



INDUSTRIAL VACUUM SUPERSTORE

OVER 10,000 PRODUCTS FOR YOUR BUSINESS!

FAST SHIPPING LOW PRICES

OPEN 8 AM TO 10 PM EST - 7 DAYS A WEEK

PRICE
\$8.95



▪ HYDROEXCAVATION ▪ MUNICIPAL SEWER CLEANING ▪ DIRECTIONAL DRILLING ▪ INDUSTRIAL VACUUM



SEWER CLEANING NOZZLES
PAGE 22



TURBO NOZZLES
PAGES 18-19



SEWER CAMERAS
PAGE 27



BRIGHT DYES TRACER DYE
PAGE 20



PIPES & DIG TUBES
PAGES 12-13



INDUSTRIAL VACUUM HOSE & ACCESSORIES FOR:

Hydroexcavation • Municipal Sewer Cleaning

Directional Drilling • Industrial Vacuum • Vac Trailers

HABLAMOS ESPAÑOL

703-334-5980 • TOLL FREE 866-872-1224



EASY SHIPPING FOR
CANADIAN &
PUERTO RICAN ORDERS



**SOURCE KEY
8UC19**

POLYURETHANE HOSE FOR BOOM ARMS

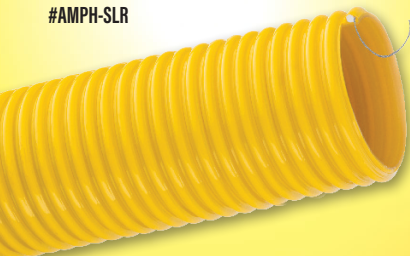


3 CHOICES FOR POLYURETHANE HOSE!

1 AMPHIBIAN SOLARGUARD SERIES HEAVY DUTY POLYURETHANE LINED MATERIAL HANDLING HOSE

- **Thick Amphibian™ Abrasion Resistant Polyurethane Liner** - Designed for wet or dry applications where severe abrasion is a factor. Longer life and lower operating costs vs. similar rubber or PVC hoses.
- **Advanced UV Protection!** - Our tests show the Solarguard material retained 97% of its original tensile strength after prolonged UV exposure, compared to only 55% retention for similar PVC hoses.

#AMPH-SLR



- **Grounding Wire (6" and 8" only)** - Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Safety Yellow" Color** - For high visibility on site. Reduces risk of tripping or driving over hose.
- **Convuluted Outer Cover** - Provides increased hose flexibility.

PRICE PER FT.		STD. LENGTHS	BEND RAD.	WALL THK.
3"	\$9.20 ft.	100'	6"	0.325"
4"	\$14.65 ft.	20', 60', 100'	10"	0.380"
6"	\$29.35 ft.	20', 100'	18"	0.500"
8"	\$46.10 ft.	21', 60'	22"	0.575"

2 UF2 SERIES EXTRA HEAVY DUTY POLYURETHANE LINED MATERIAL HANDLING HOSE

- **Extra Thick Abrasion Resistant Polyurethane Liner** - Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **"Cold-Flex" Materials** - Hose remains flexible in sub-zero temperatures.



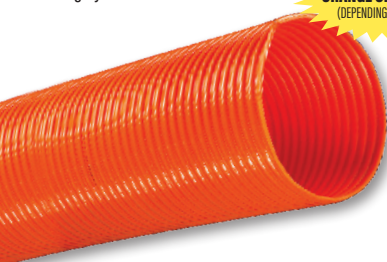
- **Static Dissipative Cover** - Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **Convuluted Outer Cover** - Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner** - Resists most animal and petroleum based oils.

PRICE PER FT.		STD. LENGTHS	BEND RAD.	WALL THK.
4"	\$16.40 ft.	50', 100'	10"	0.400"
5"	\$25.70 ft.	20', 50', 100'	15"	0.405"
6"	\$31.90 ft.	20', 50', 100'	18"	0.435"
8"	\$60.35 ft.	20', 50'	22"	0.590"
10"	\$98.05 ft.	20'	26"	0.805"

3 355PUR POLYURETHANE VAC-TRUCK HOSE

- Heavy duty and reinforced.
- Highly abrasion resistant.

AVAILABLE IN
ORANGE OR CLEAR!
(DEPENDENT ON SIZE)



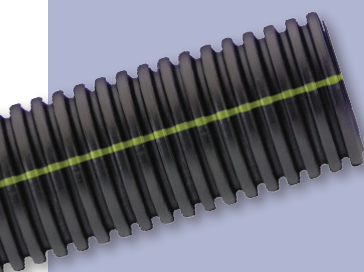
- Good resistance to oil, gasoline, and chemicals.
- Very good low temperature flexibility.
- Conforms to RoHS guideline.

- Spring steel wire firmly embedded in wall.
- Temperature range: -40°F to 195°F.

#355PUR

PRICE PER FT.		STD. LENGTHS	BEND RAD.	WALL THK.
4"	\$11.46 ft.	25', 50'	8"	0.250"
5"	\$13.92 ft.	25', 50'	9.78"	0.295"
6"	\$16.64 ft.	10', 20', 50'	11.46"	0.285"
8"	\$24.29 ft.	10', 20', 50'	12.44"	0.195"
10"	\$31.74 ft.	10', 25'	16.02"	0.255"

ADS SINGLE WALL PIPE HEAVY DUTY - THROWAWAY HOSE

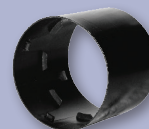


ROLLS UP
TIGHT!

- Flexible, Light-Weight
- Easy to Use.
- Non-perforated.
- Always have one on your rig for long runs!

#ADSPIPE

	PRICE PER FT.	ROLL LENGTH	ROLL PRICE PER FT.
4"	\$0.52	100'	\$0.46
6"	\$1.38	100'	\$1.29
8"	\$3.38	20'	\$3.14



ADS SNAP COUPLER

#ADS-SNAP Easily snaps runs of ADS pipe together!

4" \$240
6" \$563
8" \$716

3 CHOICES FOR RUBBER HOSE!



1 VARCO TUFF SUCTION MATERIAL HANDLING HOSE

- Made from Heavy Duty SBR Rubber, for Wet or Dry applications.
- Hose remains flexible in sub-zero temperatures.
- Service Temp. -40°F (-40°C) to 150°F (+65°C) • Our most flexible 6" and 8" hose!



Perfect for: • Hydro excavation • Material handling - heavy duty abrasive
 • Industrial vacuum equipment • Rock, gravel, sand and crushed concrete vacuuming
 • Sewer truck boom hose **We'll couple it with any type of fittings! Call for pricing!**

	PRICE PER FT.
4"	\$8.74 ft.
5"	\$16.58 ft.
6"	\$14.54 ft.
8"	\$25.66 ft.

	STD. LENGTHS	BEND RAD.	WALL THK.
4"	100'	4.5"	0.335"
5"	50', 100'	5"	0.365"
6"	20', 50', 100'	9.5"	0.515"
8"	20', 50'	14"	0.635"



COMPARE TO 180AR
PERFECT FOR
VACUUM TRUCKS



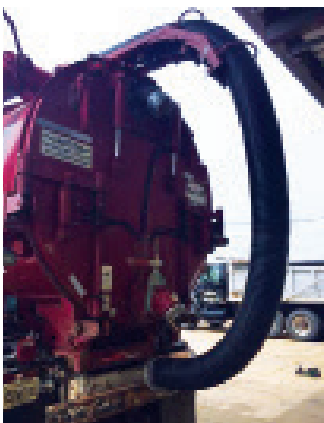
2 T704HA INDUSTRIAL VACUUM MATERIAL HANDLING HOSE

- Corrugated black conductive SBR/NR blend cover for Abrasion and ozone-resistance.
- Service Temp: -40° F (-40° C) to +212° F (+100° C) - 150PSI WORKING PRESSURE.
- Popular hose for vacuum truck industry where a rugged and durable hose product is needed.
- Special lightweight corrugated construction for maximum flexibility.

	PRICE PER FT.		STD. LENGTHS	BEND RAD.	WALL THK.
6"	\$30.15	6"	50', 100'	24"	0.520"
8"	\$48.85	8"	35', 50', 100'	32"	0.500"
10"	\$98.35	10"	35'	40"	0.610"

**TORNADO
HYDROVACS
STANDARD!**

**1/4" THICK
RED RUBBER
LINER!**



3 TIGER HITEMP THT SERIES WIRE REINFORCED EPDM WET OR DRY MATERIAL HANDLING HOSE

- **High Temp Service!** Rated from -40°F (-40°C) to 220°F (+104°C)!
- **Wire Reinforced Helix** - Highly durable steel helical wire provides strength and use at higher temps without hose deformation. Can be grounded for additional static control.
- **Static Dissipative Tube** - Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials** - Hose remains flexible in sub-zero temperatures.
- **Convuluted Cover Design** - Provides increased hose flexibility.

	PRICE PER FT.
4"	\$10.88 ft.
6"	\$20.95 ft.
8"	\$34.65 ft.

	STD. LENGTHS	BEND RAD.	WALL THK.
4"	20', 100'	5.5"	0.315"
6"	20', 50', 100'	10"	0.435"
8"	20', 50'	15"	0.530"



4 4470 SERIES BULK MATERIAL SUCTION HOSE

- 1/4" thick gum rubber tube is highly abrasion resistant.
- Corrugated cover makes the hose flexible, even in tight bends.
- Weather and ozone resistant EPDM Rubber cover.
- Static wire, when grounded, dissipates static electricity.

	PRICE PER FT.
4"	\$16.13 ft.
5"	\$22.29 ft.
6"	\$26.12 ft.
8"	\$47.51 ft.

	STD. LENGTHS	BEND RAD.	WALL THK.
4"	50', 100'	24"	0.345"
5"	100'	30"	0.350"
6"	50', 100'	32"	0.365"
8"	20', 50'	40"	0.565"



CUSTOM LENGTH BOOM HOSES



NOW 5 CHOICES FOR CUSTOM LENGTH BOOM HOSES!

ALL ARE... Available in custom lengths! • Black smooth abrasion resistant rubber tube • Steel helix wire and textile reinforcement

• Available with or without 4" long soft cuff ends for easy assembly • **Price per ft. based on orders at standard lengths. Add 5% for lengths shorter than standard.**

1 VOL-U-FLEX HEAVY DUTY LINE HOSE

- TUBE ½" static-conducting NR/SBR.
- REINFORCEMENT Multiplies of high-tensile square-woven polyester fabric. Dual high-tensile steel wire helix.
- COVER Weather, ozone and abrasion-resistant SBR.
- ENDS Plain cut or soft cuffs

Part# VOLU-HD

HEAVY DUTY				
	120"	62"	66"	127"
6"	\$385.53	8"	\$319.18	\$339.72
				\$559.67

*bulk prices for comparative reasons, only available in pre-made lengths

¾" LINER!

2 VOL-U-FLEX EXTRA HEAVY DUTY LINE HOSE

- TUBE Full ¼" NR/SBR.
- REINFORCEMENT One-ply high-tensile spun polyester woven fabric and special design dual high-tensile steel wire helix for increased flexibility.
- COVER Weather, ozone and abrasion-resistant SBR.
- ENDS Soft cuffs

Part# VOLU-XHD

EXTRA HEAVY DUTY				
	120"	62"	66"	127"
6"	\$452.95	8"	\$334.93	\$358.86
				\$623.12

*bulk prices for comparative reasons, only available in pre-made lengths

¾" LINER!

3 NOVA-VAC

5049BG BOOM HOSE #5049BG

- TUBE Black smooth abrasion resistant rubber
- REINFORCEMENT Helix wire and textile
- COVER Black abrasion resistant rubber
- ENDS Plain cut or soft cuffs

4 NOVA-VAC

5049RG SUPER HIGH ABRASION BOOM HOSE #5049RG

- TUBE Novawear RG smooth abrasion resistant rubber
- REINFORCEMENT Helix wire and textile
- COVER Black abrasion resistant rubber
- ENDS Plain cut or soft cuffs

5 NOVA-VAC

5049YG ULTRA HIGH ABRASION BOOM HOSE #5049YG

- TUBE Novawear YG smooth abrasion resistant rubber
- REINFORCEMENT Helix wire and textile
- COVER Black abrasion resistant rubber
- ENDS Plain cut or soft cuffs

• REINFORCEMENT Helix Wire & Textile • COVER Black Abrasion Resistant Rubber • ENDS Plain Cut or Soft Cuffs

6" ID	64"	103"	108"	120"	240"		
Black Liner	\$282.86	\$495.71	\$521.43	\$488.57	\$761.43	-	-
Red Liner	\$321.43	\$562.86	\$591.43	\$555.71	\$865.71	-	-
Yellow Liner	\$385.71	\$675.71	\$710.00	\$667.14	\$1,038.57	-	-
8" ID	62"	96"	102"	120"	240"	300"	324"
Black Liner	\$355.71	\$550.00	\$651.43	\$685.71	\$982.86	\$1,220.00	\$1,240.00
Red Liner	\$445.71	\$550.00	\$765.71	\$780.00	\$1,117.14	-	-
Yellow Liner	\$534.29	\$660.00	\$901.43	\$935.71	\$1,340.00	-	-



CLAMPS

DOUBLE SADDLE CLAMP

- Plated Iron.
- Bolt lugs are reinforced to prevent bending out of alignment.
- Inner surface has dual gripping ridges.

Common sizes:

#769 6"	#875 8"
\$21.00	\$29.95

Dozens of sizes available to fit any hose! call for options!

T-BOLT CLAMP

- Inner surface is curved outward so it won't bite into the hose cover.
- Zinc plated steel, available in full stainless.

Common sizes:

4"	6"	8"
\$3.95 ea.	\$3.64 ea.	\$6.91 ea.

Dozens of sizes available to fit any hose! call for options!

SPIRAL CLAMP

- Zinc plated steel.
- Includes saddle & hardware.
- Available in both rotations to match any helixed hose.

4"	6"	8"
\$6.95 ea.	\$12.95 ea.	\$14.30 ea.



PERFECT FOR VAC TRAILERS

Price per ft. based on orders at standard lengths.
Add 5% for lengths shorter than standard.



4 COLORS - SAME LOW PRICE!

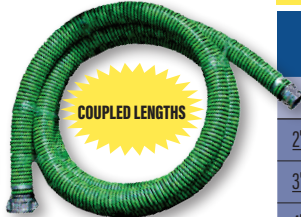


Actual Colors May Not Match Photo
NOT ALL COLORS AVAILABLE IN ALL SIZES

PROUDLY
MADE IN
THE USA



BACKED BY A
WORRY-FREE
WARRANTY
tigreflex



COUPLED LENGTHS

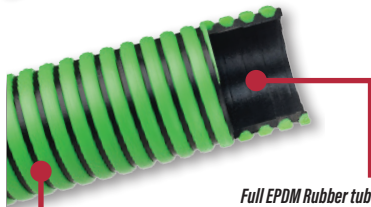
REAL TIGREFLEX® EPDM SUCTION HOSE

The Industry Standard! **FULL 6 MONTH WARRANTY**

NEED AN EPDM HOSE W/ A FULLY COVERED TUBE
FOR MORE ENDURANCE? SEE OUR MULTIFLEX HOSE

COUPLED HOSE PRICE INCLUDES M X F QUICK CONNECTS				
	20'	25'	30'	33'
2"	\$51.12	\$61.30	\$71.48	\$77.59
3"	\$72.96	\$87.99	\$103.01	\$112.03
4"	\$147.21	\$177.50	\$207.79	\$225.97

PRICE PER FT.		
ITEM#	SIZE	YOUR PRICE
EP15 BULK	1 1/2"	\$1.49 ft.
EP20 BULK	2"	\$1.79 ft.
EP25 BULK	2 1/2"	\$2.99 ft.
EP30 BULK	3"	\$2.85 ft.
EP40 BULK	4"	\$5.25 ft.
EP60 BULK	6"	\$11.49 ft.



Full EPDM Rubber tube
for greater chemical and abrasion resistance than
other EPDM hoses- look inside! All Black!

Corrugated cover allows better flexibility and
less resistance when dragging compared to
smooth cover hoses.

PROUDLY
MADE IN
THE USA



**Green &
Black Only**
Actual Color May
Not Match Photo



GREATER ABRASION
RESISTANCE THAN
STANDARD EPDM HOSES

NEW- FULL TUBE EPDM HOSE MAKES IT PERFECT FOR MULTIPLE USES!

MULTI-FLEX EPDM SUCTION HOSE

NOT WARRANTED FOR GREASE

COUPLED HOSE PRICE INCLUDES M X F QUICK CONNECTS					PRICE PER FT.
	20'	25'	30'	33'	
2"	\$47.99	\$56.49	\$65.49	\$71.39	\$1.89 ft.
3"	\$76.79	\$90.99	\$105.99	\$114.49	\$2.99 ft.
4"	\$153.49	\$179.99	\$205.99	\$221.99	\$5.60 ft.

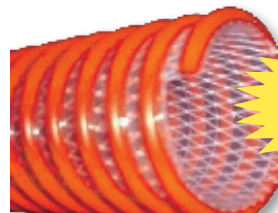
TUFF BUT VERY FLEXIBLE!

