Light, LED, Front, Federal Signal, Amber	985
H8008A	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Front	394
H8009	Worklight, Operators Station	572
H8011	Worklights (2), Boom	726
H8013	Rear Beacon Limb Guard	180
H8013A	Front Beacon Limb Guard	180
H8015	Work Zone Lighting, (8) LED Lights	1980
H8016	Worklights (2), Rear Door	536

H8020E	6 Amber LED Flashing Light System (2 Rear Mounted, 2 Passenger and 2 Drivers Side)	1000
H8023	Onboard Scale System w/ Wireless Handheld Display	7900
H8035	(1) 110 Volt, 3000 Watt, GFCI Electrical Outlet - Passenger Side	3200
H1260	Ocean Preparation	1305
H9001A	Road Salt Protection	336
H9001	Ziebart Corrosion Protection	1422
H9002	(2) Tire Chain Storage Racks	575
H9005	High Altitude Nozzle	0
H9011A	Pintle Hitch Assembly, 30,000 LBS	2239
H9021	Toolbox, Passenger Side Behind Tandem, 18w x 48h x 24d	1055
H9021A	Toolbox, Driver Side Behind Tandem, 18w x 48h x 24d	1055
H9022	Toolbox, Driver Side Chassis Frame, 58w x 48h x 30d, in lieu of STD. Frame Mount Pipe Storage	2345
H9022	Water Tank Toolbox Driver Side, 36w x 24h x 12d	850
H9022	Water Tank Toolbox Driver Side, 58w x 24h x 24d	850
H9025A	Toolbox, Driver Side Subframe in lieu of Tool Tray, 104w x 24h x 22d	2921
H9025D	Toolbox, Driver Side Subframe in lieu of Tool Tray, 118w x 24h x 22d	2921
H9026	Toolbox, Driver Side Vertical Toolbox 30w x 66h X 30d	2015
H9026A	Toolbox, Driver Side Vertical Toolbox 30w x 66h X 30d, Glycol heated and Insulated.	3395
H9026B	Toolbox, Driver Side Vertical Toolbox 30w x 66d X 30h, Diesel heated and Insulated.	3395
H9026C	40"w x 90"h x 40"d Double Wall, Insulated and Heated Walk-in Aluminum Cabinet - 57 cu ft.	14000
H9027	Regen Warning System	390
H9028A	Toolbox, Driver Side Vertical Toolbox 36w x 54.5h X 30d, Glycol heated and Insulated.	1000
H9031B	Camera System, Front, Rear and Both Sides	1120
H9071A	Behind Cab Toolbox, 18w x 52h x 92d w/slide out drawers	4315
H9071B	Behind Cab Toolbox, 18w x 52h x 92d, Glycol Heated/Insulated w/slide out drawers	6218
H9071C	Behind Cab Toolbox, 18w x 52h x 92d, Diesel Heated/Insulated w/slide out drawers	10102
H1095	2" Trailer Hitch Receiver, RV Style Trailer Plug, Electric Trailer Brake Module - 10,000 lbs Capacity	1410
H1095A	2" Trailer Hitch Receiver, RV Style Trailer Plug, w/Pneumatic Trailer Brake Glad Hands - 10,000 lbs Capacity	1410
H2027	Remote Mounted, Heated Water Tank Drain Valve	2600
H9094	Heated Boost Pump	6100
H9095	Wheel Chock and Holders - 2 Chocks Stored Each Side	650

2017 HXX Prodigy Price Reference Sheet

2017 HXX Prodigy Price List		
Sales Codes	Description	PRICE
HXX2106	HXX Prodigy PD, 16" Vacuum, 6 yrd Debris, 600 Gal Water	187500
HXX2107	HXX Prodigy Air PD, 16" Vacuum, 6yrd Debris, 80 Gal Water	229847
PRD1005	HXX Prodigy PD, 16" Vacuum, 9 yrd Debris, 600 U.S. Gal Water	202920
Standard Options		
PRD0010	320 deg. 5ft Extendable Boom	0
PRD01STD	Exten Steel Debris Body	0
PRD02STD	Flat Rear Door w/Hyd Locks/Lift	0
PRD04STD	8" Inspection Port W/Ladder	0
PRD05STD	Rear Door Prop	0
PRD06STD	S.S. Float Ball Shut Off	0
PRD08STD	600 Gal Capacity - #304 3/16" Stainless Steel Water Tank	0
PRD09STD	Electronic Low Water Indicator	0
PRD10STD	10 GPM/2500 PSI Water System	0
PRD11STD	75' Retractable Handgun Reel	0
PRD12STD	Roots 624 Blower W/Direct Drive Transfer Case	0
PRD13STD	Single Cyclone Separator	0
PRD014STD	Vacuum Relief	0
PRD4011STD	Wireless Remote w/Pump,VacRelief	0
PRD16STD	Vacuum Pipe Package	0
PRD17STD	Excavating Lance Package	0
PRD18STD	Tool Trays, Aluminum, Driver	0
PRD19STD	LED Lights, Clearance, Stop, Tail, Turn, Backup	0
PRD20STD	Electronic Back-Up Alarm	0
PRD110STD	Wireless Wrist Strap Emergency Stop /w Dig Lance Tether	0
PRD127STD	Grounding cable to tie debris body, sub frame, and chassis	0
PRD128STD	Low water Light w/ Alarm	0
PRD22STD	Right Start Program	0
PRD24STD	Paint, Module, DuPont (Wet on Wet)	0
PRD103STD	Control Cabinet Tool Box - 36w x 24h x 18d	0
PRD104STD	Water Pump Cabinet Tool Box - 50w x 30h x 30d	0
PRD106STD	2 - Fixed Jet Nozzles	0
PRD107STD	2 - Vactor Rotator Nozzle	0
PRD03STD	6" Rear Door Butterfly Valve, 3:00 position - Standard	0
PRD03ASTD	6" Rear Door Knife Valve w/Camloc, 3:00 position - Standard	0

PRD03BSTD	6" Rear Door Butterfly Valve, 3:00 position - Standard	0
PRD03CSTD	6" Rear Door Knife Valve w/Camloc, 3:00 position - Standard	0
PRD03DSTD	6" Rear Door Butterfly Valve, 6:00 position - Standard	0
PRD03ESTD	6" Rear Door Knife Valve w/Camloc, 6:00 position - Standard	0
PRD1022STD	Rear Door Splash Shield	0
PRD4012STD	Remote Corded Pendant	0
PRD9031STD	Camera System, Rear Only	0
PRD6017STD	Hydraulic Tank Shutof Valves	0
PRD9040STD	Toolbox, Passenger Side Subframe in lieu of Tool Tray, 68w x 24h x 22d	0
Options		
PRD1008B	6" Rear Door Knife Valve w/Camloc, 3:00 position	1240
PRD1015A	Folding Pipe Rack, Streetside	958
PRD1015B	Folding Pipe Rack, Rear Door	958
PRD1023	Lube Manifold	2099
PRD1023A	Plastic Lube Chart, included with Lube Manifold	0
PRD1026	Debris Body Vibrator, Electric	1583
PRD1030	Sludge Pump Off-Load System	8391
PRD1030A	Sludge Pump Off-Load Circuitry Only	5281
PRD1035	Standpipe and Screen for 6:00 Port	890
PRD1040	Float Ball Screen, Perforated Plastic	910
PRD0005	Air Excavation Package, 185 CFM/150 PSI	17802
PRD0012	320 deg. 5ft Telescoping Boom	1693
PRD013	Clump Buster	0
PRD0015	Vacuum Enhancer	1997
PRD2004	Continuous Water Tank Fill	1594
PRD2006	Air Purge	1190
PRD2021B	Water Heater, 400,000 BTU's	6130
PRD9005	High Altitude Nozzle	0
PRD2021D	Heated Toolbox	586
PRD2024	Anti Freeze Tank and Plumbing	2093
PRD5009A	Cold Weather Recirculator	4256
PRD5010	Antifreeze Bundle 1- Cold Weather Recic and AntiFreeze Tank and Plumbing	6000
PRD2021C	Cold Weather Package	3450
PRD5010B	Cold Weather Package 1 - Includes Antifreeze Tank and Plumbing	4893
PRD5010C	Cold Weather Package 2 - Includes PTO Cold Weather Recirculator	7056
PRD5010D	Cold Weather Package 3 - Includes PTO Cold Weather Recirculator & Antifreeze Tank	9150
PRD5010C	Cold Weather Package 2 - Includes FEPTO Cold Weather Recirculator	7056
PRD5010D	Cold Weather Package 3 - Includes FEPTO Cold Weather Recirculator & Antfreeze Tank	9150
PRD6013	Hydraulic Tool Package	1357

PRD8001	Rear Directional Control, Split Arrow Traffic Controller, 10 Lights	1297
PRD8001A	Rear Directional Control, Signal Master Arrow Board, 10 Lights	1297
PRD8001B	Rear Directional Control, Signal Master LED Arrow Stick, 8 Lights	1906
PRD8001E	Rear Directional Control, Split LED Arrow Traffic Controller, 10 Lights	1560
PRD8002A	Waterproof, Rechargeable, Wireless, Handheld, LED Spot Light w/12V Charger and Plug	330
PRD8003A	Intrinsically Safe, Water Resistant, Rechargeable Wireless, Handheld LED Spot Light w/12v Charge and Plug	510
PRD8004B	Revolving LED Beacon, Front Federal Signal SLR Series, Amber	938
PRD8007	Strobe Light, Front, Federal Signal US-5 Series, Amber	899
PRD8007A	Strobe Light, Rear, Federal Signal US-5 Series, Amber	899
PRD8007C	Strobe Light, LED, Front, Federal Signal, Amber	985
PRD8007D	Strobe Light, LED, Rear, Federal Signal, Amber	985
PRD8008	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Rear	394
PRD8008A	Brackets and Wiring for Customer Installed Strobe/Revolving Light, Front	394
PRD8004C	Revolving LED Beacon, Rear Federal Signal SLR Series, Amber	938
PRD8009	Worklight, Operators Station	572
PRD8011	Worklights (2), Boom	726
PRD8013	Rear Beacon Limb Guard	180
PRD8013A	Front Beacon Limb Guard	180
PRD8016	Worklights (2), Rear Door	536
PRD8020E	6 Amber LED Flashing Light System (2 Rear Mounted, 2 Passenger and 2 Driver Side)	2706
PRD9025A	Toolbox, Driver Side Subframe in lieu of Tool Tray, 104w x 24h x 22d	2921
PRD9025	Toolbox, Passenger Side Subframe in lieu of Tool Tray, 104w x 24h x 22d	2921
PRD9040A	Toolbox, Driver Side Subframe in lieu of Tool Tray, 68w x 24h x 22d	1349
PRD9041	Toolbox, Passenger Side Frame Rail in lieu of Air Compressor, 36w x 28.5h x 26d	1358
PRD9042	Toolbox, Driver Side Frame Rail below Oil Cooler, 28w x 22h x 26d	786
PRD9031B	Camera System, Front, Rear and Both Sides	1120

2017 Paradigm Price List

Paradigm 2017 Price List		
Sales Code		
HXX-Paradigm	HXX ParaDIGm Vacuum Excavator	137308
Standard Options		
PAR015ASTD	Roots 616-Ram-V Positive Displacement Blower -2,200 CFM and 15" Hg.	0
PAR069STD	Hydrostatic Blower Drive	0
PAR067STD	675 US Gallon Debris Body	0
PAR066STD	8 GPM/2500 PSI Water System	0
PAR066ASTD	4 GPM/2500 PSI Water System	0
PAR017CSTD	Dual Cyclone Filtration	0
PAR079STD	2" Y-Strainer On Water Tank Fill	0
PAR047STD	3/4 opening Flat Rear Door w/Hydraulic Open/Close and Lock	0
PAR05STD	Rear Door Prop	0
PAR010STD	Manual Over Center Rear Door Locks	0
PAR1606STD	Hydraulic Rear Door Locks	0
PAR20STD	Electronic Backup Alarm	0
PAR22STD	Vactor's Right Start Program	0
PAR33STD	Unit Manufactured in an ISO 9001:2008 Quality Management Certified Facility	0
PAR37STD	Unit Manufactured in an ISO 14001:2004 Environmental Management Certified Facility	0
PAR054STD	6" Extendable Loading Boom w/ 5' extension (Hydraulic Up/Down, Manual In/Out & Rotation)	0
PAR055STD	3" Kunkle Vacuum Relief Valves	0
PAR057STD	Single Stage Hydraulic Dump Cycliner - 50 deg Dump Angle	0
PAR065STD	Debris Body Prop	0
PAR068STD	Ultra Quiet Blower Silencer Package	0
PAR070STD	Final Filter w/ Polyester Insert for Dry Material Vacuuming -5 Micron	0
PAR071STD	Vactor's Park-n-Dig Quick Setup Design	0
PAR072STD	4" Rear Door Loading Port w/4" x 25' Smooth-Bore Vacuum Hose	0
PAR073STD	Anti-Siphon Water Tank Fill	0
PAR074STD	2" Camlock w/25' Hydrant Fill Hose Connection	0
PAR075STD	3/4" X 25' Garden Hose Fill	0
PAR076STD	Hydrostatic Water Pump Drive	0
PAR077STD	Digging Lance Storage	0
PAR091STD	1/2" Convenience Water Valve for Washing Hands, Boots, or Tools	0

PAR093STD	Vactor Emergency Stop at all HMI	0
PAR094STD	J1939 CAN Electrical Communication and Engine/Transmission/Vactor Interface - includes Vactor Diagnostics and Warnings	0
PAR095STD	Illuminated Curbside Control Station Featuring:	0
PAR095ASTD	*Vactor E-Stop, Water Pump On/Off Control, Blower On/Off Control, Electric Vibrator	0
PAR095BSTD	*7" LCD display of Engine RPM, Blower RPM, Vacuum Level, Water Pump Mode, Blower Mode	0
PAR095CSTD	*Water and Blower Hours, Work Mode, Blower and Hydraulic Temperature	0
PAR096STD	*Air Compressor Temperature, Air Pressure, and Compressor Hourmeter	0
PAR6011STD	1/2" x 50' Water digging Hose on Manual Extend/Spring Retract Reel	0
PAR6011ASTD	1/2" x 50' Water Hose on Manual Extend/Spring Retract Reel	0
PAR1026STD	DC Electric Debris Body Vibrator	0
PAR1150STD	Wash-Down Gun	0
PAR025STD	Excavating Water Lance w/Quick Connect Fittings	0
PAR1286STD	6" Drain Port Mounted in Bottom Portion of Rear Door and Capped	0
PAR107BSTD	2 Vactor Oscillating Digging Nozzles	0
PARA2002STD	Low Water Light and Alarm	0
PAR4011CSTD	Wireless Boom Control	0
PAR4011DSTD	6" Air-Operated Vacuum Relief Valve on Wireless Remote	0
PARA4019ASTD	ISO 46 Hydraulic Oil	0
PAR6017STD	Hydraulic Tank Shutoff Valves for Ease of Service	0
PAR8009STD	LED Work Light Curbside	0
PAR8021ASTD	6" Vacuum Tube Package (1 -72" Dig Tube, 1x60" , and 1x36") w/Clamps	0
PAR8025ASTD	LED Lights, Clearance, Stop, Tail, Turn, Backup	0
PAR9020STD	Tool box, Passenger Side, Underbody - 72"w x 28"h x 61"d	0
PAR9023STD	Tool Tray, Driver Side - 68"w x 10"h x 28"d	0
PAR9023ASTD	Tool Tray, Driver Side - 34"w x 10"h x 28"d	0
PAR9031STD	Camera System, Rear Only	0
PAR1022STD	Rear Door Splash Shield	0
HP112STD	Module Paint, DuPont Imron Elite - Sanded Primer Base	0
HP112ASTD	All Painted and Powder Coated Components are Sand Blasted for Proper Adhesion Prior to Finishing	0
HP112BSTD	Debris Body Painted Customer Colors per Vactor's 5 Stage Paint Process	0
Options		
PAR101	300 Gallon US. Gal Water Capacity - HDPE Water Tank	10900
PAR101A	100 Gallon US. Gal Water Capacity - HDPE Water Tank	6000
PAR1008	6" Rear Door Knife Valve w/Camloc, 6:00 position	1150
PAR1023	Centralized Lubrication Point Manifold	1890
PAR1023A	Plastic Lube Chart	57
PAR1023A	Plastic Lube Chart, included with Lube Manifold	0

PAR4004A	6" Extendable Loading Boom w/ 5' extension (Hydraulic Up/Down, In/Out & Manual Rotation)	2625
PAR2006	Air Purge System for Water Lines	1120
PAR2021G	Water Heater for Water System- 175,000 BTU's 12 Volt	3770
PAR5009D	Cold Weather Recirculator	2940
PAR2021C	Cold Weather Package (Includes Insulated and Heated Water Pump Cabinet and Water Suction Line)	3235
PAR2026	Back Fill Hopper w/Unloading Chute - 175 U.S Gallon Capacity	5800
PAR4012	Corded Pendant for Boom and water Pump Controls - Include Vector E-Stop	410
PAR5020A	185 CFM Air Compressor	17802
PAR5020AA	150 PSI and 110 PSI Dual Setting for Digging and Pnuematic Tools	0
PAR5020AB	1" x25' Air Hose on Manual Extend / Spring Retract Reel	0
PAR5020AC	Airspade 4000 Digging Lance w/Application Specific Digging Nozzle	0
PAR5020D	300 CFM Air Compressor	43970
PAR5020DA	220 PSI and 110 PSI Dual Setting for Digging and Pneumatic Tools	0
PAR5020DB	1" x 25' Air Hose on Manual Extend/Spring Retract Reel	0
PAR5020DC	Airspade 4000 Digging Lance w/Application Specific Digging Nozzle	0
PAR8001	Rear Mounted Two Piece LED Arrow Board	1530
PAR8001A	Rear Mounted One Piece Arrow Board	1295
PAR8001B	Rear Mounted One Piece LED Arrow Stick	1765
PAR8002A	Handheld LED Spotlight w/12v Rechargeable Plug in	320
PAR8003A	Handheld LED Spotlight w/12v Rechargeable Plug in - Class 1/Div 2 Compliant Knucklehead Style	560
PAR8004B	Front Revolving Light - LED	880
PAR8004C	Rear Revolving Light - LED	880
PAR8007D	Rear Strobe Light -LED	880
PAR8007C	Front Strobe Light -LED	880
PAR8011	2 Boom Mounted LED Work Lights	940
PAR8015	Additional, Rear Mounted, Curb Side LED Work Light	530
PAR8016	LED Rear Door WorkLight	530
PAR8020E	6 Amber LED Flashing Light System (2 Rear Mounted, 2 Passenger and 2 Driver Side)	1000
PAR8022A	6" Dig Tube Handle Attachment	315
PAR8035	(1) 110 Volt, 3000 Watt, GFCI Electrical Outlet in Passenger Side	3200
PAR9011	Pintle Trailer Hitch, RV Style Trailer Plug, Electric Trailer Brake Module - 20,000 lbs Capacity	2120
PAR9011A	Pintle Trailer Hitch, RV Style Trailer Plug, w/Pneumatic Trailer Brake Glad Hands - 20,000 lbs Capacity	2120
PAR1095	2" Trailer Hitch Receiver, RV Style Trailer Plug, Electric Trailer Brake Module - 10,000 lbs Capacity	1410
PAR1095A	2" Trailer Hitch Receiver, RV Style Trailer Plug, w/Pneumatic Trailer Brake Glad Hands - 10,000 lbs Capacity	1410

PAR9021A	Tool box, Driver Side, Rear of Tire - 17"w x 24"h x 25"d	800
PAR9022A	Tool box, Passenger Side, Rear of Tire - 17"w x 24"h x 25"d	800
PAR9023B	Tool box, Driver Side, Underbody - 68"w x 28"h x 28"d	504
PAR9023C	Tool box, Driver Side, Underbody - 34"w x 28"h x 28"d	400
PAR9020A	Tool box, Passenger Side w/2 Slide Out Drawers, Underbody - 72"w x 28"h x 61"d	2100
PAR9020A	Tool box, Passenger Side w/ Slide Out Drawer, Underbody - 72"w x 28"h x 61"d	1050
PAR9024	Underbody Storage Tray - 27"w x 6"h x 66"d	1050
PAR9025	Tool box, Driver Side, Frame Mounted Front of Rear Tire - 36"w x 20"h x 30"d	1000
PAR9027	Safety Cone Storage - Capacity up to 5 - 28" Tall Safety Cones	150
PAR9031B	Camera System, Front, Rear and Both Sides	1120
PAR9036	Front Bumper Toolbox	1710
PAR9037	Large Storage Box, 38"w x 86"h x 26"d, Passenger Side	4000
PAR9037A	Large Water Pump and Lance Storage Box, 38"w x 86"h x 26"d	4000
PAR9038	3/4" x 25' 110 PSI Pneumatic Reel and Circuit Mounted at Rear	1680
PAR9080	Tool box, Between Rear Tail Plate, 24"w x 12"h x 25"d	400

LIMITED WARRANTY

Limited Warranty. Each machine manufactured by VACTOR/GUZZLER MANUFACTURING (or, "the Company") is warranted against defects in material and workmanship for a period of 12 months, provided the machine is used in a normal and reasonable manner and in accordance with all operating instructions. In addition, certain machines and components of certain machines have extended warranties as set forth below. If sold to an end user, the applicable warranty period commences from the date of delivery to the end user. If used for rental purposes, the applicable warranty period commences from the date the machine is first made available for rental by the Company or its representative. This limited warranty may be enforced by any subsequent transferee during the warranty period. This limited warranty is the sole and exclusive warranty given by the Company.

STANDARD EXTENDED WARRANTIES (Total Warranty Duration)

2100 Series, HXX, Series and Jettors

10 years against metal water tank leakage due to corrosion. Nonmetallic water tanks are covered for 5 yrs against any factory defect in material or workmanship.

2100 Series and HXX only

5 years against leakage of debris tank, centrifugal compressor or housing due to rust-through.

2100 Series and Jettors

2 years - Vactor Rodder pump on all unit serial numbers starting with I3##V#####.

Exclusive Remedy. Should any warranted product fail during the warranty period, the Company will cause to be repaired or replaced, as the Company may elect, any part or parts of such machine that the Company's examination discloses to be defective in material or factory workmanship. Repairs or replacements are to be made at the selling Vactor/Guzzler distributor's location or at other locations approved by the Company. In lieu of repair or replacement, the Company may elect, at its sole discretion, to refund the purchase price of any product deemed defective. The foregoing remedies shall be the sole and exclusive remedies of any party making a valid warranty claim.

This Limited Warranty shall not apply to (and the Company shall not be responsible for):

1. Major components or trade accessories that have a separate warranty from their original manufacturer, such as, but not limited to, trucks, engines, hydraulic pumps and motors, tires and batteries.
2. Normal adjustments and maintenance services.
3. Normal wear parts such as, but not limited to, oils, fluids, vacuum hose, light bulbs, fuses, gaskets.
4. Failures resulting from the machine being operated in a manner or for a purpose not recommended by the Company.
5. Repairs, modifications or alterations without the express written consent of the Company, which in the Company's sole judgment, have adversely affected the machine's stability, operation or reliability as originally designed and manufactured.
6. Items subject to misuse, negligence, accident or improper maintenance.

NOTE The use in the product of any part other than parts approved by the Company may invalidate this warranty. The Company reserves the right to determine, in its sole discretion, if the use of non-approved parts operates to invalidate the warranty. Nothing contained in this warranty shall make the Company liable for loss, injury, or damage of any kind to any person or entity resulting from any defect or failure in the machine.

THIS WARRANTY SHALL BE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE DISCLAIMED.

This warranty is in lieu of all other obligations or liabilities, contractual and otherwise, on the part of the Company. For the avoidance of doubt, the Company shall not be liable for any indirect, special, incidental or consequential damages, including, but not limited to, loss of use or lost profits. The Company makes no representation that the machine has the capacity to perform any functions other than as contained in the Company's written literature, catalogs or specifications accompanying delivery of the machine. No person or affiliated company representative is authorized to alter the terms of this warranty, to give any other warranties or to assume any other liability on behalf of the Company in connection with the sale, servicing or repair of any machine manufactured by the Company. Any legal action based hereon must be commenced within eighteen (18) months of the event or facts giving rise to such action.

The Company reserves the right to make design changes or improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.



Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ inserts/ea.
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Grand Slam Nozzle-3D

1-0100-5030-C	Grand Slam-3D w/ 8 inserts SW14	¾"	8"-16"	\$ 1,299.00	\$ 54.00
1-0101-6020-C	Grand Slam-3D w/ 8 inserts SW14	1"	8"-16"	\$ 1,299.00	\$ 54.00
1-0101-8020-C	Grand Slam-3D w/ 8 inserts SW14	1"	8"-16"	\$ 1,299.00	\$ 54.00
1-0102-10020-C	Grand Slam-3D w/ 8 inserts SW14	1¼"	8"-16"	\$ 1,325.00	\$ 54.00

Super Slam-3D

1-0110-6020-C	Super Slam-3D w/ 12 inserts SW14	1"	12"-36"	\$ 1,590.00	\$ 54.00
1-0110-8020-C	Super Slam-3D w/ 12 inserts SW14	1"	12"-36"	\$ 1,590.00	\$ 54.00
1-0111-10020-C	Super Slam-3D w/ 12 inserts SW14	1¼"	12"-36"	\$ 1,590.00	\$ 54.00

Superior Penetrator-3D

1-0120-5030-C	Superior Penetrator-3D w/ 9 inserts M8	¾"	6"-15"	\$ 799.00	\$ 31.00
1-0121-6020-C	Superior Penetrator-3D w/ 9 inserts M8	1"	6"-15"	\$ 799.00	\$ 31.00
1-0121-8020-C	Superior Penetrator-3D w/ 9 inserts M8	1"	6"-15"	\$ 799.00	\$ 31.00
1-0122-10020-C	Superior Penetrator-3D w/ 9 inserts M8	1¼"	6"-15"	\$ 870.00	\$ 31.00

Standard Nozzle

1-0129-12	Standard w/ forward jet, drilled	3/8"		\$ 97.00	
1-0130-0840	Standard w/ forward jet, drilled	¼"	2"-4"	\$ 97.00	
1-0131-1840	Standard w/ forward jet, drilled	½"	4"-6"	\$ 119.00	
1-0132-5030-S	Standard w/ forward jet & 7 inserts M6	¾"	6"-8"	\$ 159.00	\$ 12.00
1-0133-6020-S	Standard w/ forward jet & 11 inserts M6	1"	8"-12"	\$ 272.00	\$ 12.00
1-0133-8020-S	Standard w/ forward jet & 11 inserts M6	1"	8"-12"	\$ 272.00	\$ 12.00
1-0134-8020-S	Standard w/ forward jet & 11 inserts M6	1¼"	8"-12"	\$ 359.00	\$ 12.00

Rotor Nozzle

1-0139-1225	Rotor nozzle drilled	3/8"		\$ 414.00	
1-0140-0840	Rotor nozzle drilled	¼"	2"-4"	\$ 414.00	
1-0141-1840-C	Rotor nozzle w/ 6 inserts M6	½"	4"-8"	\$ 646.00	\$ 22.00
1-0142-5030-C	Rotor nozzle w/ 9 inserts M6	¾"	6"-8"	\$ 823.00	\$ 22.00
1-0143-6020-C	Rotor nozzle w/ 9 inserts M6	1"	8"-12"	\$ 1,445.00	\$ 22.00
1-0143-8020-C	Rotor nozzle w/ 9 inserts M6	1"	8"-12"	\$ 1,445.00	\$ 22.00
1-0144-10020-C	Rotor nozzle w/ 9 inserts M12	1¼"	12" & up	\$ 1,865.00	\$ 47.00

Rocker Nozzle

1-0150-1840-C	Rocker nozzle w/ 6 inserts M6	½"	4"	\$ 763.00	\$ 22.00
1-0151-5030-C	Rocker nozzle w/ 9 inserts M6	¾"	6"	\$ 954.00	\$ 22.00
1-0152-6020-C	Rocker nozzle w/ 9 inserts M6	1"	8"-12"	\$ 1,708.00	\$ 22.00
1-0152-8020-C	Rocker nozzle w/ 9 inserts M6	1"	8"-12"	\$ 1,708.00	\$ 22.00
1-0153-10020-C	Rocker nozzle w/ 9 inserts M12	1¼"	12" & up	\$ 3,570.00	\$ 47.00

Aluminum Flying Nozzle-3D

1-0160-5030-S	Aluminum Flying-3D w/ 8 inserts M8	¾"	6"-10"	\$ 470.00	\$ 18.00
1-0161-6020-S	Aluminum Flying-3D w/ 8 inserts M8	1"	6"-12"	\$ 470.00	\$ 18.00
1-0161-8020-S	Aluminum Flying-3D w/ 8 inserts M8	1"	6"-12"	\$ 470.00	\$ 18.00

** C = Ceramic inserts, S = Steel inserts

Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ inserts/ea.
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Flying Nozzle-3D

1-0162-1840-C	Flying nozzle-3D w/ 6 inserts M6	½"	4"-8"	\$ 373.00	\$ 22.00
1-0163-5030-C	Flying nozzle-3D w/ 8 inserts M8	¾"	6"-10"	\$ 716.00	\$ 31.00
1-0164-6020-C	Flying nozzle-3D w/ 8 inserts M8	1"	6"-12"	\$ 887.00	\$ 31.00
1-0164-8020-C	Flying nozzle-3D w/ 8 inserts M8	1"	6"-12"	\$ 887.00	\$ 31.00
1-0165-5030-C	Flying nozzle-3D (large) w/ 8 inserts SW14	¾"	8"-15"	\$ 989.00	\$ 54.00
1-0166-6020-C	Flying nozzle-3D (large) w/ 8 inserts SW14	1"	8"-15"	\$ 989.00	\$ 54.00
1-0166-8020-C	Flying nozzle-3D (large) w/ 8 inserts SW14	1"	8"-15"	\$ 989.00	\$ 54.00
1-0167-10020-C	Flying nozzle-3D (large) w/ 8 inserts SW14	1¼"	12" & up	\$ 989.00	\$ 54.00

Radial Cleaning Nozzle-3D

1-0169-5030-C	Radial cleaning-3D w/ 5 inserts M8 5 inserts SS Fan jet	¾"	6"-12"	\$ 1,295.00	\$ 31.00 \$ 37.00
1-0170-6020-C	Radial cleaning-3D w/ 6 inserts M8 6 inserts SS Fan jet	1"	8"-20"	\$ 1,295.00	\$ 31.00 \$ 37.00
1-0170-8020-C	Radial cleaning-3D w/ 6 inserts M8 6 inserts SS Fan jet	1"	8"-20"	\$ 1,295.00	\$ 31.00 \$ 37.00

Cleaning Nozzle-3D

1-0180-1840-C	Cleaning nozzle-3D w/ 7 inserts M6	½"	4"-8"	\$ 373.00	\$ 22.00
1-0181-5030-C	Cleaning nozzle-3D w/ 9 inserts M8	¾"	6"-10"	\$ 716.00	\$ 31.00
1-0182-6020-C	Cleaning nozzle-3D w/ 9 inserts M8	1"	6"-12"	\$ 887.00	\$ 31.00
1-0182-8020-C	Cleaning nozzle-3D w/ 9 inserts M8	1"	6"-12"	\$ 887.00	\$ 31.00
1-0183-6020-C	Cleaning nozzle-3D (large) w/ 11 inserts M8	1"	8"-15"	\$ 989.00	\$ 31.00
1-0183-8020-C	Cleaning nozzle-3D (large) w/ 11 inserts M8	1"	8"-15"	\$ 989.00	\$ 31.00

FJ Penetrator Nozzle-3D

1-0189-1240	FJ Penetrator	3/8"		\$ 342.00	
1-0190-0840-C	FJ Penetrator-3D w/ 10 nozzle inserts M6	¼"	2"-4"	\$ 342.00	\$ 22.00
1-0191-1840-C	FJ Penetrator-3D w/ 10 nozzle inserts M6	½"	4"-8"	\$ 444.00	\$ 31.00
1-0192-5030-C	FJ Penetrator-3D w/ 12 nozzle inserts M8	¾"	4"-12"	\$ 682.00	\$ 31.00
1-0193-6020-C	FJ Penetrator-3D w/ 12 nozzle inserts M8	1"	6"-15"	\$ 887.00	\$ 31.00
1-0193-8020-C	FJ Penetrator-3D w/ 12 nozzle inserts M8	1"	6"-15"	\$ 887.00	\$ 31.00

Chisel Nozzles

Chisel Nozzle w/ forward jets

1-0199-1225	Chisel nozzle	3/8"		\$ 145.00	
1-0200-0840	Chisel nozzle drilled	¼"	2"-4"	\$ 145.00	
1-0201-1840-S	Chisel nozzle drilled, 3 x M5, 1X M6	½"	4"-6"	\$ 225.00	\$ 12.00
1-0202-5030-S	Chisel nozzle w/ 10 inserts M6	¾"	6"-12"	\$ 345.00	\$ 12.00
1-0203-6020-S	Chisel nozzle w/ 11 inserts M6, 1 M10	1"	8"-15"	\$ 395.00	\$ 12.00/22.00
1-0203-8020-S	Chisel nozzle w/ 11 inserts M6, 1 x M10	1"	8"-15"	\$ 395.00	\$ 12.00/22.00

Chisel Nozzle w/ forward jets and drill point

1-0210-1840-S	Chisel w/ forward & drill w/ 3 inserts M5	½"	4"-6"	\$ 217.00	\$ 12.00
1-0211-5030-S	Chisel w/ forward & drill w/ 10 inserts M6	¾"	6"-12"	\$ 358.00	\$ 12.00
1-0212-6020-S	Chisel w/ forward & drill w/ 11 inserts M6	1"	8"-15"	\$ 416.00	\$ 12.00
1-0212-8020-S	Chisel w/ forward & drill w/ 11 inserts M6	1"	8"-15"	\$ 416.00	\$ 12.00

Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ inserts/ea.
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Ultimate Chisel Nozzle w/ forward jet and drill point

1-0219-5030-S	Ultimate chisel w/ 4 inserts M8, 6 inserts SW14	3/4"	8"-12"	\$ 895.00	\$18.00/22.00
1-0220-6020-S	Ultimate chisel w/ 4 inserts M8, 6 inserts SW14	1"	8"-15"	\$ 895.00	\$18.00/22.00
1-0220-8020-S	Ultimate chisel w/ 4 inserts M8, 6 inserts SW14	1"	8"-24"	\$ 895.00	\$18.00/22.00
1-0221-10020-S	Ultimate chisel w/ 4 inserts M8, 6 inserts SW14	1 1/4"	12" and up	\$ 925.00	\$18.00/22.00

Drill Point

1-0226	Drill point for Chisel 1/2" & 3/4" w/ forward jets	\$ 27.00
1-0225	Drill point for Chisel / Ultimate Chisel 1"	\$ 37.00

Digger nozzle

1-0230-1840-S	Digger nozzle w/ 7 inserts M6	1/2"	4"-8"	\$ 239.00	\$ 12.00
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Dredger Nozzle

1-0300-6020-C	Dredger nozzle 6 jets w/ 6 inserts SW14	1"	12"-18"	\$ 2,830.00	\$ 54.00
1-0300-8020-C	Dredger nozzle 6 jets w/ 6 inserts SW14	1"	12"-18"	\$ 2,830.00	\$ 54.00
1-0301-6020-C	Dredger nozzle 8 jets w/ 8 inserts SW14	1"	12"-28"	\$ 3,150.00	\$ 54.00
1-0301-8020-C	Dredger nozzle 8 jets w/ 8 inserts SW14	1"	12"-28"	\$ 3,150.00	\$ 54.00
1-0302-6020-C	Dredger nozzle 10 jets w/ 10 inserts SW14	1"	18"-36"	\$ 3,620.00	\$ 54.00
1-0302-8020-C	Dredger nozzle 10 jets w/ 10 inserts SW14	1"	18"-36"	\$ 3,620.00	\$ 54.00
1-0303-8020-C	Dredger nozzle 14 jets w/ 14 inserts SW14	1"-1 1/4"	20" and up	\$ 4,200.00	\$ 54.00
1-0303-10020-C	Dredger nozzle 14 jets w/ 14 inserts SW14	1"-1 1/4"	20" and up	\$ 4,200.00	\$ 54.00

1-0305	Y-Connector for Tandem dredger nozzle incl. hose coupling and 1 1/4" HP-swivel joint			\$ 983.00	
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Venturi Nozzle

1-0310-6012	Venturi nozzle I, single barrel Ø 5"	1"	32"-48"	\$ 4,524.00	
1-0311-8012	Venturi nozzle II, single barrel Ø 6.2"	1"	32"-56"	\$ 5,649.00	
1-0312-8012	Venturi nozzle III, double barrel Ø 5"/ea.	1 1/4"	48" and up	\$ 6,786.00	
1-0321-10012	Venturi nozzle III, double barrel Ø 5"/ea.	1 1/4"	48" and up	\$ 6,786.00	

Pipe Wolf-3D

1-0319-1225	Pipe Wolf	3/8"		\$ 985.00	
1-0320-1840-C	Pipe Wolf w/ 9 inserts M6	1/2"	4"-6"	\$ 1,035.00	\$ 22.00
1-0321-5030-C	Pipe Wolf w/ 3 Inserts M6 / 6 inserts M8	3/4"	6"-15"	\$ 1,720.00	\$ 22.00 \$ 31.00
1-0321-6020-C	Pipe Wolf w/ 3 inserts M6 / 6 inserts M8	1"	6"-15"	\$ 1,720.00	\$ 22.00 \$ 31.00
1-0321-8020-C	Pipe Wolf w/ 3 inserts M6 / 6 inserts M8	1"	8" and up	\$ 1,720.00	\$ 22.00 \$ 31.00
1-0322-8020-C	Pipe Wolf w/ 6 inserts M12, 3 inserts M6	1 1/4"	10"-24"	\$ 2,846.00	\$ 47.00 \$ 22.00
1-0322-10020-C	Pipe Wolf w/ 6 inserts M12, 3 inserts M6	1 1/4"	12" and up	\$ 2,846.00	\$ 47.00 \$ 22.00

** C= Ceramic inserts, S= steel inserts

Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ inserts/ea.
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Alphajet

1-0350	Alphajet	¾"-1"		\$ 2,995.00	
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Antiblaster-3D

1-0361-5030-C	Antiblaster-3D w/ 9 inserts M8	¾"	6"-12"	\$ 716.00	\$ 31.00
1-0362-6020-C	Antiblaster-3D w/ 9 inserts M8	1"	6"-12"	\$ 887.00	\$ 31.00
1-0362-8020-C	Antiblaster-3D w/ 9 inserts M8	1"	8"-12"	\$ 887.00	\$ 31.00

Nozzle Cases

Nozzle case 1/2"

1-0500-C	Primus nozzle™-3D			\$ 1,290.00	
1-0180-C	Cleaning nozzle-3D			\$ 373.00	
1-0162-C	Flying nozzle-3D			\$ 373.00	
1-0201-S	Chisel nozzle w/ forward jet			\$ 225.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 2,458.00	

1-0400-C	Turbo 0			\$ 1,225.00	
1-0320-C	Pipe Wolf			\$ 1,035.00	
1-0180-C	Cleaning nozzle-3D			\$ 373.00	
1-0162-C	Flying nozzle-3D			\$ 373.00	
1-0500-C	Primus nozzle™-3D			\$ 1,290.00	
1-0201-S	Chisel nozzle w/ forward jet			\$ 225.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 4,718.00	

Nozzle case 3/4"

1-0501-C	Primus nozzle™-3D			\$ 1,710.00	
1-0321-C	Pipe Wolf			\$ 1,720.00	
1-0181-C	Cleaning nozzle-3D			\$ 716.00	
1-0163-C	Flying nozzle-3D			\$ 716.00	
1-0202-S	Chisel nozzle w/ forward jet			\$ 345.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 5,404.00	

Nozzle case 1"

1-0182-C	Cleaning nozzle-3D			\$ 887.00	
1-0164-C	Flying nozzle-3D			\$ 887.00	
1-0143-C	Rotor nozzle			\$ 1,445.00	
1-0203-S	Chisel nozzle w/ forward jet			\$ 416.00	
1-0220-S	Ultimate chisel nozzle			\$ 895.00	
1-0362-C	Anti Blaster-3D			\$ 887.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 5,614.00	

Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ inserts/ea.
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Nozzle case 1"

1-0502-C	Primus nozzle™-3D			\$ 2,299.00	
1-0321-C	Pipe Wolf			\$ 1,720.00	
1-0182-C	Cleaning nozzle-3D			\$ 887.00	
1-0164-C	Flying nozzle-3D			\$ 887.00	
1-0203-S	Chisel nozzle w/ forward jet			\$ 395.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 6,385.00	

1-0502-C	Primus nozzle™-3D			\$ 2,299.00	
1-0321-C	Pipe Wolf			\$ 1,720.00	
1-0101-C	Grand Slam nozzle-3D			\$ 1,299.00	
1-0121-C	Superior Penetrator-3D			\$ 870.00	
1-0220-S	Ultimate chisel nozzle			\$ 895.00	
3-09603	Nozzle case			\$ 197.00	
Total				\$ 7,280.00	

*** Please note: Content of nozzle case may vary as per customers request!

Turbo Chain Cutters

Turbo 0

1-0400-1840-C	Turbo 0 w/ 6 inserts M6	$\frac{1}{2}$ "	4"	\$ 1,225.00	\$ 22.00
1-0424	4' replacement chain			\$ 40.00	
1-0456	Chain retainer			\$ 80.00	
1-0467	Chain retainer w/ chain		4"	\$ 117.00	
1-0468	Chain retainer w/ chain & bits		4"	\$ 139.00	
1-0469	Chain retainer w/ chain & bits		6"	\$ 152.00	
1-0470	Guide skid		4"	\$ 195.00	
1-0471	Guide skid		6"	\$ 255.00	
1-0490	Quick change retainer w/ special guide skid			\$ 226.00	

Turbo I w/ rigid guide skid

1-0401-1840-C	Turbo w/ ridged guide skid 4"	$\frac{1}{2}$ " - $\frac{3}{4}$ "	4" + 6"	\$ 2,463.00	
1-0406	Guide skid		4"	\$ 235.00	
1-0407	Guide skid		6"	\$ 290.00	
1-0411	Chain retainer w/ chain & bits		6"	\$ 102.00	
1-0424	4' replacement chain			\$ 40.00	

Part No.	Description	Hose Connection	Pipe Ø	Price US\$	price US\$ inserts/ea.
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Turbo II w/ rigid guide skid

1-0402-5030-C	Turbo w/ rigid guide skid/ 3 M6, 3 M12 inserts	¾"	6"-12"	\$ 2,975.00	\$ 22.00 \$ 47.00
1-0402-6020-C	Turbo w/ rigid guide skid/ 3 M6, 3 M12 inserts	1"	6"-12"	\$ 2,975.00	\$ 22.00 \$ 47.00
1-0402-8020-C	Turbo w/ rigid guide skid/ 3 M6, 3 M12 inserts	1"	6"-12"	\$ 2,975.00	\$ 22.00 \$ 47.00
1-0407	Guide skid		6"	\$ 303.00	
1-0408	Guide skid		8"	\$ 394.00	
1-0409	Guide skid		10"	\$ 546.00	
1-0410	Guide skid		12"	\$ 657.00	
1-0425	Replacement chain 6'			\$ 51.00	

Turbo II w/ flexible guide skid

1-0403-6020-C	Turbo II w/ flexible guide skid, 3 M6, 3M12 inserts	1"	6"-12"	\$ 4,720.00	\$ 22.00 \$ 47.00
1-0403-8020-C	Turbo II w/ flex guide skid, 3 M6, 3M 12 inserts	1"	6"-12"	\$ 4,720.00	\$ 22.00 \$ 47.00
1-0425	Replacement chain 6'			\$ 51.00	
1-0439	Bits for chain			\$ 7.50/ea.	
1-0411	Bolts for chain			\$ 4.00/ea.	
1-0462	Diamond tap cutter		6"	\$ 1,090.00	
1-0463	Diamond tap cutter		8"	\$ 1,298.00	
1-0462-PVC	PVC tap cutter		6"	\$ 777.00	
1-0463-PVC	PVC tap cutter		8"	\$ 987.00	
1-0490	Extension kit (3 pieces) up to 15" sewer line			\$ 1,032.00	
2-04029	Carbide bit w/ hole for chain			\$ 46.00/ea.	