**COMPARE
TO 180AR**



VARCO TUFF SUCTION

- Rubber Tube w/ Black PVC Helix
- Abrasion Resistant & Lightweight
- Water/Light Chemical Suction & Transfer
- Corr. Cover, Smooth Interior



**USED ON MOST
VERMEER TRAILER
UNITS**



SUPER FLEXIBILITY EVEN IN COLD WEATHER VAC TRAILER HOSE

- Clear PVC w/ corrugated orange helix & braided reinforcement.
- Clear wall for easy inspection.
- Exposed helix, less resistance to dragging.
- Braided - LESS COLLAPSE!

COUPLED HOSE PRICE INCLUDES M X F QUICK CONNECTS					PRICE PER FT.
	20'	25'	30'	33'	
2"	\$59.44	\$72.05	\$84.67	\$92.23	\$2.52 ft
3"	\$78.22	\$93.78	\$109.33	\$118.67	\$3.11 ft
4"	\$155.12	\$187.83	\$220.55	\$240.17	\$5.41 ft
6"	\$319.95	\$382.45	\$444.95	\$482.45	\$11.50 ft



**THROWAWAY
HOSE FOR
LONG RUNS!**

ADS SINGLE WALL PIPE HEAVY DUTY - THROWAWAY HOSE

- Flexible, Light-Weight, Easy to Use.
- Non-perforated.
- Always have one on your rig for long runs!

#ADSPIPE

	PRICE PER FT.	ROLL LENGTH	ROLL PRICE PER FT.
4"	\$0.52	100'	\$0.46
6"	\$1.38	100'	\$1.29
8"	\$3.38	20'	\$3.14

FILL HOSES & HYDRANT ADAPTERS



BRASS HYDRANT ADAPTORS

Connect to a Hydrant with any hose- even a garden hose. Available in many sizes and configurations. Male x Female and Male Hex Nipples offer even more options.
NST or NPT threads.

DOUBLE MALE HEX NIPPLE

MNH. x MNPT.



1 1/2" x 1 1/2"	2 1/2" x 2"	2 1/2" x 3"
\$18.95	\$20.25	\$49.50

HYDRANT ADAPTOR

FNH. x MNPT.



1 1/2" x 3/4"	2 1/2" x 3/4"	2 1/2" x 1"
\$14.95	\$16.95	\$12.95
2 1/2" x 1 1/2"	2 1/2" x 2"	3" x 2 1/2"
\$17.25	\$15.75	\$41.50

FEMALE TO MALE HEX NIPPLE



FNPT x MNH. 2 1/2" x 2 1/2"	FNH. x MNH. 2 1/2" x 3"
\$23.95	\$41.80



Plastic

Brass

FOG NOZZLES

PLASTIC		
SIZE	THREAD TYPE	PRICE
1 1/2"	NPSH	\$9.95
1 1/2"	NH / NST	\$10.95
2"	NPSH	\$39.05
BRASS		
1 1/2"	NPSH	\$31.95
1 1/2"	NH/NST	\$27.95
2"	NPSH	\$37.05
2 1/2"	NPSH	\$66.95
2 1/2"	NH / NST	\$66.95

SINGLE JACKETED MILL HOSE

Working Pressure: 200-230 psi.
Coupled MXF Aluminum Quick Connects or Aluminum/Brass NPT Threaded



	MXF NPT THREADED	MXF QUICK CONNECTS	BULK PER FOOT
	50'	50'	
1.5"	\$39.95	\$39.95	\$0.72
2"	\$39.95	\$40.95	\$0.68
2.5"	\$47.50	\$48.50	\$1.10
3"	\$69.00	\$69.00	\$1.20
4"	\$120.95	\$126.50	\$2.12

DOUBLE JACKETED MILL HOSE

Working Pressure: 300 psi.
Coupled MXF Aluminum Quick Connects or Aluminum/Brass NPT Threaded



	MXF NPT THREADED	MXF QUICK CONNECTS	BULK PER FOOT
	50'	50'	
1.5"	\$69.95	\$64.95	\$1.00
2"	\$72.95	\$69.95	\$1.25
2.5"	\$92.95	\$80.95	\$1.99
4"	\$143.95	\$187.45	\$2.35



ADJUSTABLE HYDRANT WRENCH

#AHW Fits 1 3/4" pentagonal nuts.
The head will operate hydrant cap and adapter pin or rocker lugs.
Plated Handle . REG. \$13.28

LOW PRICE
\$12.95 each



CALL FOR OPTIONS

PIN LUG SHANK COUPLING SETS

	1 1/2"	2"	2 1/2"	3"
Pipe Thread	\$4.75	\$6.60	\$17.34	\$13.25
Hydrant Thread	\$8.67	-	\$18.60	-

All hose available in bulk (no couplers),
MxF NPT Threaded,
or MxF Quick Connects



QUICK CONNECTS



THREADED

BLUE PVC DISCHARGE

Coupled MXF Aluminum Quick Connects
or Aluminum/Brass NPT Threaded



	MXF NPT THREADED		MXF QUICK CONNECTS		BULK PER FOOT
	25'	50'	25'	50'	
2"	\$14.97	\$23.50	\$17.95	\$24.14	\$0.34
3"	\$28.07	\$44.14	\$33.26	\$49.33	\$0.64
4"	\$49.16	\$74.80	\$51.33	\$76.97	\$1.03
6"	\$111.22	\$157.23	\$112.45	\$175.95	\$1.90
8"	-	-	-	-	\$3.04

RED PVC DISCHARGE

(100+ PSI Rating) Coupled MXF Aluminum Quick Connects or Aluminum/Brass NPT Threaded



	MXF NPT THREADED		MXF QUICK CONNECTS		BULK PER FOOT
	25'	50'	25'	50'	
2"	\$29.97	\$44.95	\$32.20	\$45.95	\$0.89
3"	\$45.27	\$77.36	\$49.05	\$81.15	\$1.28
4"	\$69.52	\$116.80	\$72.95	\$120.25	\$1.89
6"	\$161.97	\$237.37	\$163.20	\$233.33	\$3.73
8"	-	-	-	-	\$5.50

COUPLE-IT-YOURSELF STARTER PACKAGE

INCLUDES:

- CENTER PUNCH TOOL
- 50 CLAMPS TO FIT 3" - 4" HOSE

\$82.95 pkg.



STEEL BAND CLAMPS

Save Money and Couple it Yourself! Use Our Center punch tool and clamps to attach the fittings you choose. It's the tool we use!

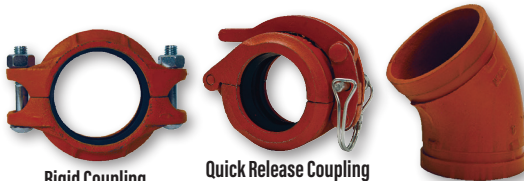
Galvanized
FROM **40¢** each
Stainless
FROM **\$1.40** each



CENTER PUNCH TOOL
\$53.95 ea.

Add A 3/8" Adaptor
For Only **\$2.95**

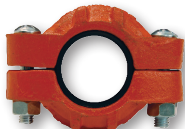
CLAMP & FIT YOUR OWN HOSE!



Rigid Coupling
175 PSI
#GVC-R

Quick Release Coupling
300 PSI
#GVC-QR

45° Elbow
#GVL-45



Standard Coupling
1,000 PSI
#GVC-S



90° Elbow
#GVL-90



Adapter Nipple
#GVNPT



Reducing Adapter
#GVARA



Weldable Adapter
#GVWELD

FLUSHER/WATER TRUCK FITTINGS
Ductile iron with
Rust Inhibiting Paint.
Available up to 1,000psi

	1½"	2"	2½"	3"	4"	6"
GVC-R	-	\$10.63	\$9.15	\$12.88	\$16.23	\$27.48
GVC-QR	\$67.50	\$64.75	\$82.25	\$83.25	\$107.00	\$230.00
GVC-S	\$14.33	\$15.63	\$16.65	\$20.28	\$33.70	\$48.70
GVL-90	\$8.09	\$11.25	\$12.93	\$20.60	\$27.08	\$64.75
GVL-45	\$8.09	\$11.08	\$11.53	\$17.48	\$25.58	\$64.75
GVNPT	-	\$24.33	\$28.54	\$44.30	\$57.90	\$102.50
GVWELD	-	\$11.25	-	\$14.25	\$18.55	-
	2" x 1½"	3" x 2"	4" x 2"	4" x 3"	6" x 3"	6" x 4"
GVARA	\$13.13	\$13.13	\$19.30	\$21.63	\$41.20	\$41.20



GROOVED & THREADED SPRAYHEAD NOZZLES

GROOVED		
ITEM#	DESCRIPTION	PRICE
WTFAN-DEF3X4	3" Aluminum Deflector Fan Spray Nozzle 4" Tall	\$63.57
WTFAN-DEF3X6	3" Aluminum Deflector Fan Spray Nozzle 6" Tall	\$63.59
WTFAN-FIN	3" Aluminum Fin Side Spray Nozzle - 5" X ¼" Fan Slot	\$55.71
WTFAN-STANDARD	3" Aluminum Side Spray Nozzle 7" X ¼" Std Fan Slot	\$55.71
WTFAN-SIDE90STD	3" Aluminum 90° Side Spray Nozzle	\$70.00
WTFAN-SIDE90ADJ	3" Aluminum Adjustable Fan Spray Nozzle	\$70.00
THREADED		
WTFAN-ADJ200NPT	2" MNPT Aluminum Adjustable Nozzle 6" X ¼" Fan Slot	\$135.71
WTFAN-CAP250NPT	2 ½" FNPT Aluminum Slotted Cap	\$12.79
WTFAN-CAP300NPT	3" FNPT Aluminum Slotted Cap	\$21.36



AIR OPERATED DIAPHRAGM VALVES

GROOVED		
ITEM#	SIZE	PRICE
1721-200	2"	\$112.86
1721-300	3"	\$84.30
THREADED		
1722-200	2"	\$127.14
1722-250	2 ½"	\$127.14
1722-300	3"	\$135.71



FRAME MOUNT CENTRIFUGAL WATER PUMPS

- Rated up to 750 GPM at 65 PSI - 2500 RPM Max
- Available in rope packing or mechanical seal versions
- Available in threaded or grooved pipe inlet / outlet
- Compare to Berkeley B3ZRM Series

FROM **\$778⁹⁵** Call for Options!

REBUILD PARTS AVAILABLE!

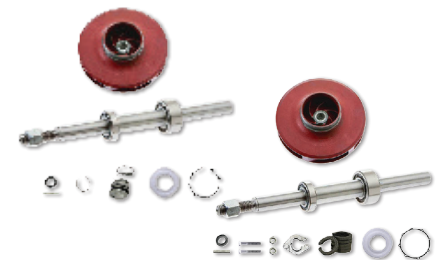


BERKELEY B3ZRM WATER PUMPS

Part# B3ZRM

- Rated up to 750 GPM at 65 PSI - 2500 RPM Max
- Available in rope packing or mechanical seal versions
- Available in threaded, flanged or grooved pipe inlet/outlet

FROM **\$1,789** Call for Options!



FRAME MOUNT CENTRIFUGAL WATER PUMP REBUILD KITS

Part# 1011

- These Water Pump Rebuild Kits come with everything you need to rebuild your old water pump.
- Includes: the new impeller, keyed shaft kit, mechanical seal / packing gasket / rope, snap ring, inner bearing cap, water slinger, and volute gasket.
- **MUST KNOW PUMP ROTATION!**

FROM **\$355⁷⁵** Call for Options!

BANDLOCK FITTINGS

PRICES INCLUDE
20% TARIFF
INSTITUTED BY
BANDLOCK STARTING
AUGUST 2018



BANDLOCK HOSE COUPLERS

Female	4"	5"	6"	8"	10"	12"
non-plated	\$23.47	\$35.10	\$31.21	\$40.55	\$59.76	\$109.16
plated	\$26.05	\$40.06	\$33.78	\$43.70	\$64.33	\$111.30
Male	4"	5"	6"	8"	10"	12"
non-plated	\$17.83	\$34.92	\$22.65	\$33.09	\$45.59	\$78.75
plated	\$21.26	\$39.89	\$24.32	\$35.10	\$51.15	\$81.21
Double Female	4"	5"	6"	8"	10"	12"
non-plated	CALL	-	CALL	-	-	-
plated	CALL	-	CALL	-	-	-
Double Male	4"	5"	6"	8"	10"	12"
non-plated	\$32.29	-	CALL	-	-	-
plated	\$38.52	-	CALL	-	-	-

BANDLOCK GASKETS

#BL GLO

4"	5"	6"	8"	10"	12"
\$5.53	\$6.57	\$8.20	\$9.28	\$18.25	\$25.75

BANDLOCK PROFILE GASKETS

#BL PG

4"	5"	6"	8"	10"	12"
\$3.38	\$3.64	\$4.87	\$5.81	\$6.36	\$10.54

BANDLOCK ELBOWS

45° Elbows	4"	5"	6"	8"	10"	12"
non-plated	\$116.54	CALL	\$139.74	\$176.38	\$230.15	CALL
plated	\$119.52	CALL	\$140.22	\$191.30	\$256.58	CALL
double walled	CALL	CALL	\$169.37	\$205.55	\$260.66	CALL
90° Elbows	4"	5"	6"	8"	10"	12"
non-plated	\$134.98	CALL	\$166.61	\$211.73	CALL	CALL
plated	\$138.94	CALL	\$167.88	\$213.01	\$170.46	\$585.51
double walled	CALL	CALL	\$197.41	\$242.71	CALL	CALL

BANDLOCK ROUND GASKETS #BL RG

4"	5"	6"	8"	10"	12"
\$7.82	-	\$9.98	\$12.67	\$18.70	\$30.24

BANDLOCK "Y'S"

ITEM#	DESCRIPTION	PRICE
BL-Y-444 NP	4" - 4" - 4" Y NON-PLATED	\$188.42
BL-Y-444 P	4" - 4" - 4" Y PLATED	\$188.65
BL-Y-644 NP	6" - 4" - 4" Y NON-PLATED	\$198.92
BL-Y-644 P	6" - 4" - 4" Y PLATED	\$205.38
BL-Y-6444 NP	6" - 4" - 4" - 4" Y NON-PLATED	\$244.42
BL-Y-6444 P	6" - 4" - 4" - 4" Y PLATED	\$262.78
BL-Y-666 NP	6" - 6" - 6" Y NON-PLATED	\$243.99
BL-Y-666 P	6" - 6" - 6" Y PLATED	\$234.73
BL-Y-844 NP	8" - 4" - 4" Y NON-PLATED	\$211.57
BL-Y-844 P	8" - 4" - 4" Y PLATED	\$220.01
BL-Y-8444 NP	8" - 4" - 4" - 4" Y NON-PLATED	\$274.95
BL-Y-8444 P	8" - 4" - 4" - 4" Y PLATED	\$283.36
BL-Y-866 NP	8" - 6" - 6" Y NON-PLATED	\$241.53
BL-Y-866 P	8" - 6" - 6" Y PLATED	\$247.99
BL-Y-888 NP	8" - 8" - 8" Y NON-PLATED	CALL
BL-Y-888 P	8" - 8" - 8" Y PLATED	\$283.55

BANDLOCK REDUCERS

#BL-300

MALE SIZE	FEMALE SIZE	PRICE
5"	4"	\$72.70
6"	5"	\$79.51
6"	4"	\$63.84
8"	6"	\$77.70
8"	4"	\$82.99
10"	8"	\$123.83

NOTE: all prices for non-plated steel;
avail. in plated steel & double walled.

BANDLOCK CLAMPS

#BLB

	CLAMP	CLAMP W/ HANDLE
4"	\$21.63	\$28.14
5"	\$45.33	\$50.24
6"	\$23.09	\$30.32
8"	\$24.25	\$32.39
10"	\$30.61	\$40.85
12"	\$52.16	\$64.35

PRICES INCLUDE
20% TARIFF
INSTITUTED BY
BANDLOCK STARTING
AUGUST 2018

BANDLOCK FITTINGS

BANDLOCK END PLUGS

Part#: BL PF Female Plug



	4"	5"	6"	8"	10"	12"
non-plated	CALL	CALL	\$55.64	\$84.25	\$40.41	CALL
plated	\$44.58	CALL	\$59.32	\$69.68	CALL	CALL

Part#: BL PM Male Plug

	4"	5"	6"	8"	10"	12"
non-plated	\$62.70	CALL	\$93.81	\$107.98	\$140.78	\$171.43
plated	\$65.18	CALL	\$109.60	\$112.40	\$145.25	\$175.69

BANDLOCK CROWN FITTINGS

Part#: BL CF Female x Crown

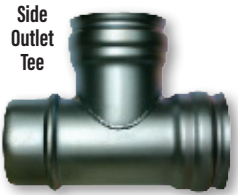
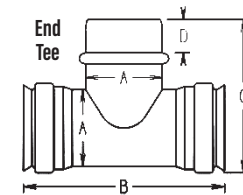
	4"	6"	8"
non-plated	\$73.39	\$80.93	CALL
plated	\$79.73	\$85.65	\$91.56

Part#: BL CM Male x Crown

	4"	6"	8"
non-plated	\$58.49	\$66.02	\$70.39
plated	\$64.83	\$70.74	\$76.65

male

female



BANDLOCK END TEES Part# BL-ET

	4"	5"	6"	8"	10"
non-plated	\$177.37	CALL	\$200.60	CALL	CALL
plated	\$186.42	CALL	\$211.55	\$314.96	CALL

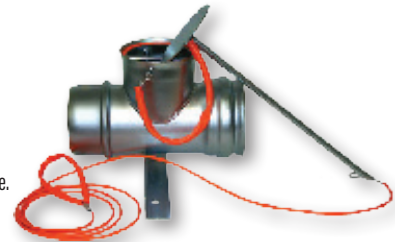
BANDLOCK SIDE-OUTLET TEES Part# BL-SOT

	4"	5"	6"	8"	10"
non-plated	\$177.37	CALL	\$200.60	CALL	CALL
plated	\$186.42	\$422.98	\$211.71	\$314.96	\$422.98

"TIP-TOP" RELIEF VALVES

#BL-RV

- Male x Female Couplers.
- Includes Lid & 20 ft. Cable.
- Relieves All Vacuum Inline with Hose or Pipe.



	4"	5"	6"	8"
Non-Plated	\$278.05	CALL	\$312.31	\$492.51
Plated	\$288.72	CALL	\$316.07	\$504.23

RINGLOCK IRRIGATION STYLE FITTINGS

CAST ALUMINUM WELD-ON REPLACEMENT COUPLERS

PART# RL-WELD



	MALE	FEMALE
4"	\$14.21	\$20.40
5"	\$18.29	\$26.31
6"	\$28.60	\$30.94
8"	\$35.93	\$44.51
10"	\$31.57	\$45.66
12"	\$50.51	\$70.06

RINGLOCK IRRIGATION STYLE FITTING CLAMP

Part# RLC



SIZE	PRICE
4"	\$16.75
6"	\$18.60
8"	\$20.38
10"	\$25.35
12"	\$30.20

BANDLOCK BULK NOZZLES

#BULKNOZZLE

Keep your body away from the end of the hose!

- Male Coupler at End
- 45° Angled Pipe End

4" **\$270⁹⁷**
6" **\$296⁶⁰**
8" **CALL**

RINGLOCK X HOSE SHANK

Hose Barb Fittings.



GALVANIZED		
	MALE #RLMS-SHANK	FEMALE #RLFS-SHANK
4"	\$16.90	\$18.10
6"	\$21.60	\$25.20
8"	\$31.00	\$33.00
10"	\$39.90	\$48.80
ALUMINUM		
	MALE #RLM-SHANK	FEMALE #RLF-SHANK
4"	\$40.36	\$42.69
6"	\$66.15	\$74.17
8"	\$83.59	\$77.81
10"	\$79.71	\$85.83

SEE PAGE 12 FOR ALUMINUM IRRIGATION STYLE TUBES!

FLAT FLANGE FITTINGS



FLANGE X HOSE FITTINGS



ITEM#	DESCRIPTION	PRICE
800-5438	6" Standard (0.12" Wall)	\$92.40
800-5438HD	6" Heavy Duty! (0.18" Wall)	\$92.40
800-0097	8" Standard (0.12" Wall)	\$98.52
800-0097HD	8" Heavy Duty! (0.18" Wall)	\$102.85

FLANGE X BANDLOCK REDUCERS



MALE

ITEM#	DESCRIPTION	PRICE
VTRR64M	6" Flat Flange * 4" Male	\$123.43
VTRR66M	8" Flat Flange * 6" Male	\$127.29
VTRR84M	8" Flat Flange * 4" Male	\$160.71

FEMALE

ITEM#	DESCRIPTION	PRICE
VTRR64F	6" Flat Flange * 4" Female	\$123.43
VTRR86F	8" Flat Flange * 6" Female	\$127.29
VTRR84F	8" Flat Flange * 4" Female	\$160.71



FLANGE X MALE NPT REDUCERS



ITEM#	DESCRIPTION	PRICE
VTRR64NPT	6" Flange X 4" NPT	\$137.29
VTRR84NPT	8" Flange X 4" NPT	\$178.50
VTRR86NPT	8" Flange X 6" NPT	\$178.50

CAM & GROOVE FITTINGS ON PAGES 12-13



ALUMINUM FLAT FLANGE ELBOWS

ITEM#	DESC.	PRICE
VTRA645A	6" 45°	\$168.43
VTRA690A	6" 90°	\$137.57
VTRA845A	8" 45°	\$170.00
VTRA890A	8" 90°	\$221.86



FLAT FLANGE CLAMPS

ITEM#	DESCRIPTION	PRICE
C-QC6	6"	\$41.95
C-QC8	8" Triangular Latch	\$37.24
C-QC8J	8" J-Hook Style	\$41.67



FLAT FLANGE GASKET

#V8HFG

8" - **\$8⁵⁸ ea.**



WELD-ON REPLACEMENT FLANGES

ITEM#	DESC.	PRICE
FLANGE-6AL	6" Aluminum	\$19.29
V6RF	6" Steel	\$17.94
FLANGE-8AL	8" Aluminum	\$21.86
V8RF	8" Steel	\$18.32

STEEL FLAT FLANGE ELBOWS

ITEM#	DESC.	PRICE
VTRA690	6" 90°	\$147.86
VTRA645	6" 45°	\$135.00
VTRA890	8" 90°	\$160.71
VTRA845	8" 45°	\$147.86
VTRA822	8" 22.5°	\$128.57



FLANGED REDUCERS

ITEM#	DESCRIPTION	PRICE
VR86FF	8" Flange X 6" Flange	\$141.43
VR86FP	8" Flange X 6" Hose Shank	\$141.43

REPLACEMENT BOOM ELBOW (VACTOR # 27771)



ITEM#	DESCRIPTION	PRICE
V27771	8" Standard Vactor® Steel Elbow(.18")	\$675.00
V27771-H	8" Heavy Duty Vactor® Steel Elbow (.25")	\$1,100.57



CUSTOM FABRICATION SHOP

We can make any type / configuration of fitting!

NOT SURE WHICH ONES YOU NEED? GIVE US A CALL!

ALSO AVAILABLE IN 2"



BAUER FITTINGS

- Ideal for use in suction applications in the agricultural, irrigation and construction industries.
- Couplings are not recommended for use in chemical or hazardous material applications.
- Galvanized steel construction, rated to 150PSI.

TYPE A-FEMALE END W/GASKET X HOSE SHANK			
3"	4"	6"	8"
\$14.23	\$27.30	\$48.44	\$102.66
TYPE B-MALE END X HOSE SHANK			
3"	4"	6"	8"
\$14.08	\$27.57	\$43.82	\$92.66
TYPE C-LOCKING LEVER			
3"	4"	6"	8"
\$20.19	\$33.44	\$63.07	\$75.47
TYPE DC-DUST CAP			
3"	4"	6"	
\$7.55	CALL	CALL	
TYPE F-FEMALE END X MALE NPT			
3"	4"	6"	8"
\$21.02	\$44.00	\$77.72	\$179.41
TYPE H-MALE END X MALE NPT, INCLUDE TYPE C LOCKING LEVER			
3"	4"	6"	8"
\$42.04	\$77.24	\$142.06	\$285.22
TYPE J-REPLACEMENT EPDM GASKET FOR FEMALE END			
3"	4"	6"	8"
\$2.42	\$3.75	\$8.24	\$14.34



AQUATECH HOSE SHANK FITTINGS

ITEM#	DESCRIPTION	PRICE
AQUA08MHS	8" Male Ball with Steel Ring	\$181.71
AQUA08FHS	8" Female Socket with Gasket	\$201.86
AQUA06MHS	6" Male Ball with Steel Ring	\$92.57
AQUA06FHS	6" Female Socket with Gasket	\$113.14

CAM & GROOVE
FITTINGS ON
PAGES 12-13

AQUATECH X MALE NPT REDUCER

ITEM#	DESCRIPTION	PRICE
AQUAR64NPT	6" Female x 4" Male NPT	\$188.87
AQUAR84NPT	8" Female x 4" Male NPT	\$201.73
AQUAR86NPT	8" Female x 6" Male NPT	\$235.16



AQUATECH X HOSE SHANK REDUCER

ITEM#	DESCRIPTION	PRICE
AQUAR86SHANK	8" Female Aquatech * 6" Shank	\$199.29
AQUAR64SHANK	6" Female Aquatech * 4" Shank	\$153.00
AQUAR84SHANK	8" Female Aquatech * 4" Shank	\$165.86



AQUATECH DIG TUBES

Part# VTAL-AQxCR

Female w/ Lever and
Gasket x Crown Nozzle.

DESC.	PRICE
8" x 48"	\$356.14
8" x 60"	\$365.14
8" x 72"	\$378.00
8" x 84"	\$410.14
8" x 96"	\$432.00
8" x 120"	\$453.86



AQUATECH REDUCER

PART# AQUAR86

8" Female Socket x 6" Male Ball

\$264⁰⁰



**SHOP ONLINE 24 HOURS
A DAY 7 DAYS A WEEK**

www.varcopumper.com

DEPARTMENT DEDICATED TO HYDROEXCAVATION

**CUSTOM SOLUTIONS
FOR ANY FITTING
CONFIGURATIONS!**



DIG TUBES & EXTENSION TUBES



ALUMINUM PIPE PRICING SHOWN - STEEL AVAILABLE



BANDLOCK PIPES

Part# VTAL-MxMFL
Male x Female

PRICES INCLUDE
20% TARIFF
INSTITUTED BY
BANDLOCK STARTING
AUGUST 2018

	4"	6"	8"
3'	\$78.48	\$92.26	\$99.26
4'	\$88.67	\$118.92	\$116.63
5'	\$105.21	\$127.53	\$133.91
6'	\$108.49	\$143.33	\$151.22
7'	-	\$162.77	\$237.20
8'	\$128.48	\$189.53	\$193.03
10'	\$152.93	\$215.61	\$220.05

NOTE: more configurations available! Call for bulk discounts!



BANDLOCK CLAMPS #BLB

	CLAMP	CLAMP W/ HANDLE
4"	\$21.63	\$28.14
5"	\$45.33	\$50.24
6"	\$23.09	\$30.32
8"	\$24.25	\$32.39
10"	\$30.61	\$40.85
12"	\$52.16	\$64.35



DIG TUBE PROTECTOR

- Internal ledge dramatically increases the life of the tube.
- Installation kit included!
- Digtube protectors now available in Heavy-Duty HDPE Plastic, or Soft, Flexible Urethane!

DTPL - DIG TUBE PROTECTOR

HDPE, HEAVY DUTY

6"	\$87.25	8"	\$102.95
----	---------	----	----------

URETHANE, FLEXIBLE

6"	\$101.50	8"	\$118.00
----	----------	----	----------

CTPL - CROWN TUBE PROTECTOR

6"	\$102.95	8"	\$119.95
----	----------	----	----------



TUBE HOSE CLAMPS

Keeps your hose pressure hose steady at every connection when using the hydro-excavator tool.

PART#	SIZE	PRICE
VACTOR / VAC-CON		
THV - 6	6"	\$64.29
THV - 8	8"	\$64.29
BANDLOCK / RINGLOCK		
THC - 6	6"	\$85.71
THC - 8	8"	\$85.71

FLAT FLANGE PIPES



Part# VTAL-FLxFL
Flange x Flange

	6"	8"	8" HD
3'	\$96.73	\$107.09	\$133.49
4'	\$106.73	\$118.74	\$148.83
5'	\$117.54	\$129.66	\$156.83
6'	\$127.56	\$141.33	\$172.19
7'	\$143.27	\$149.40	\$185.99
8'	\$153.30	\$161.09	\$201.41
10'	\$163.83	\$177.60	\$238.74



Part# VTAL-FLxCR
Flange x Crown

	6"	8"
2'	\$158.57	\$170.00
3'	\$134.76	\$160.49
4'	\$144.76	\$172.14
5'	\$155.57	\$183.06
6'	\$165.59	\$194.73
7'	\$181.30	\$202.80
8'	\$191.33	\$214.49
10'	\$201.86	\$231.00

ALSO AVAILABLE
WITH RINGLOCK
OR AQUATECH
FITTINGS



HYDRO-EXCAVATOR TOOL

Part# HYDROEX-V

The Hydro-Excavator Tool is a lightweight attachment for your sewer hose, with sewer hose size (3/4" or 1") and suction tubes sizes (6" or 8"). The wet ring has either 4, 8 or 10 replaceable stainless steel jets according to your gpm and psi. Jets are slightly angled and zero degrees. Bottom rubber cuff provides protection.

SEWER HOSE SIZE	# JETS	PRICE
6" SUCTION TUBE		
3/4"	4	\$554.29
3/4"	8	\$548.58
3/4"	10	\$552.86
1"	4	\$540.00
1"	8	\$548.57
1"	10	\$557.14
8" SUCTION TUBE		
3/4"	4	\$570.00
3/4"	8	\$587.14
3/4"	10	\$595.71
1"	4	\$573.43
1"	8	\$590.57
1"	10	\$599.14

RINGLOCK IRRIGATION-STYLE PIPES

- Cast aluminum weld-on ends.
- Fits Travis / Ringlock / irrigation-style fittings.
- Fits Bandlock with the use of a Profile Gasket.

Part# VTAL-MXFL

	6"	8"	8" HD (.090 wall)
3'	\$106.40	\$116.96	\$143.37
4'	\$116.48	\$128.61	\$158.71
5'	\$127.21	\$139.54	\$166.70
6'	\$137.23	\$151.22	\$182.08
7'	\$152.95	\$159.29	\$195.88
8'	\$162.98	\$170.96	\$211.24
10'	\$173.51	\$187.49	\$248.61



FLAT FLANGE CLAMPS

ITEM#	DESCRIPTION	PRICE
C-QC6	6"	\$41.95
C-QC8	8" Triangular Latch	\$37.24
C-QC8J	8" J-Hook Style	\$41.67

RINGLOCK IRRIGATION STYLE FITTING CLAMPS

Part# RLC



	PRICE
4"	\$16.75
6"	\$18.60
8"	\$20.38
10"	\$25.35
12"	\$30.20



MONSTER TUBE

- 6" Extruded aluminum tube, 78" overall length.
- Fully assembled with dig tube protector installed.
- Built in 8" reducer welded to end.

PART# MTUBE

8" FLAT FLANGE

\$382⁹⁰

8" BANDLOCK/
RINGLOCK

\$391⁵⁰

**0.125" WALL,
THICKER THAN THE
COMPETITION!**



REDUCER CROWN ADAPTER

Aluminum

ITEM#	DESCRIPTION	PRICE
VTRR8F6C	8" Flat Flange * 6" Crown	\$167.14
VTRR8F4C	8" Flat Flange * 4" Crown	\$201.86
VTRR6F4C	6" Flat Flange * 4" Crown	\$154.29



REPLACEMENT WELD ON CROWN NOZZLE

ITEM#	DESCRIPTION	PRICE
CROWN-6AL	6" Aluminum	\$59.14
CROWN-6ST	6" Steel	\$34.71
CROWN-8AL	8" Aluminum	\$63.00
CROWN-8ST	8" Steel	\$39.86



**PRICES INCLUDE
20% TARIFF
INSTITUTED BY
BANDLOCK STARTING
AUGUST 2018**

MANHOLE PIPE CLAMP

Part# MHPC Clamps around tubes sent into a manhole for safe operation!

TUBE SIZE	HANDLE WIDTH	PRICE
6"	24"	\$94.38
6"	36"	\$114.25
8"	24"	\$104.32
8"	36"	\$123.67



HYDRO-VAC HANDLE

Hydro-Vac Handle clamps tightly around your Vacuum tubes for a perfect fit.

The interior neoprene replaceable gasket and 2 side handles help to move your tube where you want it.

Works great for Hydro Excavation and Pot-Holing.

4" PART# HYH-4

\$73⁷⁵

6" PART# HYH-6

\$80⁵¹

8" PART# HYH-8

\$89¹⁵

POLYETHYLENE (HDPE) VACUUM TUBES

- HDPE tubes are designed for safety and extended life (2-3 times longer life than conventional aluminum dig tubes) resulting in tremendous savings.
- Non-conductive, completely insulated from electrical shock.



FLAT FLANGE TUBES

- Fits Vactor / Vac-Con Style Flat Flanges

PART# VTTPP-FF

DESCRIPTION	PRICE
6" X 6' Flat Flange Extension	\$350.73
8" X 6' Flat Flange Extension	\$416.80
6" X 6' Flat Flange Dig Tube	\$370.07
8" X 6' Flat Flange Dig Tube	\$471.67

**1 YEAR
LIMITED
WARRANTY**



8 X 6 REDUCER TUBES

- 8" Fitting with 6" Tube and boot, all in one.
- 8 x 6 reducing dig tubes mean that there is no need for a reducing adapter.