Turbo III w/ flexible guide skid

1-0404-6020-C	Turbo III w/ flex guide skid, 6 M12 inserts	1"	10"-20"	\$ 7,100.00	\$ 47.00
1-0404-8020-C	Turbo III w/ flex guide skid, 6 M12 inserts	1"	10"-20"	\$ 7,100.00	\$ 47.00
1-0404-10020-C	Turbo III w/ flex guide skid, 6 M12 inserts	1½"	10"-20"	\$ 7,100.00	\$ 47.00
1-0422	Chain retainer wheel for larger pipe, SS		11.5"	\$ 1,643.00	
1-0426	replacement chain 6'			\$ 195.00	
1-0440	Bits for chain			\$ 7.50/ea.	
1-0443	Extension kit (3 pieces) up to 29" sewer line		21"-29"	\$ 1,888.00	
1-0464	Diamond tap cutter		10"	\$ 1,542.00	
1-0465-3	Diamond tap cutter		12"	\$ 1,886.00	
2-04071	Carbide bit large f/ chain			\$ 126.00/ea.	
2-04070	Bolt black f/ chain			\$ 26.00/ea.	

Turbo IV w/ flexible guide skid

1-0405-8020-C	Turbo w/ flex guide skid , 6 M12, 3 SW14	1"	15"-36"	\$ 15,895.00	\$ 47.00 \$ 54.00
1-0405-10020-C	Turbo w/ flex guide skid , 6 M12, 3 SW14	1½"	15"-36"	\$ 15,895.00	\$ 47.00 \$ 54.00
1-0426	6' replacement chain			\$ 195.00	
1-0446	HP-swivel joint w/ pulling eye			\$ 389.00	
1-0422	Chain retainer f/ larger pipes SS w/o chain		11.5"	\$ 1,643.00	
1-0477	Chain retainer f/ larger pipes SS w/o chain		19.45"	\$ 1,990.00	
1-0465	Diamond tap cutter		12"	\$ 1,886.00	
1-0466	Diamond tap cutter		15"	\$ 2,424.00	

* Please note 8", 10" und 12" skids are sold separately

Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ inserts/ea.
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Turbo S400 w/ flexible guide skid

1-0480-5030-C	Turbo S400 w/ flexible guide skid w 6 M12	¾"	8"-16"	\$ 5,560.00	\$ 47.00
1-0480-6020-C	Turbo S400 w/ flexible guide skid w 6 M12	1"	8"-16"	\$ 5,560.00	\$ 47.00
1-0480-8020-C	Turbo S400 w/ flexible guide skid w 6 M12	1"	8"-16"	\$ 5,560.00	\$ 47.00
1-0425	Replacement Chain			\$ 51.00	
1-0485	Pulling eye			\$ 801.00	
1-0486	Extension kit up to 24" sewer line		24"	\$ 1,691.00	
1-0487	Diamond tap cutter		8"	\$ 1,536.00	
1-0488	Diamond tap cutter		10"	\$ 1,772.00	
1-0489	Diamond tap cutter		12"	\$ 2,009.00	
2-04072	Carbide bit w/ hole			\$ 79.00/ea.	
1-0465-PVC	PVC tap cutter		8"	\$ 987.00	
1-0466-PVC	PVC tap cutter		10"	\$ 1,179.00	

Accessories for Turbo chain cutters

Turbo 0

1-0430-T0	Bag of chain w/ bits		4"	\$ 192.00	
1-0431-T0	Bag of chain w/ bits		6"	\$ 214.00	

Turbo II

Single quick chain retainer w/o chain				\$ 145.00	
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1-0411-QC	chain w/ bits for quick chain retainer 3 pc/set		6"	\$ 33.00	
1-0412-QC	chain w/ bits for quick chain retainer 3 pc/set		8"	\$ 36.00	
1-0413-QC	chain w/ bits for quick chain retainer 3 pc/set		10"	\$ 43.00	
1-0414-QC	chain w/ bits for quick chain retainer 3 pc/set		12"	\$ 50.00	

Skids for corrugated pipe				\$ 127.00/ea. \$ 380.00/set	
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Turbo III

Single quick chain retainer w/o chain				\$ 359.00	
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1-0415-QC	chain w/ bits for quick chain retainer 3 pc/set		10"	\$ 80.00	
1-0416-QC	chain w/ bits for quick chain retainer 3 pc/set		12"	\$ 102.00	
1-0417-QC	chain w/ bits for quick chain retainer 3 pc/set		15"	\$ 138.00	
1-0418-QC	chain w/ bits for quick chain retainer 3 pc/set		18"	\$ 163.00	
1-0419-QC	chain w/ bits for quick chain retainer 3 pc/set		20"	\$ 185.00	
1-0420-QC	chain w/ bits for wheel / set		24"	\$ 284.00	
1-0421-QC	chain w/ bits for wheel / set		28"	\$ 253.00	
1-0422-QC	chain w/ bits for wheel / set		30"	\$ 272.00	

Skids for corrugated pipe				\$ 217.00/ea. \$ 652.00/set	
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Accessories for Turbo chain cutters

Turbo S400

1-0491	Single quick chain retainer w/o chain			\$	188.00
1-0492	chain w/ bits for quick chain retainer 3 pc/set		8"	\$	65.00
1-0493	chain w/ bits for quick chain retainer 3 pc/set		10"	\$	72.00
1-0494	chain w/ bits for quick chain retainer 3 pc/set		12"	\$	95.00
1-0495	chain w/ bits for quick chain retainer 3 pc/set		15"	\$	120.00
1-0496	chain w/ bits for quick chain retainer 3 pc/set		18"	\$	148.00
1-0497	chain w/ bits for quick chain retainer 3 pc/set		21"	\$	174.00
1-0498	chain w/ bits for quick chain retainer 3 pc/set		24"	\$	210.00

Skids for corrugated pipe				\$	163.00/ea.
				\$	489.00/set

Turbo IV

1-0424-QC	chain w/ bits for wheel / set		32"	\$	290.00
1-0425-QC	chain w/ bits for wheel / set		36"	\$	344.00

1-0472	Jig for Turbo 0 & I			\$	250.00
1-0473	Jig for Turbo II			\$	194.00
1-0478-T2	Manganese bit w/o chain, ea.			\$	116.00
1-0478-S400	Manganese bit w/o chain, ea.			\$	116.00
1-0478-T3	Manganese bit w/o chain, ea.			\$	116.00
1-0479-T2	Bit w/ 2 bolts, 3 pc/set			\$	195.00
1-0479-S400	Bit w/ 2 bolts, 3 pc/set			\$	250.00
1-0479-T3	Bit w/ 2 bolts, 3 pc/set			\$	326.00

Part No.	Description	Hose Connection	Pipe Ø	Price U\$	price U\$ inserts/ea.
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Primus Nozzle™-3D

1-0500-1840-C	Primus nozzle™ w/ 5 inserts M6	½"	4"-8"	\$	1,290.00	\$	22.00
1-0501-5030-C	Primus nozzle™ w/ 9 inserts M6	¾"	6"-12"	\$	1,710.00	\$	22.00
1-0502-6020-C	Primus nozzle™ w/ 11 inserts M6	1"	6"-15"	\$	2,299.00	\$	22.00
1-0502-8020-C	Primus nozzle™ w/ 11 inserts M6	1"	6"-15"	\$	2,299.00	\$	22.00
1-0503-8020-C	Primus nozzle™ w/ 9 inserts SW14, 1 x M10	1¼"	12" & up	\$	3,550.00	\$	54.00
						\$	47.00
1-0503-10020-C	Primus nozzle™ w/ 9 inserts SW14, 1 x M10	1¼"	12" & up	\$	3,550.00	\$	54.00
						\$	47.00

1-0503	Guide skid		6"-8"	\$	417.00		
1-0504	Guide skid		8"-12"	\$	507.00		
1-0505	Guide skid		12"-15"	\$	688.00		
1-0510	Guide skid Primus III			\$	634.00		
1-0506	Ceramic nozzle inserts f/ Primus 1", 2" long G ½"					\$	42.00/ea.
1-0507	Ceramic nozzle inserts f/ Primus 1", 4" long G ½"					\$	48.00/ea.
1-0508	SS cleaning head w/ extended ceramic inserts 1"					\$	562.00
1-0509	Rubber head 1"					\$	38.00
1-0511	Rubber head 1 1/4"					\$	56.00

Nozzle Inserts & Accessories

Ceramic Nozzle Inserts

Part No.	Description	Price U\$
1-09400	Nozzle inserts M6	\$ 22.00
1-09401	Nozzle inserts M8	\$ 31.00
1-09402	Nozzle inserts M10	\$ 47.00
1-09403	Nozzle inserts M12	\$ 47.00
1-09404	Nozzle inserts SW 14	\$ 54.00

Stainless Steel nozzle inserts

1-09405	Nozzle inserts M5	\$ 12.00
1-09406	Nozzle inserts M6	\$ 12.00
1-09407	Nozzle inserts M8	\$ 18.00
1-09408	Nozzle inserts M10	\$ 22.00
1-09409	Nozzle inserts M12	\$ 22.00
1-09410	Nozzle inserts SW 14	\$ 22.00
1-09411	Fan jet	\$ 37.00

Swivels

3-09400	Swivel joint ½"	\$ 248.00
3-09401	Swivel joint ¾"	\$ 328.00
3-09402	Swivel joint 1"	\$ 380.00
3-09403	Swivel joint 1 ¼"	\$ 552.00
3-09104	Pulling swivel for milling cutter	\$ 304.00

Collars

	1/2" to 3/4", 1" to 1", 1" to 1 1/4"	
	Please call for pricing and availability	

Bushings

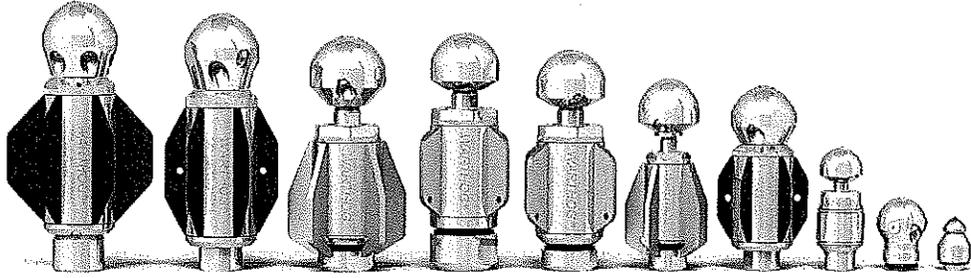
1-09500	Bushing ½" – ¾"	\$ 36.00
1-09501	Bushing ¾" – 1"	\$ 29.00
1-09502	Bushing ¾" – 1"	\$ 55.00
1-09503	Bushing 1" – ¾"	\$ 32.00
1-09504	Bushing 1" – 1 ¼"	\$ 73.00
1-09505	Bushing 1 ¼" – 1"	\$ 45.00

Accessories

3-09600	Tiger Tails	\$ 74.00
3-09601	Pipe wrench	\$ 62.00
3-09602	Pulling eye M8	\$ 23.00
3-09603	Nozzle case	\$ 217.00
3-09604	Tip cleaner	\$ 22.00
3-09605	Bottle of Teflon	\$ 28.00
3-09606	insert gauges small or large	\$ 18.00

Flexible guide skid

Part No.	Description	Pipe Ø	Price U\$
1-0940	Flexible guide skid	6"-12"	\$ 2,045.00
1-0941	Flexible guide skid	10"-20"	\$ 3,623.00
1-0942	Tear drop shape skid	10"-48"	\$ 1,998.00



SEWER TOOLS

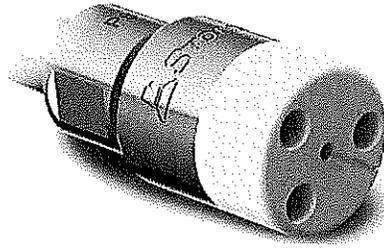
PRICE REFERENCE GUIDE

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Fixed Packages

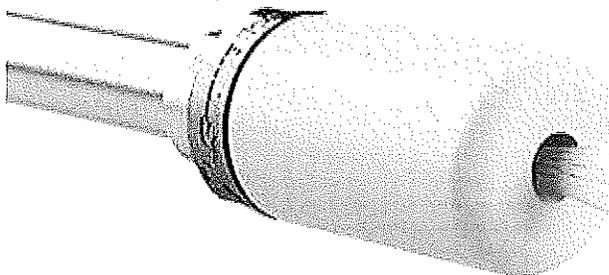
<u>HX-101-PKG</u>	Hydro-Excavation 1 Port Package	Qty	MSRP	Extended
HX-101	Single Head Assy	1	\$ 215	\$ 215
OCHH ???	Int Hex Holder+Carbide	1	\$ 33	\$ 33
				\$ 248

<u>HX-102-PKG</u>	Double Head Assy Package	Qty	MSRP	Extended
HX-102	Double Head Assy	1	\$ 250	\$ 250
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 304

<u>HX-103-PKG</u>	Hydro-Excavation 3 Port Package	Qty	MSRP	Extended
HX-103S	Triple Straight Head Assy	1	\$ 275	\$ 275
AP2 ???	Attack Tip, 1/8 NPT	3	\$ 27	\$ 81
				\$ 356

Rotary Packages

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
HXR-300-5	HX Rotary Tool Assembly, Purple	\$ 499
HXR-300-8	HX Tool Assembly Black	\$ 499
HXR-300-10	HXR Tool Assembly White	\$ 499



Tool Kits

HXR 610-5	Kit, Nozzle Assembly	Qty	MSRP	Extended
HXR 315-5	Nozzle, Stem Assembly as purchased	1	\$ 140	\$ 140
HXR 312	Nozzle, Seat Assembly as purchased	1	\$ 105	\$ 105
HXR 306-5	ID Ring, 1.75OD, Purple	1	\$ 6	\$ 6
CAT 364	Oring, 1inOD, 90D	1	\$ 1	\$ 1
				\$ 252

HXR 610-8	Kit, Nozzle Assembly	Qty	MSRP	Extended
HXR 315-8	Nozzle, Stem Assembly	1	\$ 140	\$ 140
HXR 312	Nozzle, Seat Assembly as purchased	1	\$ 105	\$ 105
HXR 306-8	ID Ring, 1.75OD, Black, HDPE	1	\$ 6	\$ 6
CAT 364	Oring, 1inOD, 90D	1	\$ 1	\$ 1
				\$ 252

HXR 610-10	Kit, Nozzle Assembly	Qty	MSRP	Extended
HXR 315-10	Nozzle, Stem Assembly	1	\$ 140	\$ 140
HXR 312	Nozzle, Seat Assembly as purchased	1	\$ 105	\$ 105
HXR 306-10	ID Ring, 1.75OD, White	1	\$ 6	\$ 6
CAT 364	Oring, 1inOD, 90D	1	\$ 1	\$ 1
				\$ 252

HXR 615-5	Kit, Shield and Oring	Qty	MSRP	Extended
HXR 310	Shield, Cap, Poly, Yellow	1	\$ 30	\$ 30
RJ 008	O-Ring	1	\$ 1	\$ 1
HXR 306-5	ID Ring, 1.75OD, Purple	1	\$ 6	\$ 6
				\$ 37

HXR 615-8	Kit, Shield and Oring	Qty	MSRP	Extended
HXR 310	Shield, Cap, Poly, Yellow	1	\$ 30	\$ 30
RJ 008	O-Ring	1	\$ 1	\$ 1
HXR 306-8	ID Ring, 1.75OD, Black, HDPE	1	\$ 6	\$ 6
				\$ 37

HXR 615-10	Kit, Shield and Oring	Qty	MSRP	Extended
HXR 310	Shield, Cap, Poly, Yellow	1	\$ 30	\$ 30
RJ 008	O-Ring	1	\$ 1	\$ 1
HXR 306-10	ID Ring, 1.75OD, White	1	\$ 6	\$ 6
				\$ 37

Nozzles - AP2

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
AP2 ???	Attack Tip, 1/8 NPT	\$ 27
AP2 018	Attack Tip, 1/8 NPT	\$ 27
AP2 020	Attack Tip, 1/8 NPT	\$ 27
AP2 022	Attack Tip, 1/8 NPT	\$ 27
AP2 024	Attack Tip, 1/8 NPT	\$ 27
AP2 026	Attack Tip, 1/8 NPT	\$ 27
AP2 029	Attack Tip, 1/8 NPT	\$ 27
AP2 032	Attack Tip, 1/8 NPT	\$ 27
AP2 035	Attack Tip, 1/8 NPT	\$ 27
AP2 038	Attack Tip, 1/8 NPT	\$ 27
AP2 042	Attack Tip, 1/8 NPT	\$ 27
AP2 047	Attack Tip, 1/8 NPT	\$ 27
AP2 052	Attack Tip, 1/8 NPT	\$ 27
AP2 057	Attack Tip, 1/8 NPT	\$ 27
AP2 063	Attack Tip, 1/8 NPT	\$ 27
AP2 069	Attack Tip, 1/8 NPT	\$ 27
AP2 075	Attack Tip, 1/8 NPT	\$ 27
AP2 082	Attack Tip, 1/8 NPT	\$ 27
AP2 090	Attack Tip, 1/8 NPT	\$ 27
AP2 098	Attack Tip, 1/8 NPT	\$ 27
AP2 106	Attack Tip, 1/8 NPT	\$ 27
AP2 115	Attack Tip, 1/8 NPT	\$ 27
AP2 125	Attack Tip, 1/8 NPT	\$ 27
AP2 135	Attack Tip, 1/8 NPT	\$ 27
AP2 145	Attack Tip, 1/8 NPT	\$ 27
AP2 155	Attack Tip, 1/8 NPT	\$ 27
AP2 165	Attack Tip, 1/8 NPT	\$ 27

Nozzles - OCIH

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
OCIH ???	Int Hex Holder+Carbide	\$ 33
OCIH 024	Int Hex Holder+Carbide	\$ 33
OCIH 028	Int Hex Holder+Carbide	\$ 33
OCIH 031	Int Hex Holder+Carbide	\$ 33
OCIH 036	Int Hex Holder+Carbide	\$ 33
OCIH 039	Int Hex Holder+Carbide	\$ 33
OCIH 043	Int Hex Holder+Carbide	\$ 33
OCIH 047	Int Hex Holder+Carbide	\$ 33
OCIH 055	Int Hex Holder+Carbide	\$ 33
OCIH 062	Int Hex Holder+Carbide	\$ 33
OCIH 067	Int Hex Holder+Carbide	\$ 33
OCIH 073	Int Hex Holder+Carbide	\$ 33
OCIH 078	Int Hex Holder+Carbide	\$ 33
OCIH 089	Int Hex Holder+Carbide	\$ 33
OCIH 093	Int Hex Holder+Carbide	\$ 33
OCIH 106	Int Hex Holder+Carbide	\$ 33
OCIH 109	Int Hex Holder+Carbide	\$ 33
OCIH 125	Int Hex Holder+Carbide	\$ 33
OCIH 130	Int Hex Holder+Carbide	\$ 33
OCIH 140	Int Hex Holder+Carbide	\$ 33
OCIH 156	Int Hex Holder+Carbide	\$ 33
OCIH 165	Int Hex Holder w/Carbide	\$ 33

All Parts

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
HX-101-PKG	Hydro-Excavation 1 Port Package	\$ 248
HX-102-PKG	Double Head Assy Package	\$ 302
HX-103-PKG	Hydro-Excavation 3 Port Package	\$ 356
HXR-300-5	HX Rotary Tool Assembly, Purple	\$ 499
HXR-300-8	HX Tool Assembly Black	\$ 499
HXR-300-10	HXR Tool Assembly White	\$ 499
CAT 364	Oring, 1inOD, 90D	\$ 1
HX 140-1	Head, Single Straight	\$ 155
HX 140-2	Head, Double, Straight	\$ 170
HX 140-3S	Head, Triple Straight	\$ 190
HX 152-1	Shield, Single Head	\$ 62
HX 152-2	Shield, Double Head	\$ 77
HX 152-3S	Shield, Triple Head	\$ 84
HX-101	Single Head Assy	\$ 215
HX-102	Double Head Assy	\$ 250
HX-103S	Triple Straight Head Assy	\$ 275
HXR 302-P8	OBS USE HXR 302-P8-B/C Inlet Nut, P8	\$ 92
HXR 303	Body, HXR	\$ 145
HXR 306-10	ID Ring, 1.75OD, White	\$ 6
HXR 306-5	ID Ring, 1.75OD, Purple	\$ 6
HXR 306-8	ID Ring, 1.75OD, Black, HDPE	\$ 6
HXR 310	Shield, Cap, Poly, Yellow	\$ 30
HXR 312	Nozzle, Seat Assembly as purchased	\$ 105
HXR 315-10	Nozzle, Stem Assembly	\$ 140
HXR 315-5	Nozzle, Stem Assembly as purchased	\$ 140
HXR 315-8	Nozzle, Stem Assembly	\$ 140
RJ 008	O-Ring	\$ 1
TB 050	SHCS,1/4-20 x 3/4 SS	\$ 1
HXR 610-5	Kit, Nozzle Assembly	\$ 252
HXR 610-8	Kit, Nozzle Assembly	\$ 252
HXR 610-10	Kit, Nozzle Assembly	\$ 252
HXR 615-5	Kit, Shield and Oring	\$ 37
HXR 615-8	Kit, Shield and Oring	\$ 37
HXR 615-10	Kit, Shield and Oring	\$ 37