PART# VTTPP-R86

DESCRIPTION	PRICE
8" FF - Reducer 6" Pipe x 6' Dig Tube	\$442.07
8" FF - Reducer 6" Pipe x 6' Tube x/Crown	\$468.50
8" H-Lock IRR - Reducer 6" Pipe x 6' Dig Tube	\$471.09

**1 YEAR
LIMITED
WARRANTY**



H-LOCK TUBES

- H-Lock Irrigation fitting
- Compatible with Bandlock / Travis / Ringlock

PART# VTTPP-IR

DESCRIPTION	PRICE
6" X 6' H-Lock Irrigation MXF Extension	\$446.43
8" X 6' H-Lock Irrigation MXF Extension	\$566.43
6" X 6' H-Lock Irrigation Dig Tube	\$432.50
8" X 6' H-Lock Irrigation Dig Tube	\$611.11

**1 YEAR
LIMITED
WARRANTY**

**LASTS 2-3
TIMES LONGER THAN
ALUMINUM!**



REPLACEMENT BOOT FOR HDPE DIG TUBES

DESCRIPTION	PRICE
6" Dig Tube Boot	\$142.86
8" Dig Tube Boot	\$177.77

**PHONE ORDERS
8 AM - 10 PM EST
7 DAYS A WEEK**

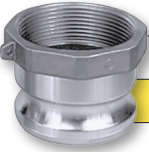
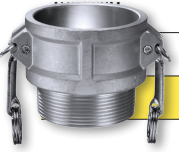

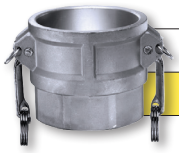
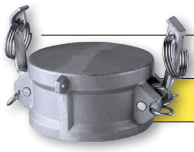





**SHOP
ONLINE
24 HOURS
A DAY
7 DAYS
A WEEK**

www.varcopumper.com

CAMLOCK FITTINGS



TYPE A - MALE ADAPTER X FEMALE THREAD		1½"	2"	2½"	3"	4"	5"	6"	8"
	ALUMINUM	\$2.40	\$2.64	\$5.31	\$4.96	\$8.14	\$15.05	\$16.14	\$69.75
	POLYPROPYLENE	\$2.09	\$2.68	-	\$4.93	\$10.44	-	-	-
	USA ALUMINUM	LOW PRICES!	-	\$8.95	-	\$15.15	\$34.35	-	\$68.85
	STAINLESS STEEL	-	\$14.30	\$28.66	\$27.36	\$44.42	-	\$92.10	-
TYPE B - FEMALE COUPLER X MALE THREAD		1½"	2"	2½"	3"	4"	5"	6"	8"
	ALUMINUM	\$13.73	\$5.80	\$10.07	\$9.91	\$13.73	\$27.14	\$30.35	-
	POLYPROPYLENE	\$6.37	\$8.59	-	\$13.42	\$22.42	-	-	-
	USA ALUMINUM	LOW PRICES!	-	\$18.25	-	\$28.65	\$43.95	-	\$101.65
	STAINLESS STEEL	\$62.44	\$21.50	\$36.67	\$41.99	\$60.97	-	\$131.58	-
TYPE C - FEMALE COUPLER X HOSE SHANK		1½"	2"	2½"	3"	4"	5"	6"	8"
	ALUMINUM	\$5.35	\$5.75	\$9.52	\$9.99	\$15.50	\$27.74	\$34.58	\$142.50
	POLYPROPYLENE	\$7.08	\$7.96	-	\$13.20	\$22.40	-	-	-
	USA ALUMINUM	LOW PRICES!	-	\$17.55	-	\$27.55	\$39.15	-	\$99.45
	STAINLESS STEEL	\$19.41	\$23.55	\$33.64	\$48.14	\$72.21	-	\$149.26	-
TYPE D - FEMALE COUPLER X FEMALE THREAD		1½"	2"	2½"	3"	4"	5"	6"	8"
	ALUMINUM	\$5.72	\$6.30	\$10.62	\$10.01	\$14.88	\$27.01	\$30.54	\$133.50
	POLYPROPYLENE	\$7.73	\$7.96	-	\$13.57	\$24.13	-	-	-
	USA ALUMINUM	LOW PRICES!	-	\$17.45	-	\$28.05	\$40.75	-	\$102.75
	STAINLESS STEEL	\$22.04	\$28.70	\$39.70	\$44.42	\$66.69	-	\$134.65	-
TYPE DC - DUST CAP		1½"	2"	2½"	3"	4"	5"	6"	8"
	ALUMINUM	\$4.79	\$5.17	\$7.30	\$8.50	\$10.99	\$19.63	\$27.50	\$109.29
	POLYPROPYLENE	\$6.44	\$7.96	-	\$11.72	\$18.94	-	-	-
	USA ALUMINUM	LOW PRICES!	-	\$15.45	-	\$20.45	\$27.95	-	\$70.95
	STAINLESS STEEL	\$16.46	\$20.51	\$28.87	\$33.72	\$55.99	-	\$89.26	-
TYPE DP - DUST PLUG		1½"	2"	2½"	3"	4"	5"	6"	8"
	ALUMINUM	\$2.01	\$2.28	\$4.77	\$4.05	\$6.76	\$11.32	\$14.29	-
	POLYPROPYLENE	\$1.54	\$2.09	-	\$3.67	\$6.53	-	-	-
	USA ALUMINUM	LOW PRICES!	-	\$8.75	-	\$12.65	\$19.45	-	\$40.85
	STAINLESS STEEL	\$10.36	\$12.36	\$21.56	\$24.13	\$39.93	-	\$95.40	-
TYPE E - MALE ADAPT. X HOSE SHANK		1½"	2"	2½"	3"	4"	5"	6"	8"
	ALUMINUM	\$2.63	\$3.09	\$6.50	\$6.32	\$10.36	\$20.28	\$27.75	\$85.25
	POLYPROPYLENE	\$2.39	\$2.39	-	\$4.80	\$8.99	-	-	-
	USA ALUMINUM	-	\$10.45	-	\$18.45	\$37.05	-	\$73.15	-
	STAINLESS STEEL	\$14.64	\$21.13	\$28.93	\$39.64	\$61.17	-	\$131.80	-
TYPE F - MALE ADAPT. X MALE THREAD		1½"	2"	2½"	3"	4"	5"	6"	8"
	ALUMINUM	\$2.99	\$3.32	\$6.63	\$6.98	\$9.88	\$18.43	\$24.00	-
	POLYPROPYLENE	\$2.09	\$2.35	-	\$4.83	\$8.99	-	-	-
	USA ALUMINUM	-	\$10.65	-	\$20.55	\$35.76	-	\$83.95	-
	STAINLESS STEEL	\$18.31	\$19.46	\$33.26	\$39.29	\$65.25	-	\$141.64	-

QUICK CONNECT COUPLINGS WITH NEW LOW PRICES ON USA ALUMINUM - SAVE UP TO 20% OFF OUR OLD PRICING! Our Quick Connect Fittings provide a unique quick coupling connection for hoses handling water, liquid petroleum and other fluids. Popular for their durability and ease of use, they are interchangeable with other manufacturers. *Available in aluminum, brass, stainless steel, or polypropylene. Choose the ends that best fit your needs.*

TYPE DA
FEMALE CAM X MALE ADAPTER


	1½" X 2"	2" X 1½"	2½" X 2"	2" X 3"	2" X 4"	3" X 1½"	3" X 2"	3" X 2½"	3" X 4"
ALUMINUM	\$19.95	\$19.35	-	\$17.95	\$29.24	\$31.95	\$19.95	\$25.37	\$27.22
USA ALUMINUM	\$42.35	\$33.25	\$52.45	\$38.75	\$62.35	\$49.75	\$47.25	\$66.55	\$60.35
STAINLESS STEEL	\$70.24	\$70.67	-	\$91.93	\$93.01	\$83.29	\$88.86	-	\$125.34
	4" X 2"	4" X 3"	4" X 6"	6" X 3"	6" X 4"				
ALUMINUM	\$24.95	\$29.95	\$54.70	-	\$56.95				
USA ALUMINUM	\$56.75	\$56.75	\$103.05	\$108.85	\$101.55				
STAINLESS STEEL	\$132.07	\$136.08	\$239.63	-	\$257.90				


CAM EARS

• Replacement Ears & Pins

2"	3"-5"	6"
\$2.55	\$3.95	\$9.95

TYPE DD
FEMALE CAM X FEMALE CAM


	1½" X 1½"	2" X 2"	3" X 2"	3" X 3"	4" X 3"	4" X 4"
ALUMINUM	\$20.95	\$23.68	\$28.50	\$30.95	\$37.95	\$37.95
USA ALUMINUM	\$35.55	\$37.95	\$59.95	\$44.75	\$61.05	\$66.35
STAINLESS STEEL	\$52.41	\$66.91	\$186.93	\$104.33	\$136.96	\$141.75

TYPE SA
MALE ADAPTER X MALE ADAPTER


	1½" X 1½"	1½" X 2"	2" X 2"	3" X 2"	3" X 3"	4" X 3"	4" X 4"	6" X 4"	6" X 6"
ALUMINUM	\$8.50	\$8.50	\$8.95	\$12.95	\$14.95	\$21.95	\$21.95	\$36.25	\$54.90
USA ALUMINUM	\$19.95	\$21.95	\$21.75	\$35.95	\$34.45	\$48.85	\$49.25	\$121.75	\$117.05
STAINLESS STEEL	\$44.94	\$44.83	\$50.97	\$69.41	\$89.97	\$108.57	\$136.32	\$225.07	\$238.16

TYPE AR
MALE ADAPTER X FEMALE NPT


	2" X 1½"	2" X 3"	3" X 2"	3" X 4"	4" X 3"	4" X 6"	6" X 4"	3" X 2½" Hydrant
ALUMINUM	\$9.95	\$10.95	\$13.95	\$20.22	\$20.22	\$35.38	\$45.37	-
USA ALUMINUM	\$22.95	\$34.75	\$29.85	\$28.95	\$38.55	-	-	\$39.95
STAINLESS STEEL	\$107.05	\$111.15	\$123.65	\$135.85	\$243.95	-	-	-

TYPE FR
MALE ADAPTER X MALE NPT


	2" X 3"	3" X 1½"	3" X 2"	3" X 4"	4" X 2"	4" X 3"	4" X 6"
ALUMINUM	\$12.03	\$15.95	\$12.95	\$21.37	\$29.95	\$26.33	\$39.95
USA ALUMINUM	\$33.55	\$33.75	\$33.25	\$42.55	\$49.45	\$48.65	-
STAINLESS STEEL	\$170.55	\$132.15	\$102.75	\$123.25	-	\$183.45	-

TYPE ER
MALE ADAPTER X HOSE SHANK


	2" X 1½"	2" X 2½"	2" X 3"	3" X 2"	3" X 2½"	3" X 4"	4" X 2"	4" X 3"
ALUMINUM	\$8.95	-	\$13.95	\$11.68	\$34.95	\$18.74	\$19.95	\$21.46
USA ALUMINUM	\$24.25	\$31.65	-	\$36.55	\$41.25	-	-	\$47.45
STAINLESS STEEL	-	-	-	-	-	-	-	-

TYPE CR
FEMALE ADAPTER X HOSE SHANK

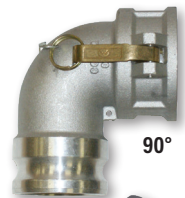

	2" X 1½"	2" X 2½"	3" X 2"	3" X 2½"	3" X 4"	4" X 3"
ALUMINUM	\$14.54	\$35.75	\$21.05	-	\$29.95	\$41.05
USA ALUMINUM	\$31.65	\$33.95	\$35.55	\$47.15	-	\$50.45
STAINLESS STEEL	-	-	-	-	-	-

TYPE BR
FEMALE ADAPTER X MALE NPT


	2" X 1½"	2" X 3"	3" X 2"	3" X 4"	4" X 3"
ALUMINUM	\$16.29	-	\$22.80	\$22.80	\$28.75
USA ALUMINUM	\$33.45	\$41.25	\$42.25	\$57.75	\$61.95
STAINLESS STEEL	\$121.45	-	\$204.05	-	-

TYPE DR
FEM. ADAPTER X FEM. NPT


	1½" X 1"	2" X 1½"	3" X 2"	4" X 3"
ALUMINUM	\$17.95	\$22.55	\$19.95	\$27.95
USA ALUM.	\$31.65	\$30.95	\$43.15	\$62.15
S. STEEL	\$114.15	\$105.85	-	-



90°



45°

ALUMINUM ELBOW

Jump sizes may be available.
Take the stress off your hose so it doesn't break!

	2"	3"
45°	\$79.50	\$90.00
90°	\$44.75	\$69.00
	4"	6"
45°	\$119.97	\$271.50
90°	\$110.65	\$299.95


REPLACEMENT
GASKETS FOR CAM AND
GROOVE COUPLINGS

REGULAR THICKNESS			
2"	3"	4"	6"
\$0.65	\$0.89	\$1.01	\$1.75
EXTRA THICK			
2"	3"	4"	6"
\$0.76	\$0.98	\$1.31	\$2.50

PW GUNS & WASHDOWN GUNS



740GUN

ST-1500



ST-3300

ST-3500



ST-3600

SPRAY GUNS

¾" INLET, ¼" OUTLET			
PART#	GPM	PSI	PRICE
740GUN	7	4000	\$15.58
ST-1500	10.4	5000	\$25.42
½" INLET, ½" OUTLET			
ST-3300	27	2170	\$222.59
ST-3500	53	5000	\$236.75
ST-3600	21	8700	\$273.85



YG-4500S



YG-4032S



ST-601

LINEAR SPRAY GUNS

$\frac{3}{8}$ " INLET, $\frac{1}{4}$ " OUTLET			
PART#	GPM	PSI	PRICE
YG4500S	10.5	4500	\$26.15
ST-601	12	4000	\$31.25
$\frac{1}{2}$ " INLET, $\frac{1}{2}$ " OUTLET			
YG4032S	32	4050	\$247.97



DCG5010HE REVERSE SPRAY GUN

Reversed inlet / outlet make digging easier and faster!
5000psi, 10.5gpm,
 $\frac{3}{8}$ " IN, $\frac{1}{4}$ " OUT

\$3825



QUICK CONNECT SOCKETS & PLUGS

Part# STQC Smooth, open bore with no valving in either half offers min. pressure drop & easy cleaning where the same lines are used for more than one media. Multiple options available! Brass, stainless steel, reducers, etc.

SIZE	PLUG X FNPT	PLUG X MNPT	SOCKET X FNPT	SOCKET X MNPT
$\frac{1}{4}$ "	\$1.36	\$1.36	\$4.44	\$4.44
$\frac{3}{8}$ "	\$2.27	\$2.27	\$5.71	\$5.71
$\frac{1}{2}$ "	\$3.72	\$4.08	\$9.98	\$9.53
$\frac{3}{4}$ "	\$7.10	\$7.36	\$16.71	\$16.71

WATER-BLAST INTER-CHANGE COUPLINGS

- Machined from solid high strength steel bar stock and hardened.
- Max Working PSI: 10,000; Burst PSI: 30,000

Compatibility & Interchange Data:

Dixon EA Series, Parker Series-WB, Aeroquip FD69, Snap-Tite 56-Series


ITEM#	SIZE	PRICE
4EA3	$\frac{3}{8}$ " Socket	\$69.85
4EA4	$\frac{1}{2}$ " Socket	\$69.85
EA43	$\frac{3}{8}$ " Plug	\$19.50
EA44	$\frac{1}{2}$ " Plug	\$19.50

*repair kits available

$\frac{1}{2}$ " HIGH PRESSURE LANCES

Stainless steel,
 $\frac{1}{2}$ " NPT threaded

Part# PWLANC12

36"	48"	
\$51.82	\$67.90	
60"	72"	
\$87.50	\$103.62	\$97.21

$\frac{1}{2}$ " x $\frac{1}{4}$ " HEX BUSHING

One piece reduce to connect $\frac{1}{2}$ " Turbo Nozzles to $\frac{1}{4}$ " Lances.

#540684

\$225



#PWSIVEL-1/2

Brass or Stainless Steel

SWIVELS

PART#	SIZE	PSI	PRICE
PWSWIVEL-3/8	$\frac{3}{8}$ "	5000	\$28.85
PWSWIVEL-1/2B	$\frac{1}{2}$ "	3200	\$22.50
PWSWIVEL-1/2S	$\frac{1}{2}$ "	3200	\$46.55



HXWGUN-12

HXWGUN-38

ADJUSTABLE STREAM: JET TO CONE

HYDRO-EX WASHDOWN GUN ASSEMBLY

The side handle grip makes an effortless adjustment of the water jet during operation possible. A long casting point jet or a progressive cone like spray jet can be set.

PART#	IN-LET	MAX GPM	MAX PSI	PRICE
HXWGUN-12	$\frac{1}{2}$ "	21	2,000	\$230.95
HXWGUN-38	$\frac{3}{8}$ "	8	3,000	\$216.05

PRESSURE WASHER TRIGGER GUN & LANCE COMBO

#PWGUN

- 4000psi rated with built in trigger safety.
- $\frac{3}{8}$ " Plug at bottom of gun included.
- Insulated lance with $\frac{1}{4}$ " socket at end.
- Lances available in different lengths.