WD



Packages

<u>WD-PKG</u>	Warthog WD Package	Qty	MSRP	Extended
WD-1-1/4	Warthog Assy w/ Centralizer	1	\$ 1,597	\$ 1,597
WD 040-R35	Nozzle Head	1	\$ 412	\$ 412
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	3	\$ 27	\$ 81
AP2 ???	Attack Tip, 1/8 NPT	3	\$ 27	\$ 81
				<hr/>
				\$ 2,198

<u>WD-BSPP-PKG</u>	Warthog WD Package-BSP	Qty	MSRP	Extended
WD-1-1/4-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,597	\$ 1,597
WD 040-R35	Nozzle Head	1	\$ 412	\$ 412
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	3	\$ 27	\$ 81
AP2 ???	Attack Tip, 1/8 NPT	3	\$ 27	\$ 81
				<hr/>
				\$ 2,198

Tool Kits

<u>WD 600</u>	Kit, Service	Qty	MSRP	Extended
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
PL 562	WD Manual Insert	1	\$ -	\$ -
BJ 211	Brass Seat	1	\$ 35	\$ 35
BJ 212-O	H.P. Seal & O-Ring	1	\$ 28	\$ 28
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
BJ 048-F	Viscous Fluid, Fast - 6oz.	1	\$ 20	\$ 20
				\$ 89

<u>WD 602</u>	Kit, Seal	Qty	MSRP	Extended
BJ 212-O	H.P. Seal & O-Ring	1	\$ 28	\$ 28
BJ 211	Brass Seat	1	\$ 35	\$ 35
				\$ 63

<u>WD 610</u>	Kit, Overhaul	Qty	MSRP	Extended
WD 021	Seal	1	\$ 10	\$ 10
WG 007	Bearing, Ball	2	\$ 28	\$ 56
WG 008	O-Ring	1	\$ 1	\$ 1
WG 014	Wave Spring	1	\$ 3	\$ 3
PL 562	WD Manual Insert	1	\$ -	\$ -
BJ 211	Brass Seat	1	\$ 35	\$ 35
BJ 212-O	H.P. Seal & O-Ring	1	\$ 28	\$ 28
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
BJ 048-F	Viscous Fluid, Fast - 6oz.	1	\$ 20	\$ 20
BJ 010-D	Seal, Shaft	2	\$ 10	\$ 20
				\$ 175

Nozzles

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
AP2 ???	Attack Tip, 1/8 NPT	\$ 27
AP2 018	Attack Tip, 1/8 NPT	\$ 27
AP2 020	Attack Tip, 1/8 NPT	\$ 27
AP2 022	Attack Tip, 1/8 NPT	\$ 27
AP2 024	Attack Tip, 1/8 NPT	\$ 27
AP2 026	Attack Tip, 1/8 NPT	\$ 27
AP2 029	Attack Tip, 1/8 NPT	\$ 27
AP2 032	Attack Tip, 1/8 NPT	\$ 27
AP2 035	Attack Tip, 1/8 NPT	\$ 27
AP2 038	Attack Tip, 1/8 NPT	\$ 27
AP2 042	Attack Tip, 1/8 NPT	\$ 27
AP2 047	Attack Tip, 1/8 NPT	\$ 27
AP2 052	Attack Tip, 1/8 NPT	\$ 27
AP2 057	Attack Tip, 1/8 NPT	\$ 27
AP2 063	Attack Tip, 1/8 NPT	\$ 27
AP2 069	Attack Tip, 1/8 NPT	\$ 27
AP2 075	Attack Tip, 1/8 NPT	\$ 27
AP2 082	Attack Tip, 1/8 NPT	\$ 27
AP2 090	Attack Tip, 1/8 NPT	\$ 27
AP2 098	Attack Tip, 1/8 NPT	\$ 27
AP2 106	Attack Tip, 1/8 NPT	\$ 27
AP2 115	Attack Tip, 1/8 NPT	\$ 27
AP2 125	Attack Tip, 1/8 NPT	\$ 27
AP2 135	Attack Tip, 1/8 NPT	\$ 27
AP2 145	Attack Tip, 1/8 NPT	\$ 27
AP2 155	Attack Tip, 1/8 NPT	\$ 27
AP2 165	Attack Tip, 1/8 NPT	\$ 27

All Parts

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WD-PKG	Warthog WD Package	\$ 2,198
WD-BSPP-PKG	Warthog WD Package-BSP	\$ 2,198
BJ 010-D	Seal, Shaft	\$ 10
BJ 048-F	Viscous Fluid, Fast - 6oz.	\$ 20
BJ 062-S	Antiseize, 2g	\$ 2
BJ 211	Brass Seat	\$ 35
BJ 212-O	H.P. Seal & O-Ring	\$ 28
FT 008	O-Ring	\$ 1
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	\$ 4
PL 562	WD Manual Insert	\$ -
WD 001	Shaft	\$ 611
WD 002	Inlet Nut	\$ 356
WD 002-BSPP20	Inlet Nut	\$ 356
WD 021	Seal	\$ 10
WD 040-R35	Nozzle Head	\$ 412
WD 600	Kit, Service	\$ 89
WD 602	Kit, Seal	\$ 63
WD 610	Kit, Overhaul	\$ 175
WD-1-1/4	Warthog Assy w/ Centralizer	\$ 1,597
WD-1-1/4-BSPP	Warthog Assy w/ Centralizer	\$ 1,597
WG 003	Body	\$ 368
WG 007	Bearing, Ball	\$ 28
WG 008	O-Ring	\$ 1
WG 014	Wave Spring	\$ 3
WG 080-3	Centralizer, Swivel	\$ 150

WG



WG Domestic Packages

WG-PKG	Warthog WG Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
WG 040-R5	Head, 3k psi, 1/8" NPT ports	1	\$ 355	\$ 355
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,906

WG-DS-PKG	Warthog WG Descaling Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
WG 040-DS-R5	Head, Descaling 3k psi, 1/8"NPT ports	1	\$ 412	\$ 412
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,948

WGP-PKG	Warthog WGP-1 Max Pull Package	Qty	MSRP	Extended
WGP-1	Warthog Puller w/ Centralizer	1	\$ 1,494	\$ 1,494
WGP 040-R8	Head, Pulling 5k psi, 1/8" NPT ports	1	\$ 427	\$ 427
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 2,056

WGP-DS-PKG	Warthog WGP-1 Max Pull Descaling Package	Qty	MSRP	Extended
WGP-1	Warthog Puller w/ Centralizer	1	\$ 1,494	\$ 1,494
WGP 040-R8-DS	Head, Descaling, 5k psi, 1/8" NPT ports	1	\$ 494	\$ 494
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 2,154

WG International Packages

<u>WG-BSPP-PKG</u>	Warthog WG Package-BSP	Qty	MSRP	Extended
WG-1-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
WG 040-R5	Head, 3k psi, 1/8" NPT ports	1	\$ 355	\$ 355
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,906

<u>WG-DS-BSPP-PKG</u>	Warthog WG Descaling Package-BSP	Qty	MSRP	Extended
WG-1-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
WG 040-DS-R5	Head, Descaling 3k psi, 1/8"NPT ports	1	\$ 412	\$ 412
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,948

<u>WGP-BSPP-PKG</u>	Warthog WGP-1 Max Pull Package-BSP	Qty	MSRP	Extended
WGP-1-BSPP	Warthog Puller w/ Centralizer	1	\$ 1,494	\$ 1,494
WGP 040-R8	Head, Pulling 5k psi, 1/8" NPT ports	1	\$ 427	\$ 427
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 2,056

WG Manhole Domestic Packages

<u>WG-MH-18-PKG</u>	Warthog WG 18" Manhole Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-6	Ext Nipple, 1/2 x 1/4 NPT x 6"	2	\$ 80	\$ 160
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	2	\$ 85	\$ 170
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
				\$ 2,499

<u>WG-MH-24-PKG</u>	Warthog WG 24" Manhole Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	2	\$ 85	\$ 170
SA 356-P8P4-10	Ext Nipple, 1/2 x 1/4 NPT x 10"	2	\$ 90	\$ 180
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
				\$ 2,519

<u>WG-MH-36-PKG</u>	Warthog WG 36" Manhole Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-14	Ext Nipple, 1/2 x 1/4 NPT x 14"	2	\$ 100	\$ 200
SA 356-P8P4-18	Ext Nipple, 1/2 x 1/4 NPT x 18"	2	\$ 110	\$ 220
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
				\$ 2,589

WG Manhole International Packages

WG-MH-18-BSPP-PKG	Warthog WG 18" Manhole Package-BSP	Qty	MSRP	Extended
WG-1-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-6	Ext Nipple, 1/2 x 1/4 NPT x 6"	2	\$ 80	\$ 160
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	2	\$ 85	\$ 170
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
				\$ 2,499

WG-MH-24-BSPP-PKG	Warthog WG 24" Manhole Package-BSP	Qty	MSRP	Extended
WG-1-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	2	\$ 85	\$ 170
SA 356-P8P4-10	Ext Nipple, 1/2 x 1/4 NPT x 10"	2	\$ 90	\$ 180
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
				\$ 2,519

WG-MH-36-BSPP-PKG	Warthog WG 36" Manhole Package-BSP	Qty	MSRP	Extended
WG-1-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-14	Ext Nipple, 1/2 x 1/4 NPT x 14"	2	\$ 100	\$ 200
SA 356-P8P4-18	Ext Nipple, 1/2 x 1/4 NPT x 18"	2	\$ 110	\$ 220
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
				\$ 2,589

WG-S Horizontal Pipe Packages

WG-S-18-PKG	Warthog WG 18" Horizontal Pipe-8 Wheel Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-6	Ext Nipple, 1/2 x 1/4 NPT x 6"	2	\$ 80	\$ 160
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	2	\$ 85	\$ 170
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
HC 090	HD Pulling Ring Assy w/ 1 bolt	1	\$ 230	\$ 230
WG 288-S-P16	Centralizer Assy, 8 Wheel, 5K	1	\$ 1,300	\$ 1,300
				\$ 4,029

WG-S-24-PKG	Warthog WG 24" Horizontal Pipe-8 Wheel Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	2	\$ 85	\$ 170
SA 356-P8P4-10	Ext Nipple, 1/2 x 1/4 NPT x 10"	2	\$ 90	\$ 180
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
HC 090	HD Pulling Ring Assy w/ 1 bolt	1	\$ 230	\$ 230
WG 288-S-P16	Centralizer Assy, 8 Wheel, 5K	1	\$ 1,300	\$ 1,300
				\$ 4,049

WG-S-36-PKG	Warthog WG 36" Horizontal Pipe-8 Wheel Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-14	Ext Nipple, 1/2 x 1/4 NPT x 14"	2	\$ 100	\$ 200
SA 356-P8P4-18	Ext Nipple, 1/2 x 1/4 NPT x 18"	2	\$ 110	\$ 220
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
HC 090	HD Pulling Ring Assy w/ 1 bolt	1	\$ 230	\$ 230
WG 288-S-P16	Centralizer Assy, 8 Wheel, 5K	1	\$ 1,300	\$ 1,300
				\$ 4,119

WG-M Horizontal Pipe Packages

WG-M-18-PKG	Warthog WG 18" Horizontal Pipe Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-6	Ext Nipple, 1/2 x 1/4 NPT x 6"	2	\$ 80	\$ 160
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	2	\$ 85	\$ 170
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
HC 090	HD Pulling Ring Assy w/ 1 bolt	1	\$ 230	\$ 230
WG 286-M-P16	Centralizer Assy, 3k psi, P16	1	\$ 690	\$ 690
				\$ 3,419

WG-M-24-PKG	Warthog WG 24" Horizontal Pipe Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	2	\$ 85	\$ 170
SA 356-P8P4-10	Ext Nipple, 1/2 x 1/4 NPT x 10"	2	\$ 90	\$ 180
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
HC 090	HD Pulling Ring Assy w/ 1 bolt	1	\$ 230	\$ 230
WG 286-M-P16	Centralizer Assy, 3k psi, P16	1	\$ 690	\$ 690
				\$ 3,439

WG-M-36-PKG	Warthog WG 36" Horizontal Pipe Package	Qty	MSRP	Extended
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	1	\$ 597	\$ 597
SA 356-P8P4-14	Ext Nipple, 1/2 x 1/4 NPT x 14"	2	\$ 100	\$ 200
SA 356-P8P4-18	Ext Nipple, 1/2 x 1/4 NPT x 18"	2	\$ 110	\$ 220
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
AP4 ???	Attack Tip, 1/4 NPT	2	\$ 30	\$ 60
AP4 ???	Attack Tip, 1/4 NPT	1	\$ 30	\$ 30
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	2	\$ 18	\$ 36
HC 090	HD Pulling Ring Assy w/ 1 bolt	1	\$ 230	\$ 230
WG 286-M-P16	Centralizer Assy, 3k psi, P16	1	\$ 690	\$ 690
				\$ 3,509

WG Master Package

<u>WG-MASTER-PKG</u>	<u>WG Master Package</u>	<u>Qty</u>	<u>MSRP</u>	<u>Extended</u>
WG 040-DS-R5	Head, Descaling 3k psi, 1/8" NPT ports	1	\$ 412	\$ 412
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
WG-1	Warthog Assy w/ Centralizer	1	\$ 1,416	\$ 1,416
WG 040-R5	Head, 3k psi, 1/8" NPT ports	1	\$ 355	\$ 355
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
WGP-1	Warthog Puller w/ Centralizer	1	\$ 1,494	\$ 1,494
WGP 040-R8	Head, Pulling 5k psi, 1/8" NPT ports	1	\$ 427	\$ 427
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
WG 600	Kit, Service	1	\$ 64	\$ 64
WGP 090	Case, w/ Foam WGP/WG Case	1	\$ 185	\$ 185
				<u>\$ 4,743</u>

Tool Kits

WG 600	Kit, Service	Qty	MSRP	Extended
BJ 048-F	Viscous Fluid, Fast - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
HC 012-TO	H.P. Seal Assembly	1	\$ 20	\$ 20
MJ 011	Brass Seat	1	\$ 18	\$ 18
PL 527	WG-XX Manual Insert	1	\$ -	\$ -
				\$ 64

WG 602	Kit, Seal	Qty	MSRP	Extended
HC 012-TO	H.P. Seal Assembly	1	\$ 20	\$ 20
MJ 011	Brass Seat	1	\$ 18	\$ 18
				\$ 38

WG 610	Kit, Overhaul	Qty	MSRP	Extended
BJ 010-D	Seal, Shaft	2	\$ 10	\$ 20
BJ 048-F	Viscous Fluid, Fast - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
HC 012-TO	H.P. Seal Assembly	1	\$ 20	\$ 20
MJ 011	Brass Seat	1	\$ 18	\$ 18
MJ 021-S	Weep Seal	1	\$ 11	\$ 11
PL 527	WG-XX Manual Insert	1	\$ -	\$ -
WG 007	Bearing, Ball	2	\$ 28	\$ 56
WG 008	O-Ring	1	\$ 1	\$ 1
WG 014	Wave Spring	1	\$ 3	\$ 3
WGP 032	Retaining Ring, SS Spiral Ext 2.50	1	\$ 15	\$ 15
				\$ 166

WG 612	Kit, Tool	Qty	MSRP	Extended
BJ 105	Tool	1	\$ 18	\$ 18
HC 064	Fill Tube	1	\$ 10	\$ 10
				\$ 28

Tool Kits

WG 610-NF	Kit, Overhaul (No Fluid)	Qty	MSRP	Extended
BJ 010-D	Seal, Shaft	2	\$ 10	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
HC 012-TO	H.P. Seal Assembly	1	\$ 20	\$ 20
MJ 011	Brass Seat	1	\$ 18	\$ 18
MJ 021-S	Weep Seal	1	\$ 11	\$ 11
WG 007	Bearing, Ball	2	\$ 28	\$ 56
WG 008	O-Ring	1	\$ 1	\$ 1
WG 014	Wave Spring	1	\$ 3	\$ 3
PL 527	WG-XX Manual Insert	1	\$ -	\$ -
WGP 032	Retaining Ring, SS Spiral Ext 2.50	1	\$ 15	\$ 15
				\$ 146

Nozzles - AP2

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
AP2 ???	Attack Tip, 1/8 NPT	\$ 27
AP2 018	Attack Tip, 1/8 NPT	\$ 27
AP2 020	Attack Tip, 1/8 NPT	\$ 27
AP2 022	Attack Tip, 1/8 NPT	\$ 27
AP2 024	Attack Tip, 1/8 NPT	\$ 27
AP2 026	Attack Tip, 1/8 NPT	\$ 27
AP2 029	Attack Tip, 1/8 NPT	\$ 27
AP2 032	Attack Tip, 1/8 NPT	\$ 27
AP2 035	Attack Tip, 1/8 NPT	\$ 27
AP2 038	Attack Tip, 1/8 NPT	\$ 27
AP2 042	Attack Tip, 1/8 NPT	\$ 27
AP2 047	Attack Tip, 1/8 NPT	\$ 27
AP2 052	Attack Tip, 1/8 NPT	\$ 27
AP2 057	Attack Tip, 1/8 NPT	\$ 27
AP2 063	Attack Tip, 1/8 NPT	\$ 27
AP2 069	Attack Tip, 1/8 NPT	\$ 27
AP2 075	Attack Tip, 1/8 NPT	\$ 27
AP2 082	Attack Tip, 1/8 NPT	\$ 27
AP2 090	Attack Tip, 1/8 NPT	\$ 27
AP2 098	Attack Tip, 1/8 NPT	\$ 27
AP2 106	Attack Tip, 1/8 NPT	\$ 27
AP2 115	Attack Tip, 1/8 NPT	\$ 27
AP2 125	Attack Tip, 1/8 NPT	\$ 27
AP2 135	Attack Tip, 1/8 NPT	\$ 27
AP2 145	Attack Tip, 1/8 NPT	\$ 27
AP2 155	Attack Tip, 1/8 NPT	\$ 27
AP2 165	Attack Tip, 1/8 NPT	\$ 27

Nozzles - AP4

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
AP4 ???	Attack Tip, 1/4 NPT	\$ 30
AP4 018	Attack Tip, 1/4 NPT	\$ 30
AP4 020	Attack Tip, 1/4 NPT	\$ 30
AP4 022	Attack Tip, 1/4 NPT	\$ 30
AP4 024	Attack Tip, 1/4 NPT	\$ 30
AP4 026	Attack Tip, 1/4 NPT	\$ 30
AP4 029	Attack Tip, 1/4 NPT	\$ 30
AP4 032	Attack Tip, 1/4 NPT	\$ 30
AP4 035	Attack Tip, 1/4 NPT	\$ 30
AP4 038	Attack Tip, 1/4 NPT	\$ 30
AP4 042	Attack Tip, 1/4 NPT	\$ 30
AP4 047	Attack Tip, 1/4 NPT	\$ 30
AP4 052	Attack Tip, 1/4 NPT	\$ 30
AP4 057	Attack Tip, 1/4 NPT	\$ 30
AP4 063	Attack Tip, 1/4 NPT	\$ 30
AP4 069	Attack Tip, 1/4 NPT	\$ 30
AP4 075	Attack Tip, 1/4 NPT	\$ 30
AP4 082	Attack Tip, 1/4 NPT	\$ 30
AP4 090	Attack Tip, 1/4 NPT	\$ 30
AP4 098	Attack Tip, 1/4 NPT	\$ 30
AP4 106	Attack Tip, 1/4 NPT	\$ 30
AP4 115	Attack Tip, 1/4 NPT	\$ 30
AP4 125	Attack Tip Without Flow Straightener	\$ 30
AP4 135	Attack Tip Without Flow Straightener	\$ 30
AP4 145	Attack Tip Without Flow Straightener	\$ 30
AP4 155	Attack Tip Without Flow Straightener	\$ 30
AP4 165	Attack Tip Without Flow Straightener	\$ 30

All Parts

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WG-PKG	Warthog WG Package	\$ 1,906
WG-DS-PKG	Warthog WG Descaling Package	\$ 1,948
WGP-DS-PKG	Warthog WGP-1 Max Pull Descaling Package	\$ 2,154
WGP-PKG	Warthog WGP-1 Max Pull Package	\$ 2,056
WG-BSPP-PKG	Warthog WG Package-BSP	\$ 1,906
WG-DS-BSPP-PKG	Warthog WG Descaling Package-BSP	\$ 1,948
WGP-BSPP-PKG	Warthog WGP-1 Max Pull Package-BSP	\$ 2,056
WG-MH-18-BSPP-PKG	Warthog WG 18" Manhole Package-BSP	\$ 2,499
WG-MH-18-PKG	Warthog WG 18" Manhole Package	\$ 2,499
WG-MH-24-BSPP-PKG	Warthog WG 24" Manhole Package-BSP	\$ 2,519
WG-MH-24-PKG	Warthog WG 24" Manhole Package	\$ 2,519
WG-MH-36-BSPP-PKG	Warthog WG 36" Manhole Package-BSP	\$ 2,589
WG-MH-36-PKG	Warthog WG 36" Manhole Package	\$ 2,589
WG-S-18-PKG	Warthog WG 18" Horizontal Pipe-8 Wheel Package	\$ 4,036
WG-S-24-PKG	Warthog WG 24" Horizontal Pipe-8 Wheel Package	\$ 4,056
WG-S-36-PKG	Warthog WG 36" Horizontal Pipe-8 Wheel Package	\$ 4,126
WG-M-18-PKG	Warthog WG 18" Horizontal Pipe Package	\$ 3,426
WG-M-24-PKG	Warthog WG 24" Horizontal Pipe Package	\$ 3,446
WG-M-36-PKG	Warthog WG 36" Horizontal Pipe Package	\$ 3,516
WG 600	Kit, Service	\$ 64
WG 602	Kit, Seal	\$ 38
WG 610	Kit, Overhaul	\$ 166
WG 610-NF	Kit, Overhaul (No Fluid)	\$ 146
WG 612	Kit, Tool	\$ 32
BJ 010-D	Seal, Shaft	\$ 10
BJ 041-P8-6-R35	Head, 1/2" NPT Ports - 15k psi	\$ 597
BJ 048-F	Viscous Fluid, Fast - 6oz.	\$ 20
BJ 062-S	Antiseize, 2g	\$ 2
BJ 083	Wheel, Plastic - 3 in.	\$ 7
BJ 084	Wheel, Plastic - 4 in.	\$ 8
BJ 086.2	Bushing	\$ 5
BJ 086.3-M	Centralizer, Skid	\$ 38
BJ 086.4-M	Centralizer, Link	\$ 20
BJ 105	Tool	\$ 18
BJ 286.1	Slide	\$ 96
BJ 288.1-S	Wheel Tube, Small Centralizer	\$ 30
FS 004-0-SS	Zerk, Stainless 1/4-28 x 35/64, 0deg	\$ 6
GB 531-06	Bolt 5/16-18 X 1-1/2 Zinc	\$ 1
GB 537-03	Bolt 3/8-16 X 3/4 Zinc	\$ 1
GB 537-05	Bolt 3/8-16 X 1-1/4 Zinc	\$ 1
GB 537-07	Bolt 3/8-16 X 1-3/4 Zinc	\$ 1
GB 537-10	Bolt 3/8-16 X 2-1/2 Zinc	\$ 1

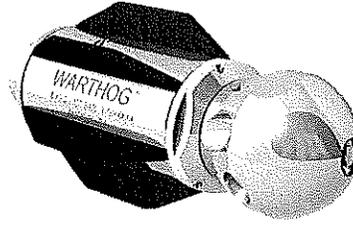
All Parts - Continued

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
GB 537-12	Bolt 3/8-16 X 3 Zinc	\$ 1
GC SP-21-F	Collar, 1.3125" ID, carbon steel	\$ 17
GN 531-L	Nut 5/16 Lock Zinc	\$ 1
GN 537-L	Nut 3/8 Lock Zinc	\$ 1
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	\$ 4
GP 025-P8SS	Hex Socket Plug, 1/2 NPT Male, SS	\$ 18
GW 537-F	Washer, 3/8 Flat Zinc	\$ 1
HC 012-TO	H.P. Seal Assembly	\$ 20
HC 064	Fill Tube	\$ 10
HC 090	HD Pulling Ring Assy w/ 1 bolt	\$ 230
HC 091	Housing	\$ 95
HC 092	Spacer Tube, .750Dx .50IDx 1.56L, Steel	\$ 12
HC 093.1	Bearing	\$ 27
HC 094	Shoulder Bolt 5/16-18 x 3/8 x 3/8	\$ 5
HC 095	Bail	\$ 45
HC 096	Tolerance Ring	\$ 8
HC 098	Bolt 1/2-13 X 2-1/2 SS (GB 350-10)	\$ 3
MJ 011	Brass Seat	\$ 18
MJ 016	O-Ring (same as FS 021-K)	\$ 1
MJ 021-S	Weep Seal	\$ 11
SA 356-P8P4-10	Ext Nipple, 1/2 x 1/4 NPT x 10"	\$ 90
SA 356-P8P4-14	Ext Nipple, 1/2 x 1/4 NPT x 14"	\$ 100
SA 356-P8P4-18	Ext Nipple, 1/2 x 1/4 NPT x 18"	\$ 110
SA 356-P8P4-6	Ext Nipple, 1/2 x 1/4 NPT x 6"	\$ 80
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	\$ 85
SA 374-P16P16-18	1in. Pipe Nipple, 304 SS SCH 80	\$ 195
WG 001	Shaft	\$ 385
WG 003	Body	\$ 345
WG 007	Bearing, Ball	\$ 28
WG 008	O-Ring	\$ 1
WG 014	Wave Spring	\$ 3
WG 040-DS-R5	Head, Descaling 3k psi, 1/8"NPT ports	\$ 400
WG 040-R5	Head, 3k psi, 1/8" NPT ports	\$ 345
WG 052-P16P16	Coupling, Swivel 1inch	\$ 18
WG 070.2	Clamp Collars, Set of 2	\$ 300
WG 070-10	Centralizer, Plastic Ski, 10" dia	\$ 670
WG 070-12	Centralizer, Plastic Ski, 12" dia	\$ 695
WG 070-6	Centralizer, Plastic Ski, 6" dia	\$ 635

All Parts - Continued

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WG 070-8	Centralizer, Plastic Ski, 8" dia	\$ 655
WG 071	Spacer, WG Centralizer	\$ 125
WG 080-3	Centralizer, Swivel	\$ 150
WG 102	Inlet Nut (retaining ring style)	\$ 375
WG 102-BSPP16	Inlet Nut, BSPP16 (uses retaining ring)	\$ 375
WG 286.5-M	Centralizer Tube Weldment	\$ 240
WG 286-M-P16	Centralizer Assy, 3k psi, P16	\$ 690
WG 288-S	Centralizer Weldment	\$ 1,350
WG 288-S-P16	Centralizer Assy, 8 Wheel, 5K	\$ 1,300
WG-1	Warthog Assy w/ Centralizer	\$ 1,375
WG-1-BSPP	Warthog Assy w/ Centralizer	\$ 1,375
WGP 032	Retaining Ring, SS Spiral Ext 2.50	\$ 15
WGP 040-R8	Head, Pulling 5k psi, 1/8" NPT ports	\$ 415
WGP 040-R8-DS	Head, Descaling, 5k psi, 1/8" NPT ports	\$ 480
WGP 080	Centralizer Assy	\$ 240
WGP 090	Case, w/ Foam WGP/WG Case	\$ 185
WGP-1	Warthog Puller w/ Centralizer	\$ 1,450
WGP-1-BSPP	Warthog Puller w/ Centralizer	\$ 1,450

WARTHOG WGR MAGNUM



Domestic Standard Packages

WGR-PKG	Warthog Recycled Water Package	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,914

WGR-PFJ-PKG	Warthog Recycled Water Plugged Front Jet Package	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	1	\$ 386	\$ 386
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,883

WGR-DS-PKG	Warthog Recycled Water Descaling Package	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,914

WGR-DS-PFJ-PKG	Warthog Recycled Water Descaling Plugged Front Jet	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	1	\$ 386	\$ 386
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,883

Domestic Puller Packages

WGRP-PKG	Warthog Recycled Water Puller Package	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,914

WGRP-PFJ-PKG	Warthog Recycled Water Puller Plugged Front Jet Pacl	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	1	\$ 386	\$ 386
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,883

WGRP-DS-PKG	Warthog Recycled Water Descaling Puller Package	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,914

WGRP-DS-PFJ-PKG	Warthog Recycled Water Descaling Puller Plugged Fro	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	1	\$ 386	\$ 386
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,883

International Standard Packages

WGR-BSPP-PKG	Warthog Recycled Water BSPP Package	Qty	MSRP	Extended
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,914

WGR-PFJ-BSPP-PKG	Warthog Recycled Water Plugged Front Jet BSPP Pack	Qty	MSRP	Extended
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	1	\$ 386	\$ 386
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,883

WGR-DS-BSPP-PKG	Warthog Recycled Water BSPP Descaling Package	Qty	MSRP	Extended
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,914

WGR-DS-PFJ-BSPP-PKG	Warthog Recycled Water Plugged Front Jet BSPP Desc	Qty	MSRP	Extended
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	1	\$ 386	\$ 386
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,883

International Puller Packages

WGRP-BSPP-PKG	Warthog Recycled Water BSPP Puller Package	Qty	MSRP	Extended
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,914

WGRP-PFJ-BSPP-PKG	Warthog Recycled Water Plugged Front Jet BSPP Puller Package	Qty	MSRP	Extended
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	1	\$ 386	\$ 386
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,883

WGRP-DS-BSPP-PKG	Warthog Recycled Water BSPP Descaling Puller Package	Qty	MSRP	Extended
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,914

WGRP-DS-PFJ-BSPP-PKG	Warthog Recycled Water Plugged Front Jet BSPP Descaling Puller Package	Qty	MSRP	Extended
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	1	\$ 386	\$ 386
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,883

WGRP Master Package

WGRP-MASTER-PKG	WGRP Master Package	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	1	\$ 386	\$ 386
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
WGR 040-R35-MH	Head, 5k psi, Manhole, (2) 1/8" ports, (2) 1/2" ports	1	\$ 685	\$ 685
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	2	\$ 85	\$ 170
CNP2 ???	Carbide Nozzle Assy, place holder	4	\$ 35	\$ 140
WGR 057	Bushing, P4M P2F, SS	2	\$ 12	\$ 24
WGR 180	Torx L-Key T25	1	\$ 7	\$ 7
GP 180	Loctite, 242 Blue .5mL	1	\$ 4	\$ 4
WGP 090	Case, w/ Foam WGP/WG Case	1	\$ 185	\$ 185
WGR 084-10	Kit, 6 Fins, (for 10"-12" pipe)	1	\$ 570	\$ 570
				\$ 5,237

WGR 1-1/4 Domestic Packages

<u>WGR-1-1/4-S-PKG</u>	WGR 1-1/4 Standard Package	Qty	MSRP	Extended
WGR-1-1/4	Warthog, Recycled Water, P20	1	\$ 2,345	\$ 2,345
WGR 042-R20-SDS	Head, High Flow, Standard Descaler	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
				\$ 2,984

<u>WGR-1-1/4-DS-PKG</u>	WGR 1-1/4 Descaling Package	Qty	MSRP	Extended
WGR-1-1/4	Warthog, Recycled Water, P20	1	\$ 2,345	\$ 2,345
WGR 042-R20-SDS	Head, High Flow, Standard Descaler	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
				\$ 3,046

WGR 1-1/4 International Packages

<u>WGR-1-1/4-BSPP-PKG</u>	WGR 1-1/4 Standard BSPP Package	Qty	MSRP	Extended
WGR-1-1/4-BSPP	Warthog, Recycled Water, P20, BSPP	1	\$ 2,345	\$ 2,345
WGR 042-R20-SDS	Head, High Flow, Standard Descaler	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	2	\$ 4	\$ 8
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
				\$ 2,984

<u>WGR-1-1/4-DS-BSPP-PKG</u>	WGR 1-1/4 Descaling BSPP Package	Qty	MSRP	Extended
WGR-1-1/4-BSPP	Warthog, Recycled Water, P20, BSPP	1	\$ 2,345	\$ 2,345
WGR 042-R20-SDS	Head, High Flow, Standard Descaler	1	\$ 386	\$ 386
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
				\$ 3,046

WGR Switcher Packages

<u>WGR-SWT-PKG</u>	Warthog Recycled Water Switcher Package	Qty	MSRP	Extended
WGR-1	Warthog, Recycled Water, P16	1	\$ 2,345	\$ 2,345
WGR 040-R31-SWT	Head Assy, Switcher	1	\$ 1,350	\$ 1,350
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
CNP2 ???	Carbide Nozzle Assy, place holder	4	\$ 35	\$ 140
CNP2 ???	Carbide Nozzle Assy, place holder	4	\$ 35	\$ 140
				\$ 3,979

<u>WGR-1-1/4-SWT-PKG</u>	Warthog Recycled Water 1-1/4 Switcher Package	Qty	MSRP	Extended
WGR-1-1/4	Warthog, Recycled Water, P20	1	\$ 2,345	\$ 2,345
WGR 040-R20-SWT	Head Assy, Switcher, R20	1	\$ 1,350	\$ 1,350
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
CNP2 ???	Carbide Nozzle Assy, place holder	4	\$ 35	\$ 140
CNP2 ???	Carbide Nozzle Assy, place holder	4	\$ 35	\$ 140
				\$ 3,979

<u>WGR-SWT-BSPP-PKG</u>	Warthog Recycled Water Switcher BSPP Package	Qty	MSRP	Extended
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R31-SWT	Head Assy, Switcher	1	\$ 1,350	\$ 1,350
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
CNP2 ???	Carbide Nozzle Assy, place holder	4	\$ 35	\$ 140
CNP2 ???	Carbide Nozzle Assy, place holder	4	\$ 35	\$ 140
				\$ 3,979

<u>WGR-1-1/4-SWT-BSPP-PKG</u>	Warthog Recycled Water 1-1/4 Switcher BSPP Package	Qty	MSRP	Extended
WGR-1-1/4-BSPP	Warthog, Recycled Water, P20, BSPP	1	\$ 2,345	\$ 2,345
WGR 040-R20-SWT	Head Assy, Switcher, R20	1	\$ 1,350	\$ 1,350
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
CNP2 ???	Carbide Nozzle Assy, place holder	4	\$ 35	\$ 140
CNP2 ???	Carbide Nozzle Assy, place holder	4	\$ 35	\$ 140
				\$ 3,979

Tool Kits

WGR 084-8		Kit, 6 Fins, (for 8"-10" pipe)	Qty	MSRP	Extended
WGR 081		Standard Fin, 8"-10" Pipe	6	\$ 65	\$ 390
					\$ 390

WGR 084-10		Kit, 6 Fins, (for 10"-12" pipe)	Qty	MSRP	Extended
WGR 082		Extended Fin, 10"-12" Pipe	6	\$ 95	\$ 570
					\$ 570

WGR 601		Kit, Fluid	Qty	MSRP	Extended
BC 410		Syringe Assy	1	\$ 30	\$ 30
BJ 026		Port Plug	2	\$ 15	\$ 30
BJ 048-M		Viscous Fluid, Medium - 6oz	1	\$ 20	\$ 20
					\$ 80

WGR 602		Kit, Seal, HP	Qty	MSRP	Extended
BJ 062-S		Antiseize, 2g	1	\$ 2	\$ 2
WGR 052		Wave Spring	2	\$ 6	\$ 12
WGR 058-M90		HP Seal, Shaft Side	1	\$ 105	\$ 105
WGR 059-M90		HP Seal, Nut Side	1	\$ 115	\$ 115
WS 210		O-Ring	2	\$ 1	\$ 2
					\$ 236

WGR 612		Kit, Tool	Qty	MSRP	Extended
WGR 180		Torx L-Key T25	1	\$ 7	\$ 7
WGR 181		Press Tube, Removal	1	\$ 120	\$ 120
WGR 182		Press Tube, Installation	1	\$ 96	\$ 96
WGR 183		Tool, Hex	1	\$ -	\$ -
WGR 184		Tool, Installation, HP Seal	1	\$ 48	\$ 48
WGR 186		HP Seal Puller	1	\$ 18	\$ 18
SC287 105		2-1/2 Wrench	1	\$ 70	\$ 70
					\$ 359

Tool Kits

WGR 600	Kit, Service	Qty	MSRP	Extended
BJ 048-M	Viscous Fluid, Medium - 6oz	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
TR200 121	O-Ring	1	\$ 1	\$ 1
WG 008	O-Ring	2	\$ 1	\$ 2
WG 014	Wave Spring	1	\$ 3	\$ 3
WGR 006	Shaft Seal, Small	2	\$ 10	\$ 20
WGR 007	Bearing	2	\$ 65	\$ 130
WGR 010	Shaft Seal, Large	2	\$ 8	\$ 16
WGR 011	Seal Spacer	2	\$ 2	\$ 4
WGR 076	O-Ring	1	\$ 1	\$ 1
WGR 030	Torx Pan Head .19-24 x .50 SS	6	\$ 1	\$ 6
				\$ 205

WGR 610	Kit, Overhaul	Qty	MSRP	Extended
BJ 026	Port Plug	2	\$ 15	\$ 30
BJ 048-M	Viscous Fluid, Medium - 6oz	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT, SS	1	\$ 4	\$ 4
GP 049.1	Syringe, Plastic, .68oz	1	\$ 4	\$ 4
GP 049.2	Cap, Syringe, Lock Cap	1	\$ 3	\$ 3
TR200 121	O-Ring	1	\$ 1	\$ 1
WG 008	O-Ring	2	\$ 1	\$ 2
WG 014	Wave Spring	1	\$ 3	\$ 3
WGR 006	Shaft Seal, Small	2	\$ 10	\$ 20
WGR 009	Bearing, Ball, Open (SKF ONLY)	2	\$ 65	\$ 130
WGR 010	Shaft Seal, Large	2	\$ 8	\$ 16
WGR 011	Seal Spacer	2	\$ 2	\$ 4
WGR 050	O-ring, 85D	2	\$ 2	\$ 4
WGR 052	Wave Spring	2	\$ 6	\$ 12
WGR 058-M90	HP Seal, Shaft Side	1	\$ 105	\$ 105
WGR 059-M90	HP Seal, Nut Side	1	\$ 115	\$ 115
WGR 076	O-Ring	1	\$ 1	\$ 1
WGR 180	Torx L-Key T25	1	\$ 7	\$ 7
WHR 030	Torx Screw, 10-24 x 3/8, Pan Head, SS	6	\$ 1	\$ 6
				\$ 489

Nozzles

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
CNP2 020	Carbide Nozzle Assy, 020	\$ 35
CNP2 024	Carbide Nozzle Assy, 024	\$ 35
CNP2 028	Carbide Nozzle Assy, 028	\$ 35
CNP2 032	Carbide Nozzle Assy, 032	\$ 35
CNP2 035	Carbide Nozzle Assy, 035	\$ 35
CNP2 038	Carbide Nozzle Assy, 038	\$ 35
CNP2 042	Carbide Nozzle Assy, 042	\$ 35
CNP2 047	Carbide Nozzle Assy, 047	\$ 35
CNP2 052	Carbide Nozzle Assy, 052	\$ 35
CNP2 057	Carbide Nozzle Assy, 057	\$ 35
CNP2 063	Carbide Nozzle Assy, 063	\$ 35
CNP2 069	Carbide Nozzle Assy, 069	\$ 35
CNP2 075	Carbide Nozzle Assy, 075	\$ 35
CNP2 082	Carbide Nozzle Assy, 082	\$ 35
CNP2 090	Carbide Nozzle Assy, 090	\$ 35
CNP2 098	Carbide Nozzle Assy, 098	\$ 35
CNP2 106	Carbide Nozzle Assy, 106	\$ 35
CNP2 115	Carbide Nozzle Assy, 115	\$ 35
CNP2 125	Carbide Nozzle Assy, 125	\$ 35
CNP2 135	Carbide Nozzle Assy, 135	\$ 35
CNP2 145	Carbide Nozzle Assy, 145	\$ 35
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	\$ 4

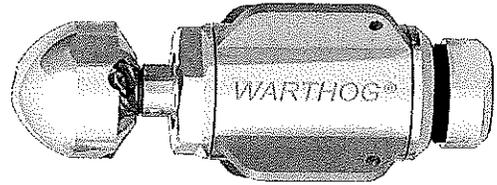
All Parts

Part ID	Description	MSRP
WGR-PKG	Warthog Recycled Water Package	\$ 2,914
WGR-PFJ-PKG	Warthog Recycled Water Plugged Front Jet Package	\$ 2,883
WGR-DS-PKG	Warthog Recycled Water Descaling Package	\$ 2,914
WGR-DS-PFJ-PKG	Warthog Recycled Water Descaling Plugged Front Jet Packa	\$ 2,883
WGRP-PKG	Warthog Recycled Water Puller Package	\$ 2,914
WGRP-PFJ-PKG	Warthog Recycled Water Puller Plugged Front Jet Package	\$ 2,883
WGRP-DS-PKG	Warthog Recycled Water Descaling Puller Package	\$ 2,914
WGRP-DS-PFJ-PKG	Warthog Recycled Water Descaling Puller Plugged Front Jet	\$ 2,883
WGR-BSPP-PKG	Warthog Recycled Water BSPP Package	\$ 2,914
WGR-PFJ-BSPP-PKG	Warthog Recycled Water Plugged Front Jet BSPP Package	\$ 2,883
WGR-DS-BSPP-PKG	Warthog Recycled Water BSPP Descaling Package	\$ 2,914
WGR-DS-PFJ-BSPP-PKG	Warthog Recycled Water Plugged Front Jet BSPP Descaling	\$ 2,883
WGRP-BSPP-PKG	Warthog Recycled Water BSPP Puller Package	\$ 2,914
WGRP-PFJ-BSPP-PKG	Warthog Recycled Water Plugged Front Jet BSPP Puller Pacl	\$ 2,883
WGRP-DS-BSPP-PKG	Warthog Recycled Water BSPP Descaling Puller Package	\$ 2,914
WGRP-DS-PFJ-BSPP-PKG	Warthog Recycled Water Plugged Front Jet BSPP Descaling	\$ 2,883
WGRP-MASTER-PKG	WGRP Master Package	\$ -
WGR-1-1/4-S-PKG	WGR 1-1/4 Standard Package	\$ 2,984
WGR-1-1/4-DS-PKG	WGR 1-1/4 Descaling Package	\$ 3,046
WGR-1-1/4-BSPP-PKG	WGR 1-1/4 Standard BSPP Package	\$ 2,984
WGR-1-1/4-DS-BSPP-PKG	WGR 1-1/4 Descaling BSPP Package	\$ 3,046
WGR-SWT-PKG	Warthog Recycled Water Switcher Package	\$ 3,979
WGR-1-1/4-SWT-PKG	Warthog Recycled Water 1-1/4 Switcher Package	\$ 4,020
WGR-SWT-BSPP-PKG	Warthog Recycled Water Switcher BSPP Package	\$ 3,979
WGR-1-1/4-SWT-BSPP-PKG	Warthog Recycled Water 1-1/4 Switcher BSPP Package	\$ 4,020
WGR-1	Warthog, Recycled Water, P16	\$ 2,345
WGR-1-1/4	Warthog, Recycled Water, P20	\$ 2,345
WGR-1-1/4-BSPP	Warthog, Recycled Water, P20, BSPP	\$ 2,345
WGR-1-BSPP	Warthog, Recycled Water, P16, BSPP	\$ 2,345
WGR 040-R21-SWT	OBS, USE WGR 040-R20-SWT, Head Assy, Switcher	\$ -
WGR 040-R31-PDS	Head, Puller Descaler, (low flow)	\$ 386
WGR 040-R31-SDS	Head, Standard Descaler, (low flow)	\$ 386
WGR 040-R31-SWT	Head Assy, Switcher	\$ 1,350
WGR 040-R35-MH	Head, 5k psi, Manhole, (2) 1/8" ports, (2) 1/2" ports	\$ 685
WGR 042-R20-SDS	Head, High Flow, Standard Descaler	\$ 386
WGR 600	Kit, Service	\$ 212
WGR 601	Kit, Fluid	\$ 71
WGR 602	Kit, Seal, HP	\$ 238
WGR 610	Kit, Overhaul	\$ 489
WGR 612	Kit, Tool	\$ 391
BC 410	Syringe Assy	\$ 30
BJ 026	Port Plug	\$ 15
BJ 048-M	Viscous Fluid, Medium - 6oz	\$ 20
BJ 048-MQ	Viscous Fluid, Medium - 32oz	\$ 70