SIZE	PRICE	SIZE	PRICE
18"	\$26.60	47"	\$31.07
24"	\$27.75	59"	\$35.07
28"	\$27.75	79"	\$38.34
36"	\$28.46		



SAFETY

SUTTNER YELLOW FOOT ACTUATED VALVE

- Inlet and outlet are positioned to help keep hose out of the way.
- Heavy gauge steel construction for durability.
- Pedal and valve are in protective housing.

PRESS.	FLOW	INLET	OUTLET	WT.
3000 PSI	8 GPM	$\frac{3}{8}$ " FPT	$\frac{1}{4}$ " FPT	7 lbs.

Part#: 999000012 **\$8290**

GENERAL PUMP INDUSTRIAL FOOT VALVE

- Hands-free operation
- Heavy-gauge steel construction
- Powder-coated - Pedal guards

PRESS.	FLOW	INLET	OUTLET	WT.
5000 PSI	10 GPM	$\frac{3}{8}$ " FPT	$\frac{1}{4}$ " FPT	2 lbs.

Part#: DFV5010 **\$13275**



NON MARKING BLUE AVAILABLE

PRESSURE WASHER HOSE

- Coupled MxM
- Includes hand guard
- Rated to 250°F

4000 PSI - 1 Wire Reinforcement

ITEM#	SIZE	PRICE
PW4000	$\frac{3}{8}$ " x 50'	\$59.95
PW4000	$\frac{3}{8}$ " x 100'	\$115.95
PW4000	$\frac{1}{2}$ " x 50'	\$94.30
PW4000	$\frac{1}{2}$ " x 100'	\$172.90

5800 PSI - 2 Wire Reinforcement

ITEM#	SIZE	PRICE
PW5800	$\frac{3}{8}$ " x 50'	\$62.95
PW5800	$\frac{3}{8}$ " x 100'	\$120.95

PRESSURE WASHER HOSE & REELS



HANNAY SUPER SWIVELS

NEW!

STRAIGHT	PART#	PRICE
1/2"	9927.8535	\$103.00
1"	9929.8051	\$82.00
90°	PART#	PRICE
1/2"	9927.8551	\$45.00
3/4"	9928.8551	\$65.00
1"	9929.8553	\$82.00

PRESSURE NOZZLE 4 PACK

#PWN4PACK

- Includes: 0°, 15°, 25°, 40° 1/4" QC Nozzles.
- Fits our pressure washer gun assembly.
- Available in orifice sizes from 2.0 to 10.0.
- Not sure what size you need? GIVE US A CALL!

\$14⁵⁵ ea.



DIRTKILLER NOZZLE SHIELD

Clamps directly onto your pressure washer wand to help guard against back splash when using a rotary nozzle. Clear plastic allows operator to see what they cleaning while protecting them. Also useful for protect surrounding surfaces when cleaning from unwanted splash back.

- Dimensions: 10"(H) x 9.5"(W) x 9.5"(L).
- Protects user & surrounding area.
- Clamps directly to pressure washer lance.

PART# NOZZSHIELD

\$42⁹⁰

HIGH PRESSURE MOLDED GRIP LANCES

Part# PWLANCE 1/4" NPT threaded

18"	24"	28"	36"	47"	59"	79"
\$5.75	\$7.20	\$9.86	\$7.71	\$10.21	\$13.80	\$16.98

FULL LINE DISTRIBUTOR FOR HANNAY, REELCRAFT & COX REELS!

Hannay Reels
The reel leader.

REELCRAFT

COXREELS

HANNAY LARGE FRAME ELECTRIC REWIND REELS

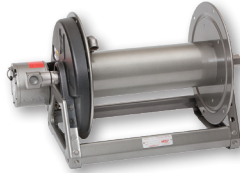


HANNAY 1500 SERIES W/12V DC REWIND MOTOR

- Lightweight, compact reels designed for long lengths of hose in manual and power rewind.
- Chain and sprocket drive powered by electric, hydraulic, or compressed air motor.
- Standard inlet: 90° ball bearing swivel joint, 1/2" female NPT threads.
- Temps from +20° F to +400° F (-7° C to +204° C).
- Std. pressures to 3,000 psi (207 bar), available up to 10,000 psi (690 bar) - must specify.
- Standard outlet: 1/2" female NPT threads. (permanent 3/8" or 1/4" outlet available).

PART#	HOSE CAPACITY		PRICE
	3/8"	1/2"	
E1516-17-18	175'	125'	\$665.00
E1520-17-18	275'	175'	\$665.00
E1526-17-18	400'	300'	\$665.00
E1530-17-18	500'	375'	\$665.00

*add \$35.00 for pressure rating of 5,000 psi



HANNAY 1800 SERIES W/12V DC REWIND MOTOR

- Lightweight, compact reels designed for long lengths of hose in manual and power rewind.
- Chain and sprocket drive powered by electric, hydraulic, or compressed air motor.
- Standard inlet: 90° ball bearing swivel joint, 1" female NPT threads.
- Temps from +20° F to +400° F (-7° C to +204° C).
- Std. pressures to 2,000 psi (207 bar), available up to 4,000 psi (276 bar) - must specify.
- Standard outlet: 3/4" female NPT threads.

PART#	3/4" HOSE CAP.	PRICE
E1822-17-18	100'	\$725.00
E1830-17-18	150'	\$725.00
E1836-17-18	200'	\$725.00

*add \$35.00 for pressure rating of 4,000 psi

HANNAY HOSE REELS FOR JETTER HOSE AND AIR/WATER HOSE

Many sizes and configurations available to handle hose up to 2" - CALL FOR QUOTE
ROLLER GUIDES NOT INCLUDED, CALL FOR PRICING

HANNAY GROUNDING CABLE REELS

- These reels bond and/or ground aircraft, fuel trucks, and other equipment.
- Optional stainless steel construction of spool, frame, and ratchet system available.
- Standard finish is oven-cured enamel.
- Stainless steel or plastic-covered cable & "Y" branches avail. at additional charge.
- Cable guide arm of cast aluminum and ZA12 alum zinc alloy.
- 100 amp alligator clamp.



SPRING REWIND

PART#	CABLE LENGTH	PRICE
HGR50	75'	\$295.00
HGR100	100'	\$335.00

MANUAL REWIND

PART#	CABLE LENGTH	PRICE
MHGR50	125'	\$212.00
MHGR100	175'	\$228.00

*call for options: cable length, material, etc.

HANNAY PORTABLE HOSE REEL

- Std. pressure 5000 psi (345 bar).
- For 1/4" hose; 150' capacity.
- All steel.
- Velcro hose strap.
- Quality swivel joint.
- Manual rewind.

Part# H16-14-16

\$263⁰⁰



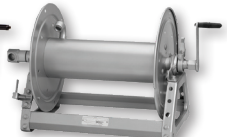
HANDCRANK 3000+psi



#1516-17-18

1/2" Outlet For 3/8" x 175' hose

\$285⁰⁰*



#1822-17-18

For 3/4" x 100' hose

\$345⁰⁰*

*add \$35.00 for pressure rating of 5,000 psi

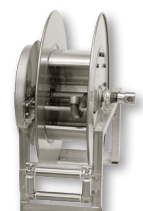
SPRINGLOADED 3000PSI



#N718-25-26-15.5G

1/2" x 100'

\$690⁰⁰



#N818-23-24J

For 3/4" x 50' Hose Bottom Wind

\$600⁰⁰

Add \$156.00 to include 3/4" x 50' hose.



BUMPER STOP FOR SPRING REWIND REELS

#9922.0200

Custom drilled, need to know hose O.D.

\$17²⁵



HANNAY 6200 SERIES HYDRAULIC REWIND

- Heavy-duty, Strong spool and frame to control hose expansion.
- Standard Inlet: 90° ball bearing swivel joint, 1" female NPT threads.
- Standard Outlet: 1" female NPT threads.
- #50 chain and sprocket drive, Full chain guard.
- Steel hub assembly rated to 3,000 psi (207 bar) Optional 5,000 psi working pressure, roller assembly, direct drive hydraulic motor rewind, & hose pkg.
- Capacities available of up to 900' of 3/4" hose, or 500' of 1" hose.

**CUSTOM QUOTE ONLY -
CALL FOR PRICING**

HYDRAFLEX TURBO NOZZLES



PRICES TOO LOW TO PRINT. CALL FOR OUR LOWEST PRICES!



RIPSAW TURBO NOZZLE

Part# RIPSAW

- The RIPSAW blasts a 0° straight water stream at up to 3200 PSI while rotating at a high speed to provide an 18° cone of coverage.
- Constructed with a stainless steel housing and tungsten carbide wear surfaces to withstand harsh environments and provide longer life than ceramic nozzles.
- Non-conductive urethane coating on the nozzle body protects users from electrocution.
- Repair kits available!



Part# RIPSAW

LIST PRICE ~~\$255.00~~

PRICE TOO LOW TO PRINT!

RIPSAW FLOW RATE CHART (GPM)

NOZZLE SIZE	1000PSI	1500PSI	2000PSI	2500PSI	3000PSI	3200PSI
3.0	1.5	1.8	2.1	2.4	2.6	2.7
4.0	2	2.4	2.8	3.2	3.5	3.6
5.0	2.5	3.1	3.5	4	4.3	4.5
6.0	3	3.7	4.2	4.7	5.2	5.4
8.0	4	4.9	5.7	6.3	6.9	7.2
10.0	5	6.1	7.1	7.9	8.7	8.9
12.0	6	7.3	8.5	9.5	10.4	10.7



Part# RIPSAW-HD

Heavy Duty Urethane Coating!

LIST PRICE ~~\$295.00~~

PRICE TOO LOW TO PRINT!



Part# RIPSAWKIT Ripsaw Repair Kit

LIST PRICE ~~\$128.00~~

PRICE TOO LOW TO PRINT!



SWITCHBLADE TRENCHING NOZZLE

The Switchblade™ nozzle is designed and engineered for the rugged Hydro-Excavation industry. These heavy-duty, high-impact nozzles allow you to cut through dirt faster while using dramatically less water.

- Performance** - Complete jobs faster with more runtime and less downtime. A combination of (1), (2), or (4) 0° solid stream nozzles provide greater impingement, allowing you to cut through soil faster while using dramatically less water. The Switchblade's long, linear flow path is ideally suited for trenching applications.
- Durability** - These heavy duty, high impact nozzles are constructed with stainless steel housings and tungsten carbide wear surfaces to withstand harsh environments and provide longer life than stainless steel nozzle tips.
- Safety** - Non-conductive urethane coating on the nozzle body protects the operator and sensitive underground utilities.
- Flexibility** - Individual, replaceable, color-coded nozzle pills allow you to change water flow rate and pattern based on current soil conditions.

Part# SWITCHBL

ITEM	DESCRIPTION	LIST PRICE	PRICE
ACE	1 Nozzle	\$218.00	PRICE TOO LOW TO PRINT!
DEUCE	2 Nozzles	\$249.00	PRICE TOO LOW TO PRINT!
QUAD	4 Nozzles	\$299.00	PRICE TOO LOW TO PRINT!

**Specify GPM and PSI when ordering!*

REPLACEMENT NOZZLE PILLS AVAILABLE, CALL FOR OPTIONS!



AQUA ROCKET TURBO NOZZLE

#AQUAROCKET Durable & Long Lasting - These heavy-duty nozzles are constructed with stainless steel housings and tungsten carbide nozzle tips and seats to withstand harsh environments and provide longer life than ceramic nozzles. Aqua-Rocket™ nozzles are equipped with a high-temperature, drop-resistant rubber cover. Rebuild kits are also available for extended life and lower overall operating costs.

NOZZLE LIST PRICE ~~\$195.00~~

PRICE TOO LOW TO PRINT!

REPAIR KIT LIST PRICE ~~\$128.00~~

PRICE TOO LOW TO PRINT!



AQUA ROCKET Flow Rate Chart (GPM)

NOZZLE SIZE	1500PSI	2000PSI	2500PSI	3000PSI	3500PSI	4000PSI
3.0	1.5	1.8	2.1	2.4	2.6	2.7
3.5	2	2.4	2.8	3.2	3.5	3.6
4.0	2.5	3.1	3.5	4	4.3	4.5
4.5	3	3.7	4.2	4.7	5.2	5.4
5.0	4	4.9	5.7	6.3	6.9	7.2



1/2" x 1/4" HEX BUSHING

One piece reducer to connect 1/2" Turbo Nozzles to 1/4" Lances.

#540684

\$225



See 1/2" Guns & Lances on page 17



**SHOP ONLINE 24 HOURS
A DAY 7 DAYS A WEEK**

www.varcopumper.com

OPEN 8 AM TO 10 PM EST - 7 DAYS A WEEK



WEDGEBLASTER TRENCHING NOZZLE

Part# WEDGEBLASTER

- Standard 1/2" Female NPT Connection
- Three High Impact 0° Nozzles
- Urethane Coated for Durability and Operator Protection
- Stainless Steel Body, Hardened Stainless Nozzle Inserts for Long Life
- Easily Change Worn Nozzles
- Dimensions: 1 3/4" Long x 2 1/4" Wide
- Flow to 30 Gpm, Pressure to 4,000 PSI

*Specify GPM and PSI when ordering!

\$145²⁰



TURBO NOZZLE STRAINER

Protects from dirt or other damaging particles from entering turbo nozzles.

- Extends the life of your turbo nozzle.
- Threads into turbo nozzle inlet and lance outlet.

- Cleanable screen.
- 6000psi max
- 1/4" FNPT x 1/4" MNPT

Part# 900000019

\$12⁰⁶



ST457 TWIN TURBO LANCE

- The increased tearing action of the rotating spray is ideal for hard surface applications, such as hydro-excavation, concrete graffiti cleaning or caked mud on heavy equipment.
- The two turbo nozzles cover twice the amount of surface area resulting in saving time and money.
- 42" long Stainless steel lance
- 6000psi MAX

Part# ST457TWIN

\$275⁷⁶

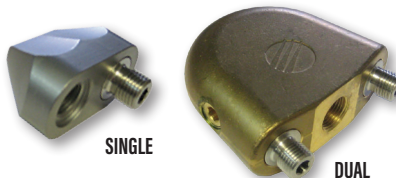


SUTTNER TURBO NOZZLES

The increased tearing action of the rotating spray is ideal for hard surface applications, such as concrete graffiti cleaning or caked on mud on heavy equipment.

- 20° Spray angle
- The 0° rotation creates a cleaning and tearing action.
- Improved materials for longer life.

PART#	MAX PSI	INLET	PRICE
ST357	3625	1/4" FNPT	\$55.25
ST457	6000	1/4" FNPT	\$98.65
ST457H	6000	1/2" FNPT	\$88.10



TURBO NOZZLE DRIVERS

- Excellent choice for cutting and flushing roots, flushing silt and debris from sewer mainlines.
- Pair with turbo nozzles above

Part# NOZZDRIVER

	INLET SIZE	MAX PSI	MAX GPM	O.D.	PRICE
Single	1/4"	5,800	16	2.06"	\$80.50
Dual	3/8"	5,076	21	3.46"	\$63.50



GENERAL PUMP TURBO NOZZLES

- Strong brass structure.
- Highly shock resistant ceramic seat and nozzle.
- Internal stabilization spring.
- Oversized bearings for long life.
- Can be used in any position.

PART#	MAX PSI	INLET	PRICE
YR23K	2,300	1/4" FNPT	\$50.57
YR36K	3,650	1/4" FNPT	\$51.21
YR51K	5,100	1/4" FNPT	\$65.81

Nozzle sizes from 2.0 - 8.0



SPRAY NOZZLE SELECTION CHART

	1500 PSI	2000 PSI	2500 PSI	3000 PSI	3500 PSI	4000 PSI	4500 PSI	5000 PSI
GPM	NOZZLE SIZE							
3.0	5.0	4.0	4.0	3.5	3.0	3.0	3.0	2.5
3.5	5.5	5.0	4.5	4.0	3.5	3.5	3.0	3.0
4.0	6.5	5.5	5.0	4.5	4.5	4.0	4.0	3.5
4.5	7.5	6.5	5.5	5.0	5.0	4.5	4.0	4.0
5.0	8.0	7.0	6.5	6.0	5.5	5.0	4.5	4.5
5.5	9.0	8.0	7.0	6.5	6.0	5.5	5.0	5.0
6.0	10.0	8.5	7.5	7.0	6.5	6.0	5.5	5.5
6.5	11.0	9.0	8.0	7.5	7.0	6.5	6.0	6.0
7.0	12.0	10.0	9.0	8.0	7.5	7.0	6.5	6.5
7.5	12.0	11.0	10.0	8.5	8.0	7.5	7.0	6.5
8.0	13.0	12.0	10.0	9.0	8.5	8.0	7.5	7.0
8.5	15.0	12.0	11.0	10.0	9.0	8.5	8.0	7.5
9.0	15.0	13.0	12.0	11.0	10.0	9.0	8.5	8.0

JETTER HOSE & TRACER DYE



VARCO LATERAL LINE / WATER JETTER HOSE



VARCO Branded and MADE IN THE USA;
We get it for less, so we can sell it for less.