All Parts - Continued

Part ID	Description	MSRP
BJ 062-S	Antiseize, 2g	\$ 2
BJ 080	Case, with foam	\$ 190
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	\$ 4
GP 180	Loctite, 242 Blue .5mL	\$ 4
SA 356-P8P4-8	Ext Nipple, 1/2 x 1/4 NPT x 8"	\$ 85
SC287 105	2-1/2 Wrench	\$ 70
TR200 121	O-Ring	\$ 1
WG 008	O-Ring	\$ 1
WG 014	Wave Spring	\$ 3
WGP 090	Case, w/ Foam WGP/WG Case	\$ 185
WGR 003	Body, WGR	\$ 485
WGR 004	Front Nut	\$ 185
WGR 006	Shaft Seal, Small	\$ 10
WGR 007	Bearing	\$ 65
WGR 009	Bearing, Ball, Open (SKF ONLY)	\$ 65
WGR 010	Shaft Seal, Large	\$ 8
WGR 011	Seal Spacer	\$ 2
WGR 020	Back Plate	\$ 95
WGR 022	Split Back Plate	\$ 112
WGR 030	Torx Pan Head .19-24 x .50 SS	\$ 1
WGR 050	Oring, 85D	\$ 2
WGR 052	Wave Spring	\$ 6
WGR 057	Bushing, P4M P2F, SS	\$ 12
WGR 058-M90	HP Seal, Shaft Side	\$ 105
WGR 059-M90	HP Seal, Nut Side	\$ 115
WGR 076	O-Ring	\$ 1
WGR 081	Standard Fin, 8"-10" Pipe	\$ 65
WGR 082	Extended Fin, 10"-12" Pipe	\$ 95
WGR 084-10	Kit, 6 Fins, (for 10"-12" pipe)	\$ 570
WGR 084-8	Kit, 6 Fins, (for 8"-10" pipe)	\$ 390
WGR 101	Shaft	\$ 455
WGR 102	Inlet Nut, P16	\$ 380
WGR 102-BSPP16	Inlet Nut, BSPP16	\$ 287
WGR 102-BSPP20	Inlet Nut, BSPP20	\$ 327
WGR 102-P20	Inlet Nut, P20	\$ 327
WGR 180	Torx L-Key T25	\$ 7
WGR 181	Press Tube, Removal	\$ 120
WGR 182	Press Tube, Installation	\$ 96
WGR 183	Tool, Hex	\$ -
WGR 184	Tool, Installation, HP Seal	\$ 48
WGR 186	HP Seal Puller	\$ 18
WHR 030	Torx Screw, 10-24 x 3/8, Pan Head, SS	\$ 1
WS 210	O-Ring	\$ 1

WH



WH-1/2 Domestic Packages

<u>WH-1/2-PKG</u>	Warthog WH-1/2 Package	Qty	MSRP	Extended
WH-1/2	Warthog Assy w/ Centralizer	1	\$ 1,103	\$ 1,103
WH 040-R8	Head, 8k psi, 1/8" NPT	1	\$ 284	\$ 284
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,468

<u>WH-1/2-DS-PKG</u>	Warthog WH-1/2 Descaling Package	Qty	MSRP	Extended
WH-1/2	Warthog Assy w/ Centralizer	1	\$ 1,103	\$ 1,103
WH 040-DS-R3	Head, Descaling, 8k psi, 1/8"NPT	1	\$ 420	\$ 420
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,635

WH-1/2 International Packages

<u>WH-1/2-BSPP-PKG</u>	Warthog WH-1/2 Package-BSP	Qty	MSRP	Extended
WH-1/2-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,103	\$ 1,103
WH 040-R8	Head, 8k psi, 1/8" NPT	1	\$ 284	\$ 284
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,468

<u>WH-1/2-DS-BSPP-PKG</u>	Warthog WH-1/2 Descaling Package-BSP	Qty	MSRP	Extended
WH-1/2-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,103	\$ 1,103
WH 040-DS-R3	Head, Descaling, 8k psi, 1/8"NPT	1	\$ 420	\$ 420
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,635

WH-3/4 Domestic Packages

<u>WH-3/4-PKG</u>	Warthog WH-3/4 Package	Qty	MSRP	Extended
WH-3/4	Warthog Assy w/ Centralizer	1	\$ 1,103	\$ 1,103
WH 040-R8	Head, 8k psi, 1/8" NPT	1	\$ 284	\$ 284
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,468

<u>WH-3/4-DS-PKG</u>	Warthog WH-3/4 Descaling Package	Qty	MSRP	Extended
WH-3/4	Warthog Assy w/ Centralizer	1	\$ 1,103	\$ 1,103
WH 040-DS-R3	Head, Descaling, 8k psi, 1/8"NPT	1	\$ 420	\$ 420
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,635

WH-3/4 International Packages

<u>WH-3/4-BSPP-PKG</u>	Warthog WH-3/4 Package-BSPP	Qty	MSRP	Extended
WH-3/4-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,103	\$ 1,103
WH 040-R8	Head, 8k psi, 1/8" NPT	1	\$ 284	\$ 284
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,468

<u>WH-3/4-DS-BSPP-PKG</u>	Warthog WH-3/4 Descaling Package-BSPP	Qty	MSRP	Extended
WH-3/4-BSPP	Warthog Assy w/ Centralizer	1	\$ 1,103	\$ 1,103
WH 040-DS-R3	Head, Descaling, 8k psi, 1/8"NPT	1	\$ 420	\$ 420
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,635

WHP-3/4 Domestic Packages

<u>WHP-3/4-PKG</u>	Warthog WHP-3/4 Package	Qty	MSRP	Extended
WHP-3/4	Warthog, Puller Assy w/ Centralizer	1	\$ 1,234	\$ 1,234
WHP 040-R5	Head, Puller, 8K psi, 1/8 NPT ports	1	\$ 273	\$ 273
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,588

<u>WHP-3/4-DS-PKG</u>	Warthog WHP-3/4 Descaling Package	Qty	MSRP	Extended
WHP-3/4	Warthog, Puller Assy w/ Centralizer	1	\$ 1,234	\$ 1,234
WH 040-DS-R3	Head, Descaling, 8k psi, 1/8"NPT	1	\$ 420	\$ 420
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,766

WHP-3/4 International Packages

<u>WHP-3/4-BSPP-PKG</u>	Warthog WHP-3/4 Package-BSPP	Qty	MSRP	Extended
WHP-3/4-BSPP	Warthog, Puller Assy w/ Centralizer	1	\$ 1,234	\$ 1,234
WHP 040-R5	Head, Puller, 8K psi, 1/8 NPT ports	1	\$ 273	\$ 273
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,588

<u>WHP-3/4-DS-BSPP-PKG</u>	Warthog WHP-3/4 Descaling Package-BSPP	Qty	MSRP	Extended
WHP-3/4-BSPP	Warthog, Puller Assy w/ Centralizer	1	\$ 1,234	\$ 1,234
WH 040-DS-R3	Head, Descaling, 8k psi, 1/8"NPT	1	\$ 420	\$ 420
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,766

Tool Kits

<u>WH 600</u>	Kit, Service	Qty	MSRP	Extended
BJ 048-F	Viscous Fluid, Fast - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
PL 529	WH Manual Insert	1	\$ -	\$ -
TJ 011	Brass Seat	1	\$ 20	\$ 20
WH 012-O	H.P. Seal & O-Ring	1	\$ 22	\$ 22
				\$ 68

<u>WH 602</u>	Kit, Seal	Qty	MSRP	Extended
TJ 011	Brass Seat	1	#N/A	#N/A
WH 012-O	H.P. Seal & O-Ring	1	\$ 22	\$ 22
				#N/A

<u>WH 612</u>	Kit, Tool	Qty	MSRP	Extended
WH 105	Tool	1	\$ 57	\$ 57
TJ 064	Fill Tube	1	\$ 17	\$ 17
				\$ 74

<u>WH 610</u>	Kit, Overhaul	Qty	MSRP	Extended
BJ 048-F	Viscous Fluid, Fast - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
PL 529	WH Manual Insert	1	\$ -	\$ -
RJ 008	O-Ring	1	\$ 1	\$ 1
RJ 014	Wave Spring	1	\$ 2	\$ 2
RJ 021-S	Weep Seal	1	\$ 8	\$ 8
TJ 007	Bearing, Ball	2	\$ 35	\$ 70
TJ 011	Brass Seat	1	\$ 20	\$ 20
WH 010	Seal, Shaft	2	\$ 6	\$ 12
WH 012-O	H.P. Seal & O-Ring	1	\$ 22	\$ 22
WHP 032	Retaining Ring, SS Spiral Ext 1.56	1	\$ 6	\$ 6
				\$ 163

Tool Kits

WH 610-NF	Kit, Overhaul, (No Fluid)	Qty	MSRP	Extended
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
RJ 008	O-Ring	1	\$ 1	\$ 1
RJ 014	Wave Spring	1	\$ 2	\$ 2
RJ 021-S	Weep Seal	1	\$ 8	\$ 8
TJ 007	Bearing, Ball	2	\$ 35	\$ 70
TJ 011	Brass Seat	1	\$ 20	\$ 20
WH 010	Seal, Shaft	2	\$ 6	\$ 12
WH 012-O	H.P. Seal & O-Ring	1	\$ 22	\$ 22
PL 529	WH Manual Insert	1	\$ -	\$ -
WHP 032	Retaining Ring, SS Spiral Ext 1.56	1	\$ 6	\$ 6
				\$ 143

WHP 600	Kit, Service	Qty	MSRP	Extended
BJ 048-F	Viscous Fluid, Fast - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
TJ 011	Brass Seat	1	\$ 20	\$ 20
WH 012-O	H.P. Seal & O-Ring	1	\$ 22	\$ 22
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
PL 592	WHP Manual Insert	1	\$ -	\$ -
WHP 032	Retaining Ring, SS Spiral Ext 1.56	1	\$ 6	\$ 6
				\$ 74

WHP 610	Kit, Overhaul	Qty	MSRP	Extended
BJ 048-F	Viscous Fluid, Fast - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
RJ 008	O-Ring	1	\$ 1	\$ 1
RJ 014	Wave Spring	1	\$ 2	\$ 2
RJ 021-S	Weep Seal	1	\$ 8	\$ 8
TJ 007	Bearing, Ball	2	\$ 35	\$ 70
TJ 011	Brass Seat	1	\$ 20	\$ 20
WH 010	Seal, Shaft	2	\$ 6	\$ 12
WH 012-O	H.P. Seal & O-Ring	1	\$ 22	\$ 22
PL 592	WHP Manual Insert	1	\$ -	\$ -
WHP 032	Retaining Ring, SS Spiral Ext 1.56	1	\$ 6	\$ 6
				\$ 163

Nozzles

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
AP2 ???	Attack Tip, 1/8 NPT	\$ 27
AP2 018	Attack Tip, 1/8 NPT	\$ 27
AP2 020	Attack Tip, 1/8 NPT	\$ 27
AP2 022	Attack Tip, 1/8 NPT	\$ 27
AP2 024	Attack Tip, 1/8 NPT	\$ 27
AP2 026	Attack Tip, 1/8 NPT	\$ 27
AP2 029	Attack Tip, 1/8 NPT	\$ 27
AP2 032	Attack Tip, 1/8 NPT	\$ 27
AP2 035	Attack Tip, 1/8 NPT	\$ 27
AP2 038	Attack Tip, 1/8 NPT	\$ 27
AP2 042	Attack Tip, 1/8 NPT	\$ 27
AP2 047	Attack Tip, 1/8 NPT	\$ 27
AP2 052	Attack Tip, 1/8 NPT	\$ 27
AP2 057	Attack Tip, 1/8 NPT	\$ 27
AP2 063	Attack Tip, 1/8 NPT	\$ 27
AP2 069	Attack Tip, 1/8 NPT	\$ 27
AP2 075	Attack Tip, 1/8 NPT	\$ 27
AP2 082	Attack Tip, 1/8 NPT	\$ 27
AP2 090	Attack Tip, 1/8 NPT	\$ 27
AP2 098	Attack Tip, 1/8 NPT	\$ 27
AP2 106	Attack Tip, 1/8 NPT	\$ 27
AP2 115	Attack Tip, 1/8 NPT	\$ 27
AP2 125	Attack Tip, 1/8 NPT	\$ 27
AP2 135	Attack Tip, 1/8 NPT	\$ 27
AP2 145	Attack Tip, 1/8 NPT	\$ 27
AP2 155	Attack Tip, 1/8 NPT	\$ 27
AP2 165	Attack Tip, 1/8 NPT	\$ 27

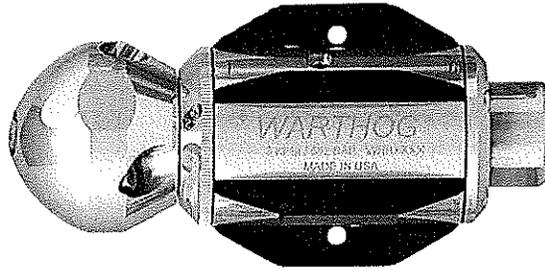
All Parts

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WH-1/2-PKG	Warthog WH-1/2 Package	\$ 1,468
WH-1/2-DS-PKG	Warthog WH-1/2 Descaling Package	\$ 1,635
WH-1/2-BSPP-PKG	Warthog WH-1/2 Package-BSP	\$ 1,468
WH-1/2-DS-BSPP-PKG	Warthog WH-1/2 Descaling Package-BSP	\$ 1,635
WH-3/4-PKG	Warthog WH-3/4 Package	\$ 1,468
WH-3/4-DS-PKG	Warthog WH-3/4 Descaling Package	\$ 1,635
WH-3/4-BSPP-PKG	Warthog WH-3/4 Package-BSP	\$ 1,468
WH-3/4-DS-BSPP-PKG	Warthog WH-3/4 Descaling Package-BSP	\$ 1,635
WHP-3/4-PKG	Warthog WHP-3/4 Package	\$ 1,588
WHP-3/4-DS-PKG	Warthog WHP-3/4 Descaling Package	\$ 1,766
WHP-3/4-BSPP-PKG	Warthog WHP-3/4 Package-BSP	\$ 1,588
WHP-3/4-DS-BSPP-PKG	Warthog WHP-3/4 Descaling Package-BSP	\$ 1,766
BJ 048-F	Viscous Fluid, Fast - 6oz.	\$ 20
BJ 062-S	Antiseize, 2g	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	\$ 4
RJ 008	O-Ring	\$ 1
RJ 014	Wave Spring	\$ 2
RJ 021-S	Weep Seal	\$ 8
TJ 007	Bearing, Ball	\$ 35
TJ 011	Brass Seat	\$ 20
TJ 016	O-Ring	\$ 2
TJ 064	Fill Tube	\$ 17
WH 001	Shaft	\$ 365
WH 003	Body	\$ 225
WH 010	Seal, Shaft	\$ 6
WH 012-O	H.P. Seal & O-Ring	\$ 22
WH 040-DS-R3	Head, Descaling, 8k psi, 1/8"NPT	\$ 420
WH 040-DS-R45	Head, Descaling, 8k psi, 1/8"NPT	\$ 420
WH 040-DS-R6	Head, Descaling, 8k psi, 1/8"NPT	\$ 420
WH 040-DS-R8	Head, Descaling, 8k psi, 1/8"NPT	\$ 420
WH 040-MH-R12	Head, Manhole Cleaner	\$ 452
WH 040-MH-R25	Head, Manhole Cleaner	\$ 462
WH 040-P2-5-R3	Head, 8k psi, 1/8" NPT, 5 Ports (AA49)	\$ 436
WH 040-R3	Head, 8k psi, 1/8" NPT	\$ 284
WH 040-R45	Head, 8k psi, 1/8" NPT	\$ 284
WH 040-R6	Head, 8k psi, 1/8"NPT	\$ 284
WH 040-R8	Head, 8k psi, 1/8" NPT	\$ 284
WH 041	Bushing, Head	\$ 25
WH 044-P4-6-R30	Head, 3/8" NPT Inlet	\$ -
WH 080-4	Centralizer, Swivel	\$ 150
WH 102-BSPP12	Inlet Nut	\$ 340
WH 102-BSPP8	OBS, USE WH 002-BSPP8, Inlet Nut	\$ -

All Parts - Continued

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WH 102-P12	Inlet Nut, P12, w/Ret Ring Groove	\$ 340
WH 102-P8	Inlet Nut	\$ 320
WH 105	Tool	\$ 57
WH 600	Kit, Service	\$ 68
WH 602	Kit, Seal	\$ 42
WH 610	Kit, Overhaul	\$ 163
WH 610-NF	Kit, Overhaul, (No Fluid)	\$ 143
WH 612	Kit, Tool	\$ 74
WH-1/2	Warthog Assy w/ Centralizer	\$ 1,103
WH-1/2-BSPP	Warthog Assy w/ Centralizer	\$ 1,103
WH-3/4	Warthog Assy w/ Centralizer	\$ 1,103
WH-3/4-BSPP	Warthog Assy w/ Centralizer	\$ 1,103
WHP 032	Retaining Ring, SS Spiral Ext 1.56	\$ 6
WHP 040-R5	Head, Puller, 8K psi, 1/8 NPT ports	\$ 273
WHP 080	Centralizer Assy	\$ 175
WHP 600	Kit, Service	\$ 74
WHP 610	Kit, Overhaul	\$ 163
WHP-3/4	Warthog, Puller Assy w/ Centralizer	\$ 1,234
WHP-3/4-BSPP	Warthog, Puller Assy w/ Centralizer	\$ 1,234

WHR



Domestic Packages

<u>WHR-1/2-PKG</u>	WHR-1/2 Package	Qty	MSRP	Extended
WHR-1/2	Warthog Assy w/Fins	1	\$ 1,972	\$ 1,972
WHR 040-???	WHR Head Placeholder	1	\$ 355	\$ 355
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,502

<u>WHR-3/4-PKG</u>	WHR-3/4 Package	Qty	MSRP	Extended
WHR-3/4	Warthog Assy w/Fins	1	\$ 1,972	\$ 1,972
WHR 040-???	WHR Head Placeholder	1	\$ 355	\$ 355
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,502

International Packages

<u>WHR-1/2-BSPP-PKG</u>	WHR-1/2 BSPP Package	Qty	MSRP	Extended
WHR-1/2-BSPP	Warthog Assy w/Fins, BSPP	1	\$ 1,972	\$ 1,972
WHR 040-???	WHR Head Placeholder	1	\$ 355	\$ 355
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,502

<u>WHR-3/4-BSPP-PKG</u>	WHR-3/4 BSPP Package	Qty	MSRP	Extended
WHR-3/4-BSPP	Warthog Assy w/Fins, BSPP	1	\$ 1,972	\$ 1,972
WHR 040-???	WHR Head Placeholder	1	\$ 355	\$ 355
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
CNP2 ???	Carbide Nozzle Assy, place holder	2	\$ 35	\$ 70
				\$ 2,502

Available Heads

WHR 040-R18	Head Assy, R18, WHR	\$ 355
WHR 040-R28	Head Assy, R28, WHR	\$ 355
WHR 040-R38	Head Assy, R38, WHR	\$ 355

Tool Kits

<u>WHR 600</u>	Kit, Service	Qty	MSRP	Extended
BJ 048-M	Viscous Fluid, Medium - 6oz	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
GSS 625-20-25CU	Set Screw, 1/4-20 x 1/4 Cup Point Brass	2	\$ 3	\$ 6
MJ 008	O-Ring	2	\$ 1	\$ 2
RJ 040-K	O-Ring (same as CAT 305)	2	\$ 1	\$ 2
SC212 007	Bearing	1	\$ 50	\$ 50
WHR 006	Seal, Shaft	2	\$ 9	\$ 18
WHR 009	Bearing, Body (slip fit)	1	\$ 55	\$ 55
WHR 010	Seal, Shaft	2	\$ 5	\$ 10
WHR 011	Spacer, Seal	2	\$ 2	\$ 4
WHR 030	Torx Screw, 10-24 x 3/8, Pan Head, SS	4	\$ 1	\$ 4
WHR 076	Oring, for Nut	1	\$ 1	\$ 1
WS 210	O-Ring	1	\$ 1	\$ 1
				\$ 175

<u>WHR 602</u>	Kit, Seal, HP	Qty	MSRP	Extended
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
RJ 040-K	O-Ring (same as CAT 305)	2	\$ 1	\$ 2
WHR 052	Wave Spring	2	\$ 3	\$ 6
WHR 058	Seal, Shaft HP	1	\$ 80	\$ 80
WHR 059	Seal, Nut HP	1	\$ 85	\$ 85
				\$ 175

Kits

WHR 610	Kit, Overhaul	Qty	MSRP	Extended
BJ 026	Port Plug	2	\$ 15	\$ 30
BJ 048-M	Viscous Fluid, Medium - 6oz	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
GSS 625-20-25CU	Set Screw, 1/4-20 x 1/4 Cup Point Brass	2	\$ 3	\$ 6
MJ 008	O-Ring	2	\$ 1	\$ 2
RJ 040-K	O-Ring (same as CAT 305)	2	\$ 1	\$ 2
SC212 007	Bearing	1	\$ 50	\$ 50
WGR 180	Torx L-Key T25	1	\$ 7	\$ 7
WHR 006	Seal, Shaft	2	\$ 9	\$ 18
WHR 009	Bearing, Body (slip fit)	1	\$ 55	\$ 55
WHR 010	Seal, Shaft	2	\$ 5	\$ 10
WHR 011	Spacer, Seal	2	\$ 2	\$ 4
WHR 014	Wave Spring for Bearing	1	\$ 10	\$ 10
WHR 030	Torx Screw, 10-24 x 3/8, Pan Head, SS	4	\$ 1	\$ 4
WHR 052	Wave Spring	2	\$ 3	\$ 6
WHR 058	Seal, Shaft HP	1	\$ 80	\$ 80
WHR 059	Seal, Nut HP	1	\$ 85	\$ 85
WHR 076	Oring, for Nut	1	\$ 1	\$ 1
WS 210	O-Ring	1	\$ 1	\$ 1
GP 049.1	Syringe, Plastic, .68oz	1	\$ 4	\$ 4
GP 049.2	Cap, Syringe, Lock Cap	1	\$ 3	\$ 3
WHR 029	Seal, Head	1	\$ 5	\$ 5
				\$ 409

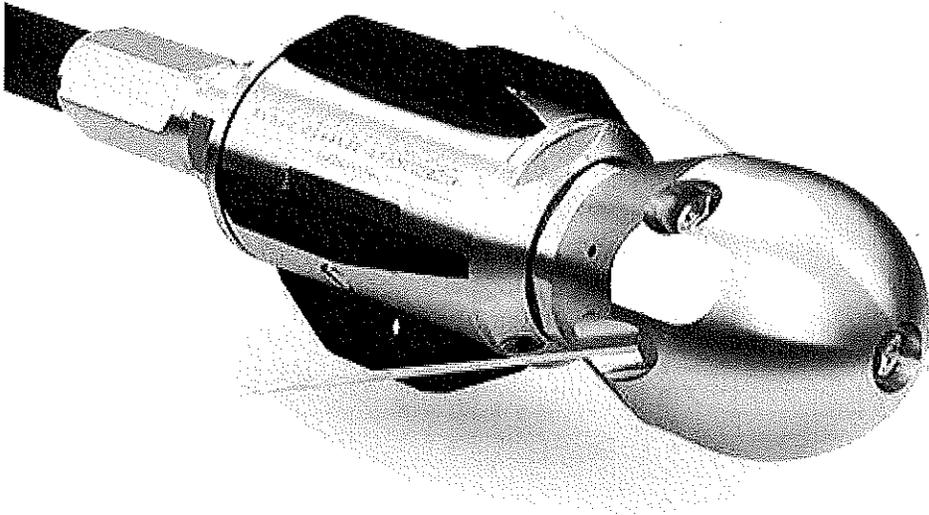
WHR 612	Kit, Tool	Qty	MSRP	Extended
BA 481	Tool, Bearing Removal	1	\$ 58	\$ 58
WGR 180	Torx L-Key T25	1	\$ 7	\$ 7
WGR 186	HP Seal Puller	1	\$ 18	\$ 18
WHR 181	Tool, Removal Press Tube	1	\$ 60	\$ 60
WHR 182	Tool, Installation Press Tube	1	\$ 60	\$ 60
WHR 183	Tool, Hex	1	\$ 75	\$ 75
WHR 184	Tool, HP Seal Installer	1	\$ 26	\$ 26
WHR 187	Tool, HP Seal Puller Pin	1	\$ 60	\$ 60
				\$ 364

WHR Switcher Packages

<u>WHR-3/4-SWT-PKG</u>	<u>WHR 3/4 Switcher Package</u>	<u>Qty</u>	<u>MSRP</u>	<u>Extended</u>
WHR-3/4	Warthog Assy w/Fins	1	\$ 1,972	\$ 1,972
WHR 040-R??-SWT	WHR Switcher Head, Place Holder	1	\$ 1,497	\$ 1,497
CNP2 ???	Carbide Nozzle Assy, place holder	1	\$ 35	\$ 35
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
CNP2 ???	Carbide Nozzle Assy, place holder	3	\$ 35	\$ 105
				<u>\$ 3,714</u>

Available Heads

WHR 040-R18-SWT	WHR, Switcher Head Assmbly, R18	\$ 1,497
WHR 040-R28-SWT	WHR, Switcher Head Assmbly, R28	\$ 1,497



Nozzles

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
CNP2 020	Carbide Nozzle Assy, 020	\$ 35
CNP2 024	Carbide Nozzle Assy, 024	\$ 35
CNP2 028	Carbide Nozzle Assy, 028	\$ 35
CNP2 032	Carbide Nozzle Assy, 032	\$ 35
CNP2 035	Carbide Nozzle Assy, 035	\$ 35
CNP2 038	Carbide Nozzle Assy, 038	\$ 35
CNP2 042	Carbide Nozzle Assy, 042	\$ 35
CNP2 047	Carbide Nozzle Assy, 047	\$ 35
CNP2 052	Carbide Nozzle Assy, 052	\$ 35
CNP2 057	Carbide Nozzle Assy, 057	\$ 35
CNP2 063	Carbide Nozzle Assy, 063	\$ 35
CNP2 069	Carbide Nozzle Assy, 069	\$ 35
CNP2 075	Carbide Nozzle Assy, 075	\$ 35
CNP2 082	Carbide Nozzle Assy, 082	\$ 35
CNP2 090	Carbide Nozzle Assy, 090	\$ 35
CNP2 098	Carbide Nozzle Assy, 098	\$ 35
CNP2 106	Carbide Nozzle Assy, 106	\$ 35
CNP2 115	Carbide Nozzle Assy, 115	\$ 35
CNP2 125	Carbide Nozzle Assy, 125	\$ 35
CNP2 135	Carbide Nozzle Assy, 135	\$ 35
CNP2 145	Carbide Nozzle Assy, 145	\$ 35
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	\$ 4

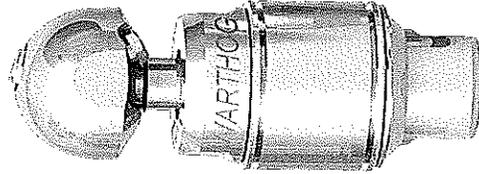
All Parts

Part ID	Description	MSRP
WHR-1/2-PKG	WHR-1/2 Package	\$ 2,502
WHR-3/4-PKG	WHR-3/4 Package	\$ 2,502
WHR-1/2-BSPP-PKG	WHR-1/2 BSPP Package	\$ 2,502
WHR-3/4-BSPP-PKG	WHR-3/4 BSPP Package	\$ 2,502
WHR-3/4-SWT-PKG	WHR 3/4 Switcher Package	\$ 3,714
BA 481	Tool, Bearing Removal	\$ 58
BJ 026	Port Plug	\$ 15
BJ 048-M	Viscous Fluid, Medium - 6oz	\$ 20
BJ 062-S	Antiseize, 2g	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	\$ 4
GSS 625-20-25CU	Set Screw, 1/4-20 x 1/4 Cup Point Brass	\$ 3
MJ 008	O-Ring	\$ 1
RJ 040-K	O-Ring (same as CAT 305)	\$ 1
SC212 007	Bearing	\$ 50
WGR 180	Torx L-Key T25	\$ 7
WGR 186	HP Seal Puller	\$ 18
WHR 001	Shaft	\$ 475
WHR 002-BSPP12	Inlet Nut, BSPP12	\$ 335
WHR 002-BSPP8	Inlet Nut, BSPP8	\$ 335
WHR 002-P12	Inlet Nut, P12	\$ 335
WHR 002-P8	Inlet Nut, P8	\$ 335
WHR 003	Body	\$ 385
WHR 004	Front Nut	\$ 115
WHR 006	Seal, Shaft	\$ 9
WHR 009	Bearing, Body (slip fit)	\$ 55
WHR 010	Seal, Shaft	\$ 5
WHR 011	Spacer, Seal	\$ 2
WHR 014	Wave Spring for Bearing	\$ 10
WHR 020	Back Plate	\$ 77
WHR 029	Seal, Head	\$ 5
WHR 030	Torx Screw, 10-24 x 3/8, Pan Head, SS	\$ 1
WHR 040.1-R18	Head, R18, WHR (no bushing)	\$ 285
WHR 040.1-R28	Head, R28, WHR (no bushing)	\$ 285
WHR 040.1-R38	Head, R38, WHR (no bushing)	\$ 275
WHR 040-R18	Head Assy, R18, WHR	\$ 355
WHR 040-R18-SWT	WHR, Switcher Head Assmby, R18	\$ 1,497
WHR 040-R28	Head Assy, R28, WHR	\$ 355
WHR 040-R28-SWT	WHR, Switcher Head Assmby, R28	\$ 1,497
WHR 040-R38	Head Assy, R38, WHR	\$ 355
WHR 041	Bushing, Head, WHR	\$ 65
WHR 052	Wave Spring	\$ 3
WHR 058	Seal, Shaft HP	\$ 80

All Parts - Continued

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WHR 059	Seal, Nut HP	\$ 85
WHR 060-R18	Head Switcher, Ported, R18	\$ 700
WHR 060-R28	Head Switcher, Ported, R28	\$ 700
WHR 061-.875-1.5	Bushing, .875-1.5, SS	\$ 150
WHR 062	Cartridge Assy, WHR Switcher	\$ 330
WHR 064	Poppet, WHR Switcher	\$ 350
WHR 065	O-ring, WHR Switcher	\$ 1
WHR 066	Spring, Compression, SS	\$ 3
WHR 076	Oring, for Nut	\$ 1
WHR 081	Fin	\$ 62
WHR 600	Kit, Service	\$ 180
WHR 602	Kit, Seal, HP	\$ 175
WHR 610	Kit, Overhaul	\$ 407
WHR-3/4	Warthog Assy w/Fins	\$ 1,972
WS 210	O-Ring	\$ 1

WS



WS-1/2 Domestic Packages

<u>WS-1/2-PKG</u>	Warthog WS-1/2 Package	Qty	MSRP	Extended
WS-1/2	Warthog Assy w/ Whip Hose	1	\$ 953	\$ 953
WS 040-R3	Head, 4k psi, 1/8"NPT	1	\$ 185	\$ 185
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,219

<u>WS-1/2-DS-PKG</u>	Warthog WS-1/2 Descaling Package	Qty	MSRP	Extended
WS-1/2	Warthog Assy w/ Whip Hose	1	\$ 953	\$ 953
WS 040-DS-R3	Head, Descaling, 4k psi, 1/8"NPT	1	\$ 283	\$ 283
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,348

WS-1/2 International Packages

<u>WS-1/2-BSPP-PKG</u>	Warthog WS-1/2 Package-BSP	Qty	MSRP	Extended
WS-1/2-BSPP	Warthog Assy w/ Whip Hose	1	\$ 953	\$ 953
WS 040-R3	Head, 4k psi, 1/8"NPT	1	\$ 185	\$ 185
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,219

<u>WS-1/2-DS-BSPP-PKG</u>	Warthog WS-1/2 Descaling Package-BSP	Qty	MSRP	Extended
WS-1/2-BSPP	Warthog Assy w/ Whip Hose	1	\$ 953	\$ 953
WS 040-DS-R3	Head, Descaling, 4k psi, 1/8"NPT	1	\$ 283	\$ 283
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,348

WS-1/2-J Domestic Packages

<u>WS-1/2-J-PKG</u>	Warthog WS-1/2-J Package	Qty	MSRP	Extended
WS-1/2-J	Balljoint Warthog Assy	1	\$ 1,195	\$ 1,195
WS 040-R3	Head, 4k psi, 1/8"NPT	1	\$ 185	\$ 185
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,461

<u>WS-1/2-J-DS-PKG</u>	Warthog WS-1/2-J Descaling Package	Qty	MSRP	Extended
WS-1/2-J	Balljoint Warthog Assy	1	\$ 1,195	\$ 1,195
WS 040-DS-R3	Head, Descaling, 4k psi, 1/8"NPT	1	\$ 283	\$ 283
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,590

WS-1/2-J International Packages

<u>WS-1/2-J-BSPP-PKG</u>	Warthog WS-1/2-J Package-BSPP	Qty	MSRP	Extended
WS-1/2-J-BSPP	Balljoint Warthog Assy	1	\$ 1,195	\$ 1,195
WS 040-R3	Head, 4k psi, 1/8"NPT	1	\$ 185	\$ 185
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,461

<u>WS-1/2-J-DS-BSPP-PKG</u>	Warthog WS-1/2-J Descaling Package-BSPP	Qty	MSRP	Extended
WS-1/2-J-BSPP	Balljoint Warthog Assy	1	\$ 1,195	\$ 1,195
WS 040-DS-R3	Head, Descaling, 4k psi, 1/8"NPT	1	\$ 283	\$ 283
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,590

WS - Without Whip Hose - Packages

<u>WS-P8-PKG</u>	Warthog WS-1/2F Package	Qty	MSRP	Extended
WS-P8	Warthog Assy W/O Hose	1	\$ 1,020	\$ 1,020
WS 040-R3	Head, 4k psi, 1/8"NPT	1	\$ 185	\$ 185
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,286

<u>WS-BSPP8-PKG</u>	Warthog WS-1/2F Package-BSP	Qty	MSRP	Extended
WS-BSPP8	Warthog Assy W/O Hose, BSP inlet	1	\$ 932	\$ 932
WS 040-R3	Head, 4k psi, 1/8"NPT	1	\$ 185	\$ 185
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 1,198

Tool Kits

<u>WS 600</u>	Kit, Service	Qty	MSRP	Extended
BC 410	Syringe Assy	1	\$ 30	\$ 30
BJ 048-S	Viscous Fluid, Slow - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
PL 530	WS-Half Manual Insert	1	\$ -	\$ -
RJ 011	Brass Seat	1	\$ 15	\$ 15
RJ 012-TO	H.P. Seal & O-Ring	1	\$ 16	\$ 16
				\$ 87

<u>WS 602</u>	Kit, Seal	Qty	MSRP	Extended
RJ 011	Brass Seat	1	\$ 15	\$ 15
RJ 012-TO	H.P. Seal & O-Ring	1	\$ 16	\$ 16
				\$ 31

<u>WS 610</u>	Kit, Overhaul	Qty	MSRP	Extended
BJ 026	Port Plug	1	\$ 15	\$ 15
BJ 048-S	Viscous Fluid, Slow - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
PL 530	WS-Half Manual Insert	1	\$ -	\$ -
RJ 008	O-Ring	1	\$ 1	\$ 1
RJ 011	Brass Seat	1	\$ 15	\$ 15
RJ 012-TO	H.P. Seal & O-Ring	1	\$ 16	\$ 16
TJ 007	Bearing, Ball	3	\$ 35	\$ 105
WS 010	Seal, Small	1	\$ 6	\$ 6
WS 021-S	Weep Seal	1	\$ 7	\$ 7
WS 029	Seal, Large	1	\$ 7	\$ 7
				\$ 194

<u>WS 612</u>	Kit, Tool	Qty	MSRP	Extended
TJ 064	Fill Tube	1	\$ 17	\$ 17
WS 105	Tool	1	\$ 28	\$ 28
				\$ 45

Tool Kits

<u>WS 610-J</u>	Kit, Overhaul	Qty	MSRP	Extended
PL 531	WS-J Manual Insert	1	\$ -	\$ -
BJ 026	Port Plug	1	\$ 15	\$ 15
BJ 048-S	Viscous Fluid, Slow - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
RJ 008	O-Ring	1	\$ 1	\$ 1
RJ 011	Brass Seat	1	\$ 15	\$ 15
RJ 012-TO	H.P. Seal & O-Ring	1	\$ 16	\$ 16
TJ 007	Bearing, Ball	3	\$ 35	\$ 105
WS 010	Seal, Small	1	\$ 6	\$ 6
WS 029	Seal, Large	1	\$ 7	\$ 7
WS 208	O-Ring	1	\$ 1	\$ 1
WS 210	O-Ring	2	\$ 1	\$ 2
				\$ 190

Nozzles

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
AP2 ???	Attack Tip, 1/8 NPT	\$ 27
AP2 018	Attack Tip, 1/8 NPT	\$ 27
AP2 020	Attack Tip, 1/8 NPT	\$ 27
AP2 022	Attack Tip, 1/8 NPT	\$ 27
AP2 024	Attack Tip, 1/8 NPT	\$ 27
AP2 026	Attack Tip, 1/8 NPT	\$ 27
AP2 029	Attack Tip, 1/8 NPT	\$ 27
AP2 032	Attack Tip, 1/8 NPT	\$ 27
AP2 035	Attack Tip, 1/8 NPT	\$ 27
AP2 038	Attack Tip, 1/8 NPT	\$ 27
AP2 042	Attack Tip, 1/8 NPT	\$ 27
AP2 047	Attack Tip, 1/8 NPT	\$ 27
AP2 052	Attack Tip, 1/8 NPT	\$ 27
AP2 057	Attack Tip, 1/8 NPT	\$ 27
AP2 063	Attack Tip, 1/8 NPT	\$ 27
AP2 069	Attack Tip, 1/8 NPT	\$ 27
AP2 075	Attack Tip, 1/8 NPT	\$ 27
AP2 082	Attack Tip, 1/8 NPT	\$ 27
AP2 090	Attack Tip, 1/8 NPT	\$ 27
AP2 098	Attack Tip, 1/8 NPT	\$ 27
AP2 106	Attack Tip, 1/8 NPT	\$ 27
AP2 115	Attack Tip, 1/8 NPT	\$ 27
AP2 125	Attack Tip, 1/8 NPT	\$ 27
AP2 135	Attack Tip, 1/8 NPT	\$ 27
AP2 145	Attack Tip, 1/8 NPT	\$ 27
AP2 155	Attack Tip, 1/8 NPT	\$ 27
AP2 165	Attack Tip, 1/8 NPT	\$ 27

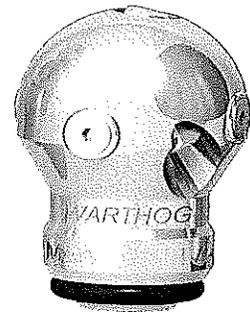
All Parts

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WS-1/2-PKG	Warthog WS-1/2 Package	\$ 1,219
WS-1/2-DS-PKG	Warthog WS-1/2 Descaling Package	\$ 1,348
WS-1/2-BSPP-PKG	Warthog WS-1/2 Package-BSP	\$ 1,219
WS-1/2-DS-BSPP-PKG	Warthog WS-1/2 Descaling Package-BSP	\$ 1,348
WS-1/2-J-PKG	Warthog WS-1/2-J Package	\$ 1,461
WS-1/2-J-DS-PKG	Warthog WS-1/2-J Descaling Package	\$ 1,590
WS-1/2-J-BSPP-PKG	Warthog WS-1/2-J Package-BSP	\$ 1,461
WS-1/2-J-DS-BSPP-PKG	Warthog WS-1/2-J Descaling Package-BSP	\$ 1,590
WS-P8-PKG	Warthog WS-1/2F Package	\$ 1,292
WS-BSPP8-PKG	Warthog WS-1/2F Package-BSP	\$ 1,198
BC 410	Syringe Assy	\$ 30
BJ 026	Port Plug	\$ 15
BJ 048-S	Viscous Fluid, Slow - 6oz.	\$ 20
BJ 062-S	Antiseize, 2g	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	\$ 4
RJ 008	O-Ring	\$ 1
RJ 011	Brass Seat	\$ 15
RJ 012-TO	H.P. Seal & O-Ring	\$ 16
RJ 016	O-Ring	\$ 2
TJ 007	Bearing, Ball	\$ 35
TJ 064	Fill Tube	\$ 17
WS 001	Shaft	\$ 245
WS 002	Nut	\$ 245
WS 002-BSPP8	Inlet Nut (WS-PSPP8)	\$ 325
WS 002-P8	Inlet Nut (WS-P8)	\$ 310
WS 003	Body	\$ 240
WS 010	Seal, Small	\$ 6
WS 020-2	Whip Hose Assy, 2' OAL	\$ 70
WS 020-35	Whip Hose Assy, 35 FT OAL	\$ 460
WS 020-BSPP8	Whip Hose Assy, 2' OAL	\$ 105
WS 021-S	Weep Seal	\$ 7
WS 029	Seal, Large	\$ 7
WS 040-DS-R3	Head, Descaling, 4k psi, 1/8"NPT	\$ 283
WS 040-DS-R5	Head, Descaling, 4k psi, 1/8"NPT	\$ 283
WS 040-FJ-R3	Head, 4k psi, 1/8"NPT (front jet)	\$ 412
WS 040-R3	Head, 4k psi, 1/8"NPT	\$ 185
WS 040-R5	Head, 4k psi, 1/8"NPT	\$ 185
WS 080	Centralizer Ring, Grooved	\$ 60
WS 084	Centralizer Cage, Assy	\$ 130
WS 085	Centralizer Cage, Alone - sell WS 084	\$ -
WS 086	Retaining Ring, SS External 1.875	\$ 10
WS 105	Tool	\$ 28

All Parts - Continued

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WS 201	Nut	\$ 220
WS 202	Nut, Face	\$ 120
WS 203	Nipple	\$ 100
WS 208	O-Ring	\$ 1
WS 210	O-Ring	\$ 1
WS 600	Kit, Service	\$ 78
WS 602	Kit, Seal	\$ 31
WS 610	Kit, Overhaul	\$ 194
WS 610-J	Kit, Overhaul	\$ 190
WS 612	Kit, Tool	\$ 45
WS-1/2	Warthog Assy w/ Whip Hose	\$ 953
WS-1/2-BSPP	Warthog Assy w/ Whip Hose	\$ 953
WS-1/2-J	Balljoint Warthog Assy	\$ 1,195
WS-1/2-J-BSPP	Balljoint Warthog Assy	\$ 1,195
WS-BSPP8	Warthog Assy W/O Hose, BSP inlet	\$ 932
WSH 032	Retaining Ring, Spiral Int 1.687	\$ -
WS-P6	Warthog Assy W/O Hose	\$ 1,020
WS-P8	Warthog Assy W/O Hose	\$ 1,020

WT



WT-3/8 Domestic Package

<u>WT-3/8-PKG</u>	Warthog WT-3/8 Package	Qty	MSRP	Extended
WT-3/8-R31-C	Warthog, 8-12 gpm w/ Carbide Button	1	\$ 745	\$ 745
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 826