- Lateral line hose has become the standard for the septic industry.
- Polyether-urethane cover provides exceptional cut, abrasion and fungus resistance.
- Sizes from 1/8" up to 1", Working pressures up to 4800psi.



Comes on Plastic Reel- For No Extra Charge! No Cardboard to Get Wet!

Smaller sizes and lengths do not come on reel - check with your customer service rep for details.



**3/4" AND UP
FOR VAC TRUCKS**



**1/8" AND UP
FOR JETTERS**

**VARCO
BARRACUDA
& JETTERFLEX**



VARCO JETTERFLEX LATERAL LINE / JETTER HOSE

4000 psi rated • Safety Green - Pressure Tested • Precoupled assemblies MXM pipe thread fittings

	50'	75'	100'	150'	200'	250'	300'	400'	500'	600'
1/8"	\$25.65	\$33.90	\$41.50	\$62.55	\$74.95	\$93.10	\$118.30	\$235.30	\$198.35	-
1/4"	\$37.35	-	\$62.25	\$85.10	\$108.25	\$151.55	\$174.70	\$243.55	\$292.50	-
3/8"	\$57.25	\$72.95	\$92.75	\$129.25	\$180.55	\$216.10	\$250.80	\$344.55	\$418.30	\$487.05
1/2"	\$95.35	-	\$174.50	-	\$353.40	\$440.60	\$517.95	\$659.70	\$852.95	\$972.20



**3/4" AND UP FOR
VAC TRUCKS**



**1/8" AND UP FOR
JETTERS**

**DOUBLE-BRAIDED
AND DOUBLE-BONDED
CONSTRUCTION!**



VARCO BARRACUDA SEWER CLEANING HOSE

- Bonded high abrasion mold and fungus resistant polyether-urethane, featuring an anti-stick additive for a snag resistant slick surface.
- Two braids of high tensile synthetic fiber.
- Temperature Range: -40 degrees F. to +150 degrees F.



**INTERCHANGEABLE
WITH ALL EXISTING
PIRANHA / EATON FITTINGS &
REPAIR TOOLS!**

PERFECT JETTER HOSE GUIDE!

VOLUME DISCOUNTS AVAILABLE- CALL



TIGER TAIL GUIDE HOSES

Part# TIGERGUIDE

- 36" long, easy to move and guide hose!
- Hi-viz yellow makes it easy to see and retrieve if it falls in!
- Includes 20ft of 1/4" or 1/2" rope for easy retrieval.
- Also available without rope (call for price).

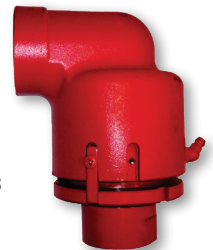
**WATER
JETTERS LOVE
THIS GUIDE
HOSE!**



2" w/ 1/4" Rope	\$18.95
2" w/ 1/2" Rope	\$21.50
3" w/ 1/4" Rope	\$28.00
3" w/ 1/2" Rope	\$30.50

6000PSI REEL SWIVEL, 90° ELBOW

Part# SWV-90-6K Swivel rated to 6000 psi and fitted with grease zerk fitting for lubrication and long wear. These are high quality cast steel with internal ball bearing and seals. Both side connections are female. These TM style swivel are manufactured and engineered to correct and exact specifications that are required for your sewer cleaner to operate correctly.



3/4" \$228⁵⁸ 1" \$228⁵⁸ 1 1/4" \$245⁷²

**Swivel Bearing Kit
\$14²⁹**

**Swivel Seal Kit
\$29⁰⁰**

BRASS INLET Y-STRAINER

- Stainless steel 20 mesh screen.
- Protects regulators, pumps, and other controls from damage due to sediment scale, metal chips or other foreign materials.



Part#: BYS

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
\$4.55	\$6.84	\$9.80	\$15.86	\$21.64	\$34.08



BRIGHT DYES TABLETS

Ideal for visual inspections of smaller volumes of water, less than 20,000 gallons.

Dissolves in 3-5mins

*Data sheets available upon request



NEW!



BRIGHT DYES UV FLASHLIGHT

- Powerful 385 nm black light with (14) 5mm UV LED bulbs, allowing it to fluoresce at distances over 20' in darkness.
- Toggle on/off switch for continuous use.
- Requires three AAA batteries (not included).

**PART# BD-UVLIGHT
\$56⁹⁵**

BRIGHT DYES LIQUID

Best for moderate to large volumes of water, more than 20,000 gallons.

Very rapid rate of dispersion

*Data sheets available upon request



NEW!

PART#	PRICE	CASE PRICE
BD-TABLETS	\$39.75/EA	\$37.50/EA (8 BOTTLES)

BRIGHT DYES COLOR GUIDE:	FLT Yellow/Green, FWT Red, FLT Orange, Std. Blue	FLUORESCENT?	NSF CERTIFIED?	FOOD GRADE?
		●●●●X	●●●●●	●●●●X

PART#	PRICE	CASE PRICE
BD-LIQ-PT	\$17.50/EA	\$15.95/EA (9 PINTS)
BD-LIQ-GAL	\$77.95/EA	\$72.95/EA (4 GALS)

**DIRECTS THE
NOZZLE EXACTLY WHERE
YOU WANT IT**

INSERT NOZZLE GUIDE

Connects to our interlocking pole systems. Attach nozzle in the jaws and lower the hose and nozzle into the manhole to the depth you need. Direct the end of the guide into the sewer line and open the water flow. With a slight "tug" on the rope you will open the jaws and release the hose and nozzle.

#ING - SS

\$522⁹⁰

TOP POPPER

Designed for superior strength.

FEATURES:

- Rigid 3/4" Hex alloy steel.
- Oversized "D" handle for gloved hand.
- Forged tip for inserting in small openings.
- Special rocker head provides additional leverage for "popping" open even the most difficult covers.

ITEM#	SIZE	PRICE
IN-LINE D HANDLE		
TPOP24L	24"	\$36.00
TPOP30L	30"	\$36.00
TPOP36L	36"	\$36.00
ROTATED D HANDLE		
TPOP24R	24"	\$36.00
TPOP30R	30"	\$36.00
TPOP36R	36"	\$36.00

CUSTOM LEADER HOSE

Cut and crimped in-house from 2-wire hydraulic hose. Female x Male fittings.

#HYD-LEAD

SIZE	LENGTH	PSI RATING	PRICE
1/4"	25'	5,800 psi	\$48.29
3/8"	25'	4,800 psi	\$57.12
1/2"	25'	4,000 psi	\$58.16
3/4"	25'	3,120 psi	\$101.00
1"	25'	2,400 psi	\$140.34

*Custom lengths available, call for pricing!



MANHOLE HOOKS

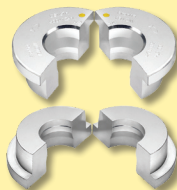
Specially designed to make manhole grate and cover removal safe and easy. Big D handle allows for easy grip even with work gloves. Alloy steel make them durable.

Choose regular or 90° style

SIZE	REG. PRICE	YOUR PRICE
24"	\$20.95	\$17.95
36"	\$29.95	\$22.95

PIRANHA SWAGE TOOLING

- No electricity required; ideal for field operation.
- Easily crimp end fittings and menders.



**DIES STARTING AT
\$155.24**



**DIE PUSHERS STARTING AT
\$111.41**



**FITTINGS STARTING AT
\$3.69**



**HYDRAULIC SWAGING TOOL
\$1,037.95**

SUPER FLEXIBLE FOR DRAINS & TRAPS!

RECOMMENDED BY



NEW!
CRISTIAN M.



only 9.2mm/0.362in O.D.!

BRONZE-JET DRAIN CLEANING HOSE

COUPLED 1/4" Male NPT (for reel)

X 1/2" Male NPT (for nozzle).

Core: Unplasticised Elastomer

Core, Single H.T. Carbon Steel

Braid, Polyurethane Cover.

• Working Pressure: 4,000psi

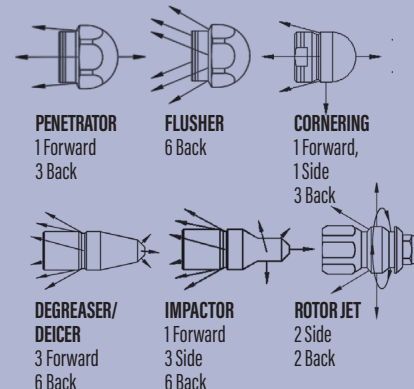
• Burst Pressure: 16,000psi

LENGTH	PRICE
25'	\$57.05
50'	\$90.35
75'	\$123.75
100'	\$151.50
125'	\$185.95
150'	\$223.75



**SINGLE
NOZZLES
AVAILABLE**

VARCO ELITE 6 PACK NOZZLE KIT



PENETRATOR
1 Forward
3 Back

FLUSHER
6 Back

CORNERING
1 Forward,
1 Side
3 Back

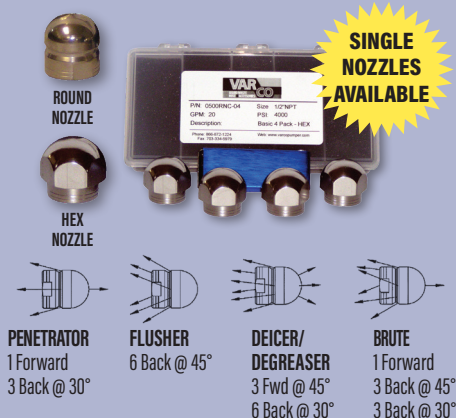
**DEGREASER/
DEICER**
3 Forward
6 Back

IMPACTOR
1 Forward
3 Side
6 Back

ROTOR JET
2 Side
2 Back

JETTER NOZZLE KITS

Free case & tip cleaner included with each nozzle kit.



**SINGLE
NOZZLES
AVAILABLE**

PENETRATOR
1 Forward
3 Back @ 30°

FLUSHER
6 Back @ 45°

**DEICER/
DEGREASER**
3 Fwd @ 45°
6 Back @ 30°

BRUTE
1 Forward
3 Back @ 45°
3 Back @ 30°

ROUND NOSE NOZZLE KIT

Smooth compact design allows for maneuvering bends and can be drilled with a cornering orifice for added efficiency. Each has two wrench flats for installation use.

HEX NOSE NOZZLE KIT

Short profile nozzle has 6 flats for easy install. The profile of the RNH allows for drilling back jets at a steeper angle (see drill pattern info) resulting in additional thrust. Thruster, Flusher, Monster, and HT Degreaser w/ Tip Cleaner in Case.

	1/8"	1/4"	3/8"	1/2"	3/4"	1"
ROUND NOSE KIT	\$131.00	\$140.00	\$151.00	\$174.00	\$274.00	\$325.00
HEX NOSE KIT	\$137.55	\$147.00	\$158.55	\$182.70	\$287.70	\$341.25
SUPER SEWER SQUAD	\$199.00	\$204.00	\$239.00	\$309.00	\$475.00	\$689.00
ELITE 6 PACK	\$209.95	\$229.95	\$279.95	\$349.95	\$545.95	\$774.95

YOU WILL NEED TO KNOW YOUR GPM AND PSI TO ORDER THESE NOZZLES- THEY ARE CUSTOM DRILLED

SEWER CLEANING NOZZLES

NOZZLES ARE BLACK-OXIDE COATED FOR DURABILITY AND ARE REPAIRABLE! REPLACEMENT REAR JETS AVAILABLE!

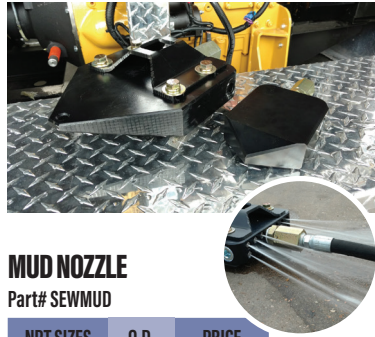


CHISEL NOZZLE

6 Replaceable Rear Jets,
4 Replaceable Front Jets

PART#	NPT SIZES	O.D.	PRICE
SEWCHIS2.3	1/2", 3/4"	2.3"	\$357.50
SEWCHIS3	3/4", 1"	3"	\$422.50

**Specify GPM and PSI when ordering*



MUD NOZZLE

Part# SEWMUD

NPT SIZES	O.D.	PRICE
3/4"	1.6"	\$586.86
1"	2.3"	\$865.43

**Specify GPM and PSI when ordering*



SEWER MASTER 4-PIECE NOZZLE KIT

This all around kit can tackle any job!

Includes:

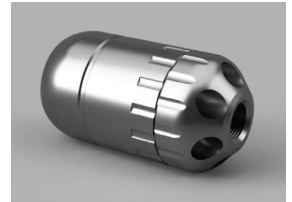
- Ripsaw Root Cutter Nozzle
- Aluminum Sand Nozzle
- Chisel Nozzle
- 10 Jet Nozzle

- Heavy Duty Carrying Case with Laser Cut Foam

Part# SEWMASTER

1/2" or 3/4" - **\$1,950.00**

**1" kits available, call for options!*



SEWERSCOUT CAMERA SYSTEM

"Why wait for your camera truck? Drop the SewerScout in and get the answer your guys need to solve the problem!"

Removable GoPro™ Action Camera: 4K Video Capable or 1080p Stabilized, Waterproof Case, Replaceable Gorilla Glass Lens, Voice Controlled.

Integrated LED Lighting w/Rechargeable Battery: 1100 lumens, tested to over 8+ hours of continuous burn time. 1" FNPT Rear port, can be bushed down to 3/4" or 1/2".

Includes:

- 102 Series Camera Body w/ integrated lighting
- Camera Pod (x2)
- GoPro™ Session 5 camera (x2)
- Fin Skid (x1)
- Charge Cables for GoPro
- Custom Storage Case
- Two 32GB SD Cards
- Storage case for SC Cards & Adapter
- Lens protectors for GoPro™ Camera
- One replacement lens set for GoPro™ Camera

Part# SEWERSCOUT

\$5,600.00

**Optional equipment:*

- Extra Camera Heads - **\$375.00**
- Extra Fin Skids - **\$255.00**
- Expandable Skid - **\$1,625.00**



10 JET NOZZLE

10 Replaceable Rear Jets
(5 @ 8" & 5 @ 17")

PART#	NPT SIZES	O.D.	PRICE
SEW10J2.3	1/2", 3/4"	2.3"	\$331.50
SEW10J3.5	3/4", 1"	3.5"	\$561.79
SEW10J-CG	Add on Cage, Nozzle Not Included		\$204.29

**Specify GPM and PSI when ordering*



RIPSAW ROOT CUTTER NOZZLE

Front Facing Ripsaw Nozzle
Creates Rotating 18" Spray Cone
6 or 8 Replaceable Rear Jets @ 30"

Part# SEWRIP

NPT SIZES	PRICE
3/4"	\$626.79
1"	\$626.79

**Specify GPM and PSI when ordering*



PUMA ROOT CUTTER MOTOR KIT

INCLUDES:

- 4 saws and 4 skids.
- (Saws: HCRS-6, 8, 10 and 12")
- (EZ Skids: STS-6, 8, 10 and 12")
- Front saw hub, RSH-1B
- Allen wrench set
- Maintenance instructions
- Toolbox

SPECS:

- 175 in/lbs. of torque
- 35gpm to 80gpm
- 1200 to 1800 psi

PART#	HOSE SIZE	PRICE
SHYK 3/4	3/4"	\$1,220.00
SHYK 1	1"	\$1,220.00



ALUMINUM SAND NOZZLE

Lightweight Aluminum
with anodized finish. 8 Replaceable Rear Jets @ 15"

PART#	NPT SIZES	O.D.	PRICE
SEWSAN2.3	3/4"	2.3"	\$311.07
SEWSAN3	1"	3"	\$403.93

**Specify GPM and PSI when ordering*



ROTATOR NOZZLES

6 Replaceable Rear Jets
4 Replaceable Rotating Rear Jets

PART#	NPT SIZES	O.D.	PRICE
SEWROT1.6	1/2"	1.6"	\$301.79
SEWROT2.3	3/4", 1"	2.3"	\$561.79

**Specify GPM and PSI when ordering*

Multi - size pipe plugs reinforced with Kevlar® have a wide application range. Each plug covers several pipe sizes. Multi - size ranges overlap for more user selectivity. For pipes from 2" to 72" dia. Plugs are flexible and bend easily around tight corners or when installing through manholes. Sava plugs feature a 3x safety factor.