WT-3/8 International Package

<u>WT-3/8-BSPP-PKG</u>	Warthog WT-3/8 Package-BSP	Qty	MSRP	Extended
WT-BSPP6-R31-C	Warthog, 8-12 gpm(31-45 Lpm) w/ Carbide Button	1	\$ 745	\$ 745
AP2 ???	Attack Tip, 1/8 NPT	1	\$ 27	\$ 27
AP2 ???	Attack Tip, 1/8 NPT	2	\$ 27	\$ 54
				\$ 826

Tool Kits

WT 600	Kit, Service	Qty	MSRP	Extended
BC 410	Syringe Assy	1	\$ 30	\$ 30
BJ 026	Port Plug	1	\$ 15	\$ 15
BJ 048-S	Viscous Fluid, Slow - 6oz.	1	\$ 20	\$ 20
BJ 062-S	Antiseize, 2g	1	\$ 2	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	1	\$ 4	\$ 4
PL 528	WT-XX Manual Insert	1	\$ -	\$ -
RJ 011-K	Brass Seat	1	\$ 17	\$ 17
RJ 012-KTO	H.P. Seal & O-Ring	1	\$ 16	\$ 16
WT 014	Wave Spring	1	\$ 3	\$ 3
				\$ 107

WT 602	Kit, Seal	Qty	MSRP	Extended
RJ 011-K	Brass Seat	1	\$ 17	\$ 17
RJ 012-KTO	H.P. Seal & O-Ring	1	\$ 16	\$ 16
WT 014	Wave Spring	1	\$ 3	\$ 3
				\$ 36

WT 610	Kit, Overhaul	Qty	MSRP	Extended
BJ 026	Port Plug	1	\$ 15	\$ 15
BJ 048-S	Viscous Fluid, Slow - 6oz.	1	\$ 20	\$ 20
PL 528	WT-XX Manual Insert	1	\$ -	\$ -
RJ 011-K	Brass Seat	1	\$ 17	\$ 17
RJ 012-KTO	H.P. Seal & O-Ring	1	\$ 16	\$ 16
WT 006	Seal	1	\$ 6	\$ 6
WT 007	Bearing, Ball	2	\$ 20	\$ 40
WT 008	O-Ring	1	\$ 1	\$ 1
WT 010	Seal	1	\$ 5	\$ 5
WT 014	Wave Spring	1	\$ 3	\$ 3
WT 030	O-Ring	1	\$ 1	\$ 1
WT 032	Retaining Ring, Spiral Int 1.188	1	\$ 4	\$ 4
WT 033	Retaining Ring, HD External .473	1	\$ 3	\$ 3
				\$ 131

WT 612	Kit, Tool	Qty	MSRP	Extended
BA 100	Retaining Ring Pliers	1	\$ 36	\$ 36
WT 105	Tool	1	\$ 50	\$ 50
				\$ 86

Nozzles

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
AP2 ???	Attack Tip, 1/8 NPT	\$ 27
AP2 018	Attack Tip, 1/8 NPT	\$ 27
AP2 020	Attack Tip, 1/8 NPT	\$ 27
AP2 022	Attack Tip, 1/8 NPT	\$ 27
AP2 024	Attack Tip, 1/8 NPT	\$ 27
AP2 026	Attack Tip, 1/8 NPT	\$ 27
AP2 029	Attack Tip, 1/8 NPT	\$ 27
AP2 032	Attack Tip, 1/8 NPT	\$ 27
AP2 035	Attack Tip, 1/8 NPT	\$ 27
AP2 038	Attack Tip, 1/8 NPT	\$ 27
AP2 042	Attack Tip, 1/8 NPT	\$ 27
AP2 047	Attack Tip, 1/8 NPT	\$ 27
AP2 052	Attack Tip, 1/8 NPT	\$ 27
AP2 057	Attack Tip, 1/8 NPT	\$ 27
AP2 063	Attack Tip, 1/8 NPT	\$ 27
AP2 069	Attack Tip, 1/8 NPT	\$ 27
AP2 075	Attack Tip, 1/8 NPT	\$ 27
AP2 082	Attack Tip, 1/8 NPT	\$ 27
AP2 090	Attack Tip, 1/8 NPT	\$ 27
AP2 098	Attack Tip, 1/8 NPT	\$ 27
AP2 106	Attack Tip, 1/8 NPT	\$ 27
AP2 115	Attack Tip, 1/8 NPT	\$ 27
AP2 125	Attack Tip, 1/8 NPT	\$ 27
AP2 135	Attack Tip, 1/8 NPT	\$ 27
AP2 145	Attack Tip, 1/8 NPT	\$ 27
AP2 155	Attack Tip, 1/8 NPT	\$ 27
AP2 165	Attack Tip, 1/8 NPT	\$ 27

All Parts

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WT-3/8-PKG	Warthog WT-3/8 Package	\$ 826
WT-3/8-BSPP-PKG	Warthog WT-3/8 Package-BSP	\$ 826
WT 600	Kit, Service	\$ 96
WT 602	Kit, Seal	\$ 36
WT 610	Kit, Overhaul	\$ 131
WT 612	Kit, Tool	\$ 86
BA 100	Retaining Ring Pliers	\$ 36
BC 410	Syringe Assy	\$ 30
BJ 026	Port Plug	\$ 15
BJ 048-S	Viscous Fluid, Slow - 6oz.	\$ 20
BJ 062-S	Antiseize, 2g	\$ 2
GP 025-P2SS	Hex Socket Plug, 1/8 NPT Male, SS	\$ 4
RJ 011-K	Brass Seat	\$ 17
RJ 012-KTO	H.P. Seal & O-Ring	\$ 16
RJ 016-K	O-Ring	\$ 2
WT 001	Shaft	\$ 115
WT 001-BSPP6	Shaft	\$ 115
WT 002	Sleeve	\$ 40
WT 006	Seal	\$ 6
WT 007	Bearing, Ball	\$ 20
WT 008	O-Ring	\$ 1
WT 010	Seal	\$ 5
WT 014	Wave Spring	\$ 3
WT 030	O-Ring	\$ 1
WT 032	Retaining Ring, Spiral Int 1.188	\$ 4
WT 033	Retaining Ring, HD External .473	\$ 3
WT 039	Set Screw, 1/4-28 X 3/16, Cup, SS	\$ 1
WT 040-R31-C	Body w/ Set Screw & Carbide	\$ 520
WT 040-R60-C	Body w/ Set Screw & Carbides	\$ 520
WT 105	Tool	\$ 50
WT 150	Carbide Button	\$ 14
WT 152	Flat HD SCS, 10-32 x 7/16 SS	\$ 1
WT-3/8-R31-C	Warthog, 8-12 gpm w/ Carbide Button	\$ 745
WT-BSPP6-R31-C	Warthog, 8-12 gpm(31-45 Lpm) w/ Carbide Button	\$ 745

WV



WV-1/4 Domestic Tools

Tool	Description	MSRP
WV-1/4-LK-A	WV Assy w/ Locking Head, 3-4k psi @ 7-8gpm	\$ 475
WV-1/4-LK-B	WV Assy w/ Locking Head, 3-4k psi @ 5-6gpm	\$ 475
WV-1/4-LK-C	WV Assy w/ Locking Head, 3-4k psi @ 4-4.5gpm	\$ 475
WV-1/4-LK-D	WV Assy w/ Locking Head, 3-4k psi @ 3-3.5gpm	\$ 475

WV-1/4 International Tools

Tool	Description	MSRP
WV-1/4-BSP-LK-A	WV Assy w/ Locking Head, 3-4k psi @ 7-8gpm	\$ 475
WV-1/4-BSP-LK-B	WV Assy w/ Locking Head, 3-4k psi @ 5-6gpm	\$ 475
WV-1/4-BSP-LK-C	WV Assy w/ Locking Head, 3-4k psi @ 4-4.5gpm	\$ 475
WV-1/4-BSP-LK-D	WV Assy w/ Locking Head, 3-4k psi @ 3-3.5gpm	\$ 475

Tool Kits

<u>WV 612-LK</u>	Kit, Tool (Locking Head WV-P4, BSPP4)	Qty	MSRP	Extended
WV 181	Tool, Socket Wrench for Locking Head, WV, WU & BA	1	\$ 68	\$ 68
BA 185	Loctite, 262 Red .5mL	1	\$ 3	\$ 3
WV 010	Retaining Ring, SS Spiral Int 1.125	1	\$ 4	\$ 4
PL 594	WV-LK P4/BSPP Manual Insert	1	\$ -	\$ -
BA 182	Head Removal Tool (for Locking Head)	1	\$ 33	\$ 33
				<u>\$ 108</u>

All Parts

<u>Part ID</u>	<u>Description</u>	<u>MSRP</u>
WV-1/4-LK-A	WV Assy w/ Locking Head, 3-4k psi @ 7-8gpm	\$ 475
WV-1/4-LK-B	WV Assy w/ Locking Head, 3-4k psi @ 5-6gpm	\$ 475
WV-1/4-LK-C	WV Assy w/ Locking Head, 3-4k psi @ 4-4.5gpm	\$ 475
WV-1/4-LK-D	WV Assy w/ Locking Head, 3-4k psi @ 3-3.5gpm	\$ 475
WV-1/4-BSP-LK-A	WV Assy w/ Locking Head, 3-4k psi @ 7-8gpm	\$ 475
WV-1/4-BSP-LK-B	WV Assy w/ Locking Head, 3-4k psi @ 5-6gpm	\$ 475
WV-1/4-BSP-LK-C	WV Assy w/ Locking Head, 3-4k psi @ 4-4.5gpm	\$ 475
WV-1/4-BSP-LK-D	WV Assy w/ Locking Head, 3-4k psi @ 3-3.5gpm	\$ 475
BA 182	Head Removal Tool (for Locking Head)	\$ 33
BA 185	Loctite, 262 Red .5mL	\$ 3
BA 501-LK	Shaft, Locking	\$ 135
BA 508-LK	Pin, Ratchet Lock	\$ 6
BA 509-LK	Spring, Locking Head	\$ 3
BA 510-LK	Set Screw, Locking Head	\$ 3
GP 200-BSPP4	Copper Seal, 1/4" BSPP	\$ 2
WV 002-BSPP4	Inlet Nut, WV - 5k psi/350 bar, BSPP	\$ 105
WV 002-P4	Inlet Nut, WV-P4, 4k psi	\$ 105
WV 003	Body, WV, 4k psi	\$ 85
WV 008	O-Ring	\$ 1
WV 010	Retaining Ring, SS Spiral Int 1.125	\$ 4
WV 010	Retaining Ring, SS Spiral Int 1.125	\$ 4
WV 046-LK-A	Head Assembly	\$ 210
WV 046-LK-B	Head Assembly	\$ 210
WV 046-LK-C	Head Assembly	\$ 210
WV 046-LK-D	Head Assembly	\$ 210
WV 181	Tool, Socket Wrench for Locking Head, WV, WU & BA	\$ 68

JANUARY	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL	\$ 9,182.33	105.67	171.5	0.616	\$ 86.90	\$ 53.54
DELCOUR	\$ 14,449.25	139.82	163.5	0.855	\$ 103.34	\$ 88.37
GONZALES	\$ 10,625.73	115.13	166.5	0.691	\$ 92.29	\$ 63.82
JACKSON	\$ 10,519.51	120.75	161.25	0.749	\$ 87.12	\$ 65.24
JOHNSON	\$ 15,753.35	159.87	161.5	0.990	\$ 98.54	\$ 97.54
ROJAS	\$ 13,492.00	142.88	172	0.831	\$ 94.43	\$ 78.44
YANIRO	\$ 8,634.05	104.18	142.5	0.731	\$ 82.88	\$ 60.59
FLOWERS	\$ 1,323.11	12.05	171.5	0.070	\$ 109.80	\$ 7.71
				#DIV/0!	#DIV/0!	#DIV/0!
				0.000	#DIV/0!	#DIV/0!
TOTAL	\$ 83,979.33	900.35	1310.25	0.687	\$ 93.27	\$ 64.09
FEBRUARY	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL	\$ 9,049.15	94.67	140.5	0.674	\$ 95.59	\$ 64.41
DELCOUR	\$ 8,917.99	99.35	119.5	0.831	\$ 89.76	\$ 74.63
GONZALES	\$ 11,272.04	124.65	146	0.854	\$ 90.43	\$ 77.21
JACKSON	\$ 12,151.95	122.49	130.5	0.939	\$ 99.21	\$ 93.12
JOHNSON	\$ 15,888.00	152.59	152	1.004	\$ 104.12	\$ 104.53
ROJAS	\$ 14,902.95	144.81	160	0.905	\$ 102.91	\$ 93.14
YANIRO	\$ 9,100.65	90.6	144	0.629	\$ 100.45	\$ 63.20
FLOWERS	\$ 3,482.60	34.17	162	0.211	\$ 101.92	\$ 21.50
				#DIV/0!	#DIV/0!	#DIV/0!
				0.000	#DIV/0!	#DIV/0!
TOTAL	\$ 84,765.33	863.33	1154.5	0.748	\$ 98.18	\$ 73.42

MARCH	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL	\$ 9,969.16	120.03	187.5	0.640	\$ 83.06	\$ 53.17
DELCOUR	\$ 8,673.10	132.68	143	0.928	\$ 65.37	\$ 60.65
GONZALES	\$ 11,553.73	124.01	136	0.912	\$ 93.17	\$ 84.95
JACKSON	\$ 8,709.65	97.49	159	0.613	\$ 89.34	\$ 54.78
JOHNSON	\$ 11,450.40	103.67	119.5	0.868	\$ 110.45	\$ 95.82
ROJAS	\$ 8,935.20	135.04	159.5	0.847	\$ 66.17	\$ 56.02
YANIRO	\$ 14,650.30	162.47	183.5	0.885	\$ 90.17	\$ 79.84
FLOWERS	\$ 1,623.25	15.95	151.5	0.105	\$ 101.77	\$ 10.71
	\$ -	\$ -	0	#DIV/0!	#DIV/0!	#DIV/0!
	\$ -	\$ -	0	0.000	#DIV/0!	#DIV/0!
TOTAL	\$ 75,564.79	891.34	1239.5	0.719	\$ 84.78	\$ 60.96

APRIL	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL	\$ 11,752.60	122.12	157.5	0.775	\$ 96.24	\$ 74.62
DELCOUR	\$ 5,740.23	96.61	116	0.833	\$ 59.42	\$ 49.48
GONZALES	\$ 12,854.44	134.2	161.5	0.831	\$ 95.79	\$ 79.59
JACKSON	\$ 8,957.45	125.66	163	0.771	\$ 71.28	\$ 54.95
JOHNSON	\$ 12,531.40	141.56	155	0.913	\$ 88.52	\$ 80.85
ROJAS	\$ 13,601.76	159.13	166.5	0.956	\$ 85.48	\$ 81.69
YANIRO	\$ 13,601.10	154.42	150	1.029	\$ 88.08	\$ 90.67
FLOWERS	\$ 2,631.75	28.85	166	0.174	\$ 91.22	\$ 15.85
	\$ -	\$ -	0	#DIV/0!	#DIV/0!	#DIV/0!
	\$ -	\$ -	0	0.000	#DIV/0!	#DIV/0!
TOTAL	\$ 81,670.73	962.55	1235.5	0.779	\$ 84.85	\$ 66.10

MAY	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL	\$ 11,859.28	116.61	152	0.767	\$ 101.70	\$ 78.02
DELCOUR	\$ 4,079.61	73.44	74.5	0.986	\$ 55.55	\$ 54.76
GONZALES	\$ 10,590.45	122.31	175.5	0.697	\$ 86.59	\$ 60.34
JACKSON	\$ 7,008.69	119.45	136	0.878	\$ 58.67	\$ 51.53
JOHNSON	\$ 7,820.51	142.76	153.5	0.930	\$ 54.78	\$ 50.95
ROJAS	\$ 13,085.31	151.21	167.5	0.903	\$ 86.54	\$ 78.12
YANIRO	\$ 12,252.18	139.83	165.5	0.845	\$ 87.62	\$ 74.03
FLOWERS	\$ 3,257.40	32.61	184	0.177	\$ 99.89	\$ 17.70
	\$ -	\$ -	0	#DIV/0!	#DIV/0!	#DIV/0!
	\$ -	\$ -	0	0.000	#DIV/0!	\$ -
TOTAL	\$ 69,953.43	898.22	1208.5	0.743	\$ 77.88	\$ 57.88

JUNE	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL	\$ 13,990.47	145.59	160.5	0.907	\$ 96.09	\$ 87.17
OZUNA	\$ 6,119.05	57.22	83	0.689	\$ 106.94	\$ 73.72
GONZALES	\$ 16,684.39	158.38	182.5	0.868	\$ 105.34	\$ 91.42
JACKSON	\$ 11,271.94	129.59	172.5	0.751	\$ 86.98	\$ 65.34
JOHNSON	\$ 6,838.81	127.66	168	0.760	\$ 53.57	\$ 40.71
ROJAS	\$ 18,040.64	181.38	184	0.986	\$ 99.46	\$ 98.05
YANIRO	\$ 13,573.32	161.33	137	1.178	\$ 84.13	\$ 99.08
FLOWERS	\$ 3,252.05	34.85	191.5	0.182	\$ 93.32	\$ 16.98
FLOYD	\$ -	\$ -	0	0	#DIV/0!	0
TOTAL	\$ 89,770.67	996	1279	0.779	\$ 90.13	\$ 70.19

JULY	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL	\$ 8,818.01	114.33	190.5	0.600	\$ 77.13	\$ 46.29
OZUNA	\$ 10,048.31	136.9	169.5	0.808	\$ 73.40	\$ 59.28
GONZALES	\$ 12,526.00	143.53	179.5	0.800	\$ 87.27	\$ 69.78
JACKSON	\$ 9,915.75	98.02	154.5	0.634	\$ 101.16	\$ 64.18
JOHNSON	\$ 9,352.60	163.4	167.5	0.976	\$ 57.24	\$ 55.84
ROJAS	\$ 14,840.28	173.71	190	0.914	\$ 85.43	\$ 78.11
YANIRO	\$ 14,207.25	147.93	163	0.908	\$ 96.04	\$ 87.16
FLOWERS	\$ 4,132.84	57.92	151.5	0.382	\$ 71.35	\$ 27.28
TOTAL	\$ 83,841.04	1035.74	1366	0.758	\$ 80.95	\$ 61.38

AUGUST	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL			69.00	0.000	#DIV/0!	\$ -
OZUNA			81.25	0.000	#DIV/0!	\$ -
GONZALES			97	0.000	#DIV/0!	\$ -
JACKSON			72	0.000	#DIV/0!	\$ -
JOHNSON			71	0.000	#DIV/0!	\$ -
ROJAS			97.25	0.000	#DIV/0!	\$ -
YANIRO			67.5	0.000	#DIV/0!	\$ -
FLOWERS			90	0.000	#DIV/0!	\$ -
TOTAL	\$ -	0	645	0.000	#DIV/0!	\$ -

SEPTEMBER	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL				#DIV/0!	#DIV/0!	#DIV/0!
DELCOUR				#DIV/0!	#DIV/0!	#DIV/0!
GONZALES				#DIV/0!	#DIV/0!	#DIV/0!
JACKSON				#DIV/0!	#DIV/0!	#DIV/0!
JOHNSON				#DIV/0!	#DIV/0!	#DIV/0!
ROJAS				#DIV/0!	#DIV/0!	#DIV/0!
YANIRO				#DIV/0!	#DIV/0!	#DIV/0!
FLOWERS				#DIV/0!	#DIV/0!	#DIV/0!
TOTAL	\$ -	0	0	#DIV/0!	#DIV/0!	#DIV/0!

Oct-15	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL				#DIV/0!	#DIV/0!	#DIV/0!
DELCOUR				#DIV/0!	#DIV/0!	#DIV/0!
GONZALES				#DIV/0!	#DIV/0!	#DIV/0!

JACKSON				#DIV/0!	#DIV/0!	#DIV/0!
JOHNSON				#DIV/0!	#DIV/0!	#DIV/0!
ROJAS				#DIV/0!	#DIV/0!	#DIV/0!
YANIRO				#DIV/0!	#DIV/0!	#DIV/0!
FLOWERS				#DIV/0!	#DIV/0!	#DIV/0!
TOTAL	\$ -	0	0	#DIV/0!	#DIV/0!	#DIV/0!

	Nov-15	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL					#DIV/0!	#DIV/0!	#DIV/0!
DELCOUR					#DIV/0!	#DIV/0!	#DIV/0!
GONZALES					#DIV/0!	#DIV/0!	#DIV/0!
JACKSON					#DIV/0!	#DIV/0!	#DIV/0!
JOHNSON					#DIV/0!	#DIV/0!	#DIV/0!
ROJAS					#DIV/0!	#DIV/0!	#DIV/0!
YANIRO					#DIV/0!	#DIV/0!	#DIV/0!
FLOWERS					#DIV/0!	#DIV/0!	#DIV/0!
TOTAL		\$ -	0	0	#DIV/0!	#DIV/0!	#DIV/0!
	Dec-15	REVENUE BILLED	HRS BILLED	HRS WORKED	%	AVG RATE ON BILLED	AVG RATE ON WORKED
CARDINAL					#DIV/0!	#DIV/0!	#DIV/0!
DELCOUR					#DIV/0!	#DIV/0!	#DIV/0!
GONZALES					#DIV/0!	#DIV/0!	#DIV/0!
JACKSON					#DIV/0!	#DIV/0!	#DIV/0!
JOHNSON					#DIV/0!	#DIV/0!	#DIV/0!
ROJAS					#DIV/0!	#DIV/0!	#DIV/0!
YANIRO					#DIV/0!	#DIV/0!	#DIV/0!
FLOWERS					#DIV/0!	#DIV/0!	#DIV/0!
TOTAL		\$ -	0	0	#DIV/0!	#DIV/0!	#DIV/0!

2017 YTD \$ 569,545.32 \$ 6,547.53 \$ 9,438.25 0.6937 #DIV/0! #DIV/0!