PIPE PLUGS



Flow Through Pipe Plug

Blocking Pipe Plug

BLOCKING PIPE PLUGS (NO BYPASS)

PART#	SIZE RANGE	TOTAL LENGTH	WEIGHT	PSI REQ'D	PRICE
519423	1.6 - 2.8"	9"	0.84 lbs.	36 PSI	\$142.00
519424	2.8 - 6"	15"	1.6 lbs.	36 PSI	\$198.00
60417	4" - 8"	21 1/2"	3 lbs.	36 PSI	\$283.00
526850	6" - 8"	17"	5 lbs.	36 PSI	\$258.00
60418	6" - 12"	23"	6 lbs.	36 PSI	\$412.00
60419	8" - 16"	25 1/2"	8 lbs.	36 PSI	\$498.00
60599	12" - 21"	26.6"	17 lbs.	36 PSI	\$694.00
60422	14" - 24"	35"	23 lbs.	36 PSI	\$772.00
60606	15" - 30"	44"	30 lbs.	36 PSI	\$1,428.00
60425	20" - 40"	48"	47 lbs.	22 PSI	\$1,632.00
523941	24" - 48"	62"	103 lbs.	22 PSI	\$2,714.00
78959	30" - 60"	91"	193 lbs.	15 PSI	\$6,324.00
535881	32" - 72"	120"	277 lbs.	15 PSI	\$8,815.00

*oil resistant available. Call for pricing

FLOW - THROUGH BYPASS PIPE PLUGS

PART#	SIZE RANGE	TOTAL LENGTH	WEIGHT	PSI REQ'D	BYPASS SIZE	PRICE
526849	3" - 6"	15"	2 lbs.	36 PSI	1/2" FNPT	\$258.00
60429	4" - 8"	22"	10 lbs.	36 PSI	1" FNPT	\$386.00
526851	6" - 8"	19"	7 lbs.	36 PSI	1" FNPT	\$320.00
60432	6" - 12"	25"	11 lbs.	36 PSI	1" FNPT	\$495.00
60434	8" - 16"	27"	19 lbs.	36 PSI	2" FNPT	\$707.00
60630	12" - 21"	29"	31 lbs.	36 PSI	2" FNPT	\$814.00
60440	14" - 24"	36"	40 lbs.	36 PSI	2" FNPT	\$1,436.00
60632	15" - 30"	45"	50 lbs.	36 PSI	2" FNPT	\$1,698.00
510467	15" - 30"	46"	144 lbs.	36 PSI	4" FNPT	\$2,218.00
60442	20" - 40"	49"	83 lbs.	22 PSI	2" FNPT	\$2,785.00
523942	24" - 48"	62"	228 lbs.	22 PSI	4" FNPT	\$3,321.00
78960	30" - 60"	93"	290 lbs.	15 PSI	4" FNPT	\$7,089.00
535882	32" - 72"	120"	320 lbs.	15 PSI	4" FNPT	\$9,308.00

*oil resistant available. Call for pricing



MULTI - SIZE PILLOW SHAPED BLOCKING PIPE PLUGS (WITHOUT BYPASS)

FROM **\$2,612⁰⁰**



PROTECTIVE SLEEVES

Protective Sleeves add a layer of protective rubber to the pipe plug. Install on pipe plugs when premature wearing or abrasion is present or whenever longer life is required.

FROM **\$186⁰⁰**



INFLATION CONTROLLER

PART #	PRESSURE	PRICE
60310	36 PSI	\$239.00
74609	22 PSI	\$239.00
74653	15 PSI	\$239.00

RUBBER INFLATION HOSES

- Precoupled MxP interchange quick connects.
- Available in yellow, red, blue, green or black.
- Rubber hoses remain flexible from -40°F to +212°F (-40°C to 100°C).
- Nitrile rubber; resistant to oil & fuel.

*Black hose is Neoprene and approved for use in mines (MSHA approved).

PART# plughose

LENGTH	PRICE	LENGTH	PRICE
16'	\$73.00	32'	\$112.00



LIFT HOSE

Rope and hose combination keeps hoses and lift rope together.

PART #	LENGTH	PRICE
532307	16'	\$127.00
532306	32'	\$174.00



HURCO RIPCORDER SEWER LINE SMOKE TESTER

The fastest and most economical way of locating leaks in sewer systems. Smoke filled air is forced through the system, quickly revealing problem areas.

PART# SMK

DESCRIPTION	PRICE
18" w/ Briggs Engine	\$1,705.00
18" w/ Honda Engine	\$2,115.00
24" w/ Briggs Engine	\$2,525.00
24" w/ Honda Engine	\$2,930.00



HURCO POWER SMOKER 2

Efficient and cost effective, smoke testing has become a worldwide standard for finding leaks in sewer and plumbing systems. By forcing safe and clean LiquiSmoke® through sewer and plumbing systems, leaks can quickly be detected as smoke escapes through problem areas.

PART# PS2

\$1,785⁰⁰



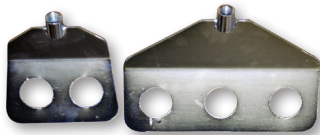
HURCO LIQUISMOKE REFILL

- Laboratory Tested Safe
- Low Odor
- Cost Effective- Cents Per Minute of Use
- Does Not Contain Zinc Chloride

PART# LS

DESCRIPTION	PRICE
1 Gallon Jug LiquiSmoke	\$60.00
Four 1 Gallon Jugs LiquiSmoke	\$190.00
One 5 Gallon Pail LiquiSmoke	\$215.00

SEWER CLEANING TOOLS



SLUDGE HOE



CURVED SLUDGE SPUD



STRAIGHT SLUDGE SPUD



SLUDGE RAKE



TANK SCRAPER

\$24⁹⁵

F ADAPTOR

POLE END TOOLS (3/4" NPT)

- Great for Agitating Septic Tanks, Scraping Catch Basins & Manholes.
- Bladed Tools designed to cut the "Mat" in Septic Tanks.
- Curved Tools makes it easy to Scrape Curved Walls of Manholes, Catch Basins, Grease Traps and Septic Tanks.

HEAVY DUTY TOOL FEATURES

- Heavy Duty 3/8" Steel, 1.5x Heavier.
- Zinc Plated Steel, greater rust resistance.
- Capped 3/4" NPT Connection with stronger welds

**Standard tool prices good while supplies last*

ITEM#	SIZE	PRICE
Sludge Hoe	9"	\$55.00
	15"	\$59.00
Straight Spud	9"	\$45.00
	15"	\$52.00
Curved Spud	9"	\$52.00
	15"	\$59.00
Tank Scraper	16"	\$56.00
Sludge Rake	12"	\$58.50



FIBERGLASS POLES FOR TOOLS Must Use F Adaptor

SIZE	PRICE	SIZE	PRICE
6 FT.	\$61.95	18 FT.	\$183.95
12 FT.	\$122.95	24 FT.	\$245.50
		F ADAPTOR	\$24.95

CATCH BASIN SEPTIC SPOONS

Prices include Fiberglass Handles.

SIZE	PRICE
6 FT - 1 pc.	\$144.00
12 FT - 2 pc.	\$199.00
18 FT - 3 pc.	\$255.00

**BREAKS DOWN
- CAN SHIP UPS**



PRONGED GRABBERS

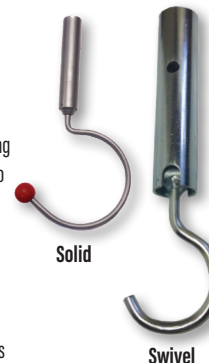
ITEM#	DESCRIPTION	PRICE
4PG-1	4 Prongs - 8" Wide	\$113.14
3PG-1	3 Prongs - 6" Wide	\$113.14



HOSE GRABBER

The Hose Grabber connects to the fiberglass poles and is great for moving the hose in the manhole. The angled ends allow the hose to easily enter the middle so you can pull and tug on the hose if stuck.

#HG-1 **\$84⁸⁶**

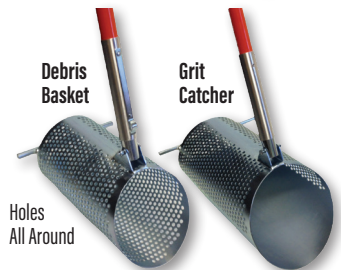


CAMERA HOOKS

Great for lowering your camera into the manhole. Strong 3/8" spring steel will not bend. Delrin hard plastic ball on the end keeps the rigging from slipping off.

#CAM-1 - Solid - **\$77¹⁴**

#CAM-1-S - Swivel - **\$107¹⁴**



Holes
All Around

Holes On
Top Half, Solid
Bottom Half

DEBRIS BASKETS & GRIT CATCHERS FOR FIBERGLASS POLES

- Connection at top connects to our fiberglass poles.
- High quality alloy zinc-plated steel for long life and corrosion resistance.

DEBRIS BASKETS

ITEM#	WIDTH	PRICE
DB-6	6"	\$205.71
DB-8	8"	\$218.57
DB-10	10"	\$235.71
DB-12	12"	\$270.00
DB-15	15"	\$312.86
DB-18	18"	\$364.29
DB-24	24"	\$492.86

GRIT CATCHERS

ITEM#	WIDTH	PRICE
DB-6S	6"	\$235.71
DB-8S	8"	\$248.57
DB-10S	10"	\$261.43
DB-12S	12"	\$300.00
DB-15S	15"	\$338.57
DB-18S	18"	\$394.29
DB-24S	24"	\$527.14

PERFECT JETTER HOSE GUIDE!

VOLUME DISCOUNTS AVAILABLE- CALL



TIGER TAIL GUIDE HOSES

Part# TIGERGUIDE

- 36" long, easy to move and guide hose!
- Hi-viz yellow makes it easy to see and retrieve if it falls in!
- Includes 20ft of 1/4" or 1/2" rope for easy retrieval.
- Also available without rope (call for price).

**WATER
JETTERS LOVE
THIS GUIDE
HOSE!**



2" w/ 1/4" Rope	\$19.00
2" w/ 1/2" Rope	\$21.50
3" w/ 1/4" Rope	\$28.00
3" w/ 1/2" Rope	\$30.50



**SHOP ONLINE 24 HOURS
A DAY 7 DAYS A WEEK**
www.varcopumper.com

DEPARTMENT DEDICATED TO SEWER CLEANING



SCOOPA SCREENS

This is a strong, durable scoop that can lift anything you can fit into it. This tool keeps the flow from spilling over that back of the scoop when you keep it in the debris flow.

PART#	WIDTH	PRICE
SCCS-6	6"	\$137.14
SCCS-8	8"	\$144.00
SCCS-10	10"	\$156.86
SCCS-12	12"	\$166.29



POLE CLAW

- Spring-loaded jaw that stays open.
- Includes 25 ft. rope to operate closing mechanism.

#POLECLAW - **\$189.45**



GREASE LOG CHOPPER

This Grease Chopper is now made with curved edges to give the operator not only the chopping ability by its sharpened end, but also the ability to push material along the invert. 6" wide.

LC-9 - **\$81.43**



Grit Catcher
Holes On Top
Half, Solid
Bottom
Half



Debris Basket
Holes All Around



DEBRIS BASKETS & GRIT CATCHERS WITH 25' ROPE

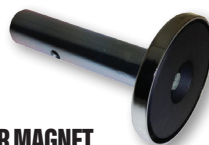
- High quality alloy zinc-plated steel for long life and corrosion resistance.
- Heavy duty 25 ft. rope.

DEBRIS BASKETS WITH 25' ROPE

PART#	WIDTH	PRICE
DBR-6	6"	\$192.86
DBR-8	8"	\$201.43
DBR-10	10"	\$214.29
DBR-12	12"	\$244.29
DBR-15	15"	\$282.86
DBR-18	18"	\$342.86
DBR-24	24"	\$454.29

DEBRIS GRIT CATCHERS WITH 25' ROPE

PART#	WIDTH	PRICE
DBR-6S	6"	\$222.86
DBR-8S	8"	\$231.43
DBR-10S	10"	\$244.29
DBR-12S	12"	\$274.29
DBR-15S	15"	\$312.86
DBR-18S	18"	\$372.86
DBR-24S	24"	\$488.57



SEWER MAGNET

Part#SMAG-1 100 lb. capacity - an overall metal retriever great tool for retrieving that lost tool. Can lift valve covers. Comes with steel protective plate to protect magnet.

\$81.43



HANDY CLAM EXTRACTION TOOL

Part# SHC The heavy-duty

construction of the Handy-Clam will give you years of service. The tension mechanism is completely enclosed within the housing unit. Mud and sand won't clog Handy-Clam due to its durable construction and the large amount of leverage that may be applied to the shovels. Available in lengths from 6' to 25'. Bucket sizes are 12" and 16".

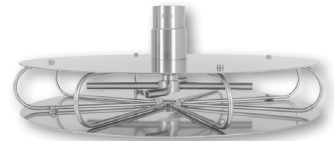
ONE PIECE, (EXPENSIVE TO SHIP OR KNOCKDOWN MODEL THAT WILL REDUCE SHIPPING COST) EXAMPLE: 18" CAN BE USED AS A 6', 12' AND 18'.

LENGTH	PRICE	LENGTH	PRICE
6'	\$210.00	16'	\$424.29
8'	\$227.14	18'	\$462.86
10'	\$282.86	20'	\$514.29
12'	\$338.57	25'	\$625.71

3 PRONGED RAKE

Part# SR3-1 3 Pronged 90° rake. Great for grabbing rods from sewer or storm drains.

\$113.14



MANHOLE CLEANER

Ideal for the restoration, cleaning and service of manholes, lift stations and other long vertical drops. Easy to use self rotating equipment made for higher flow rates. Stainless Steel protection plate included. Choose from a variety of sizes.

- With protection plate
- Optimal cleaning of vertical main
- Easy to use
- Maintenance free
- Do not use unprotected!
- Nozzles not included - MUST KNOW GPM / PSI TO ORDER CORRECT NOZZLES!
- MAX Pressure: 2500 psi
- MAX Temperature: 250°F
- Body: Stainless Steel

#MHCLEANER

1/2" FNPT INLET, 2 NOZZLES

SUB PART#	WIDTH	PRICE
43436	12"	\$677.40
16-2	16"	\$717.82
20-2	20"	\$758.25
24-2	24"	\$798.67
32-2	32"	\$839.10

1" FNPT INLET, 4 NOZZLES

SUB PART#	WIDTH	PRICE
16-4	16"	\$678.75
20-4	20"	\$713.57

specify GPM and PSI when ordering



THE RUDY TOOL #RT1

- Lifting device is designed to remove cast-iron valve box cover and lid.
- Eliminates the need for prolonged bending or getting on your hands and knees to pry the lids off.
- The scissor-style lifter removes and reinstalls the lids while standing in a safe upright position.

\$40.00

SEWER CLEANING TOOLS



PERFECT JETTER HOSE GUIDE!

VOLUME DISCOUNTS AVAILABLE- CALL



TIGER TAIL GUIDE HOSES

Part# TIGERGUIDE

36" long, easy to move and guide hose!
Hi-viz yellow makes it easy to see if it falls in!
Includes 20' of 1/4" or 1/2" rope for easy retrieval.
Also available without rope (call for price).

2" w/ 1/4" Rope	\$19.00
2" w/ 1/2" Rope	\$21.50
3" w/ 1/4" Rope	\$28.00
3" w/ 1/2" Rope	\$30.50



ALUMINUM ROLLER GRILL MANHOLE SAFETY COVER

This lightweight all aluminum manhole safety roller grill reduces the possibility to zero of falling into the manhole. Made of aluminum within an aluminum or a black nylon roller and powder coated red for high visibility. The unique design has a hand opening to allow tightening of the four support screws.

PART#	DESC.	WGHT.	PRICE
SMR-28A	Aluminum	15lbs.	\$454.00
SMR-28N	Black Nylon	11lbs.	\$445.00



ADJUSTABLE TOP MANHOLE ROLLER

This Top Manhole Roller is unique in that it has two opposing clamps that grab the manhole ring from underneath. Since the roller is adjustable you can extend the clamps and create a fixed, in place roller that won't "flip out".

Part# ADJ-1

\$244.29



DOWN MANHOLE ROLLERS

Transitions hose easily from the manhole above through the sewer pipe. Fitted with a top mounted plate, you can use our Fiberglass poles or a string 3/4" NPT connection.

ITEM#	DESCRIPTION	PRICE
729A	3/8" Steel, Compact Size	\$300.00
SHDS-1	Aluminum, ONLY 17LBS!	\$338.57

GREASE BUCKETS

Grease buckets are a great way to remove and filter out material and debris from wet wells, catch basins and lift stations and more. Grease balls, logs and paper products discharged cause pump blockages, damaged equipment and increase costs in operation and maintenance. To use it just connect it up to your fiberglass poles and lower into the pit or place near the outfall. Since it has an over-center bale it will

PART#	PRICE
GB-10	\$252.86
GB-12	\$304.29
GB-15	\$338.57

swivel in both directions. You can push it down to the bottom of the pit and scoop up material or just lower below the surface to remove floating debris. You can also tie it up and let an outfall flow through it.



VAC-TRAP DEBRIS CATCHER

The Vac-Trap allows you to keep the water in the sewer where it belongs. Just clamp on the correctly sized Vac-Trap to the end of your suction tube and lower into the invert. The sewer debris flows through it and traps the debris. You don't even have to run your PD or fan, just let the trap do its work. Once the trap is full and you see the water start to back up then simply vacuum the trap clean. And you're ready to start again. The Vac-Trap pays for itself in just a few uses. Think of the savings of not having to run your suction pump continuously, not having to de-cant or dump later on. Now you can fill your tank with 80% debris and 20% water.

• Standard: Holes All Around • w/Grit Cover: Solid Bottom

MAIN PART# VACTRAP

FLAT FLANGE			
SUB#	FIT. SIZE	TRAP DIA.	PRICE
FF66	6"	6"	\$244.29
FF68	6"	8"	\$257.14
FF610	6"	10"	\$266.57
FF612	6"	12"	\$284.57
FF86	8"	6"	\$244.29
FF88	8"	8"	\$257.14
FF810	8"	10"	\$266.57
FF812	8"	12"	\$284.57

AQUATECH			
SUB#	FIT. SIZE	TRAP DIA.	PRICE
AT66	6"	6"	\$347.14
AT68	6"	8"	\$360.86
AT610	6"	10"	\$371.14
AT612	6"	12"	\$390.00
AT86	8"	6"	\$347.14
AT88	8"	8"	\$360.86
AT810	8"	10"	\$371.14
AT812	8"	12"	\$390.00

AQUATECH W/ GRIT COVERS			
SUB#	FIT. SIZE	TRAP DIA.	PRICE
AT66S	6"	6"	\$396.86
AT68S	6"	8"	\$411.43
AT610S	6"	10"	\$422.57
AT612S	6"	12"	\$442.29

FLAT FLANGE W/ GRIT COVERS			
SUB#	FIT. SIZE	TRAP DIA.	PRICE
FF66S	6"	6"	\$288.86
FF68S	6"	8"	\$302.57
FF610S	6"	10"	\$312.00
FF612S	6"	12"	\$330.86
FF86S	8"	6"	\$288.86
FF88S	8"	8"	\$302.57
FF810S	8"	10"	\$312.00
FF812S	8"	12"	\$330.86

BANDLOCK			
SUB#	FIT. SIZE	TRAP DIA.	PRICE
BL66	6"	6"	\$279.43
BL68	6"	8"	\$293.14
BL610	6"	10"	\$303.43
BL612	6"	12"	\$322.29
BL86	8"	6"	\$279.43
BL88	8"	8"	\$293.14
BL810	8"	10"	\$303.43
BL812	8"	12"	\$322.29

BANDLOCK W/ GRIT COVERS			
SUB#	FIT. SIZE	TRAP DIA.	PRICE
BL66S	6"	6"	\$325.71
BL68S	6"	8"	\$340.29
BL610S	6"	10"	\$350.57
BL612S	6"	12"	\$371.14

PIPE INSPECTION CAMERA w/DVR & MIC

- 7" LCD Color Monitor W/DVR & MIC; USB Port
- 7/8" High Resolution Waterproof Color Camera Head
- Sapphire Glass Lens Cover • Camera Vision Angle: 90 Degrees
- 12 Bright White LED lights
- 65' / 100' / 130' 5.2mm Fiberglass Push Rod and Stainless Steel Reel
- Rechargeable Li-ion Battery Lasting 4 Hours • Aluminum Case

PART# PIC3188D

CABLE LENGTH	65'	100'	130'
PRICE	\$640.00	\$715.00	\$795.00



PORTABLE SEWER/DRAIN CAMERA WITH DVR, MIC & 512HZ SONDE

- 3/4" 150ft Cable & Layflat Stainless Steel w/Footage Counter
- 1" Waterproof All Metal Color Camera Head w/Built in 512HZ Sonde Transmitter
- 10" LCD Color Control Station w/USB & SD Recording
- Heavy Duty Waterproof Case
- Rechargeable Li-ion Battery Lasting about 3 hours
- One Year Limited Mfg. Warranty

PART# PIC3588A

CABLE LENGTH	150'
PRICE	\$2,379.00



PORTABLE SEWER/DRAIN CAMERA WITH DVR, MIC & 512HZ SONDE

- 7" LCD Color Monitor W/DVR & MIC; USB Port
- 7/8" High Resolution Waterproof Color Camera Head
- Sapphire Glass Lens Cover • Camera Vision Angle: 90 Degrees
- 65' / 100' / 130' 5.2mm Fiberglass Push Rod and Stainless Steel Reel
- Rechargeable Li-ion Battery Lasting 4 Hours
- 12 Bright White LED lights • Heavy Duty Waterproof Case
- INCLUDES 512HZ sonde transmitter!

PART# PIC3188DNT

CABLE LENGTH	65'	100'	130'
PRICE	\$809.00	\$1,025.00	\$1,105.00



512HZ SONDE TRANSMITTERS



PART#	LOC. DISTANCE	BATTERY	PRICE
TRMS512	15'	Cell	\$264.95
TL2001	35'	AAA	\$206.95

LAYFLAT SEWER / DRAIN CAMERA SYSTEMS w/SELF LEVELING HEADS

- Self Leveling Waterproof Color Camera Heads, available with or without 512hz sonde transmitter.
- Layflat design with camera case with cable reel fixed into a steady structure.
- Distance counter built into the cable reel
- USB & SD video & sound recording
- One Year Limited Mfg. Warranty
- Rechargeable Li-ion Battery
- For 2" - 6" Pipes

PIC3188XX

COMPACT
LAYFLAT
DESIGN

PIC4188XX

ITEM#	SCREEN SIZE:	CAMERA:	LENGTH:
PIC3188XX	7" LCD Color	3/4" O.D.	130 ft.
PIC4188XX	10" LCD Color	1" O.D.	200 ft.

ITEM#	NO SONDE	W/512HZ SONDE
PIC3188XX	\$1,305.00	\$1,635.00
PIC4188XX	\$2,155.00	\$2,405.00



512HZ SONDE LOCATOR

- Power Supply: 6 x AA alkaline batteries
- Static Current: <55 mA
- Sensitivity Grade: NEAR/FAR; Continuous adjustable
- Operation Mode: NORM/NOISE CONTROL. The boot preset is NOISE CONTROL.
- Signal Strength Indicator: LCD display 15 levels. The 11th level is set to "0"
- Low Voltage Prompt: 72V
- Operation Temperature: -10°C - +50°C
- Two Tones:
 - 400Hz sent out when no signal is received
 - 800Hz sent out when signal is received
- Speaker or headphone (not included)

PART# R2012

\$524⁹⁵



PORTABLE SEWER/DRAIN CAMERA WITH DVR, MIC & 512HZ SONDE

- 10" LCD Color Monitor W/DVR & MIC; USB Port
- 1.5" Self Leveling Waterproof Color Camera Head w/Built in 512HZ Sonde Transmitter
- 3", 4", 6" Camera Head Skids
- Sapphire Glass Lens Cover
- Camera Vision Angle: 90 Degrees
- 33 Bright White LED lights
- 300' / 400' 9mm Fiberglass Push Rod w/Footage Counter and Stainless Steel Reel
- Rechargeable Li-ion Battery Lasting 4 Hours
- Heavy Duty Waterproof Case

PART# PIC3288T

CABLE LENGTH	300'	400'
PRICE	\$3,995.00	\$4,275.00

S3300 PIPE LOCATOR / METAL DETECTOR

- 8" Waterproof Search Coil
- 5 Sensitivity Levels
- 4 sounds indicate different metals and depth Indication
- 3.5mm Earphone Jack; 2" speaker
- Power supply: 6 x AA batteries

PART# S3300

\$84⁹⁵



CONFINED SPACE SAFETY GEAR



GASALERT MICROCLIP XL 4-GAS DETECTOR

- Four-gas detector for surveying levels of H₂S, oxygen (O₂), carbon monoxide (CO), and combustibles in natural and industrial environments, and in other personal safety, training, research, and ambient air monitoring applications.
- Easy and comfortable to wear; thin and lightweight, ambient air monitoring applications.
- Easy operation and straightforward training with one-button simplicity.
- Easy visual compliance with flashing, green IntelliFlash.
- LCD screen shows up to four ambient gas concentrations, battery level, alarm condition, and the status of calibration, bump, and sensor self-tests.

Includes: Rechargeable Lithium Polymer Battery Pack, Charging Adaptor, Calibration / Test Cap & Hose and Manual.

Part# GAMCXL

\$575⁰⁰

GASALERT QUATTRO 4-GAS DETECTOR

- Four-gas detector for surveying levels of H₂S, oxygen (O₂), carbon monoxide (CO), and combustibles in natural and industrial environments, and in other personal safety, training, research, and ambient air monitoring applications.
- Electrochemical cell sensor monitors ambient H₂S, oxygen, and carbon monoxide levels, and catalytic bead sensor monitors ambient combustible gases continuously.
- Audio, visual, and vibration alarms alert simultaneously when ambient H₂S, oxygen, carbon monoxide, and combustible gases reach preset low, high, TWA, or STEL levels.
- LCD screen shows up to four ambient gas concentrations, battery level, alarm condition, and the status of calibration, bump, and sensor self-tests.
- Wraparound bumpers and concussion-resistant boot helps protect against damage.

Includes: Data logging, Rechargeable Lithium Polymer Battery Pack, Sensors, Calibration Cap & Tubing, Reversible Screwdriver & Manual.

Part# GAQ

AA Batteries **\$668⁰⁰** Rechargeable **\$725⁰⁰**



REPLACEMENT OXYGEN (O₂) SENSORS

Part# GA02SENSOR

\$160⁰⁰



GASALERT MAXXT II 4-GAS DETECTOR

- Four-gas detector for surveying levels of H₂S, oxygen (O₂), carbon monoxide (CO), and combustibles in natural and industrial environments, and in other personal safety, training, research, and ambient air monitoring applications.
- Electrochemical cell sensor measures H₂S and carbon monoxide levels in ppm, capillary-pore fuel cell measures oxygen in percent by volume, and catalytic bead combustible sensor measures explosive gases in - percent LEL.
- Audio, visual, and vibration alarms alert simultaneously when ambient H₂S, oxygen, carbon monoxide, and combustible gases reach preset low, high, TWA, or STEL levels.
- LCD screen shows up to four ambient gas concentrations, battery level, alarm condition, and the status of calibration, bump, and sensor self-tests.
- Integrated diaphragm pump allows for localized sampling of the atmosphere for more precise readings than those generated through diffusion.

Includes: Sensors, Motorised Pump - SmartSample, Rechargeable Lithium Polymer Battery Pack, Stainless Steel Alligator Clip, Concussion-Proof Housing, Charging Adapter, 3 Ft. Calibration Hose With Quick Connect, 10 Ft. Sampling Hose With Particulate Filter, Reversible Screwdriver, 5 Spare Pump Filters, CD & Manual.

Part# GAMXTII

\$845⁰⁰

FALL PROTECTION SYSTEM

System Includes:

- 50' Self-Retracting Lifeline With Galvanized Steel Wire Rope: Super-Strong Cast Aluminum Housing, Dual Internal Inertia Braking System, Internal Deceleration Braking System, Swivel Impact Indicating Snap Hook and a Carabiner.
- 7' Tripod: Designed to Withstand 5000 Lbs. Vertical Load, Adjustable / Locking Aluminum Legs, Safety Chain, Non-Slip Rubber Safety Shoes and Two Attachment Points on the Steel Head.
- Winch With 50 Ft. Galvanized Steel Wire Rope: Raise & Lower Capability With a Rugged Steel Frame and Drum, a Friction Brake, #45 Pulley and a Carabiner.
- Tripod Carrying Bag • Equipment Bag
- Full Body Harness: Size S - L (Larger Sizes are Available)

Part# FALLPROSYS

\$2,220⁰⁰



ALLEGRO 8" PLASTIC COM-PAX-IAL 115VAC BLOWER, DUCTING & CANISTER ASSEMBLY

This versatile system features the 8" COM-PAX-IAL blower with canister and your choice of 15' or 25' ducting. This lightweight unit is designed with the quick-connect clipping system which allows workers to attach the canister, tools-free, to the input side for powerful extraction or output side for ventilation. The 15' or 25' ducting stores conveniently within the canister. Special design features include blower and canister built-in carry handles, built-in On/Off switch and "Safety" orange coloration.

FLOW RATES:

Free Air	One 90° Bend	Two 90° Bends
831 CFM	709 CFM	586 CFM

- Polyethylene housing; Polypropylene nine blade fan
- ½ HP Motor; UL Recognized, CSA Certified, CE Certified
- Ducting: Single-ply, PVC coated vinyl and polyester materials, temperature resistant up to 180°F (82.2°C)

Part# AB-8PCPXAC

15' **\$360⁰⁰** 25' **\$385⁰⁰**



ALLEGRO 12" METAL 115VAC AIR BAG BLOWER, DUCTING & CARRY BAG ASSEMBLY

12" metal blower system with ducting built into a heavy duty polyester bag for an all-in-one unit for ease of operation. Designed with zippered ends that allow blower use without removing blower from the bag. Zipper openings allow for plug/cord inlet and outlet. Easy to carry and store. Polypropylene seven-blade fan, steel/powder coated housing and grill, carry handle with molded-in 2 speed switch.

FLOW RATE:

Free Air	1840CFM
----------	---------

- Single-Ply lightweight vinyl/polyester, PVC coated 180° F (82.2° C) temperature resistant
- ½ HP Motor; UL Recognized, CSA Certified
- Non-collapsible retractable design
- Ducting: Yellow with black wear-strip and integrated nylon attachment strap on each end

Part# AB-12MABAC

15' **\$670⁰⁰** 25' **\$770⁰⁰**



MANHOLE PROTECTION RING

- Protects camera & jetter lines, eliminates cuts & bruises to personnel going in and out of the manhole.
- Safety orange identifying the site.
- Made of ABS high quality $\frac{3}{8}$ " plastic with UV color fade built in, "non fade" material.
- Temp Range: -40° to 180°F with no deflection.

PART#	FITS SIZES	BUY 1	BUY 5+	BUY 11+	BUY 25+
MPR75	20-24"	\$294.12 ea.	\$285.71 ea.	\$267.86 ea.	\$250.00 ea.
MPR100	24-27"	\$294.12 ea.	\$285.71 ea.	\$267.86 ea.	\$250.00 ea.
MPR125	30-34"	\$323.53 ea.	\$314.29 ea.	\$295.71 ea.	\$277.14 ea.

ALLEGRO VENTURI BLOWERS

Compressed air or saturated steam is the power source for our Venturi Blower line. Small volumes of high velocity air (from the compressed air source) run through the casting and out the nozzle jets, creating a venturi or pulling action that creates large volumes of air through the Venturi and out the air diffuser.

- All models include a $\frac{1}{2}$ " crow's foot inlet connection.
- Lightweight construction; Convenient carry handles for one-person portability to any location.
- Sturdy steel galvanized steel diffuser.
- Single piece cast aluminum inlet housing
- Static ground connection attached to the inlet housing (for use in hazardous locations).



PART#	PRICE	OVERALL LENGTH	BASE DIA.	AIR CONSUMED		
				40PSI	60PSI	80PSI
ALLVENT 16	\$235.00	16.75"	7.31"	36 SCFM	50 SCFM	62 SCFM
ALLVENT 30	\$265.00	30.5"	7.31"	36 SCFM	50 SCFM	62 SCFM
ALLVENT 44	\$375.00	44.25"	11.25"	73 SCFM	98 SCFM	124 SCFM

*PLASTIC OR METAL, SAME PRICE!

RESPIRATORS, REPLACEMENT FILTERS & FIT KITS AVAILABLE! CALL FOR OPTIONS



GO-PRO SAFETY SHUTTER SYSTEM



EXTENSION TUBES FOR SAFETY SHUTTER

PART#	SIZE	PRICE
GP-42	4" x 2'	\$84.86
GP-43	4" x 3'	\$102.00
GP-62	6" x 2'	\$84.86
GP-63	6" x 3'	\$120.00

GO - PRO SAFETY SHUTTER VACUUM NOZZLE

The Go - Pro Safety Shutter Vacuum Nozzle is an innovative tested and proven solution to an everyday industrial problem. This patent (pending) product was designed with the safety of the Vacuum Machine operator in mind. The GO - PRO Safety Shutter Vacuum Nozzle puts the control solely into the hands of the individual operating the end of the hose, and is designed to instantly release vacuum with the push of a lever; instead of only relying on someone else to turn it off or pull a rope.

PART#	DESCRIPTION	PRICE
GPSS-4BL	4" Safety Shutter Suction Nozzle	\$557.14
GPSS-6BL	6" Safety Shutter Suction Nozzle	\$642.86
GP-TRI	Tri - Pod for Safety Shutter	\$128.57
GP-EXT	3' Handle Extension	\$64.29



DUCKBILL NOZZLE FOR SAFETY SHUTTER

PART#	SIZE	PRICE
GP-DB-4	4"	\$197.14
GP-DB-6	6"	\$210.00

HONEYWELL ER5000 ESCAPE BREATHING APPARATUS

The Honeywell ER5000 supplies five (EBA-5) or ten (EBA-10) minutes of emergency breathing air, giving your workers the time they need to safely escape from toxic or oxygen-deficient atmospheres.

- Comfortable loose fitting hood fits easily over eyeglasses, full beards, or hard hats. Escape apparatus does not require fit testing.
- Innovative "T" design allows the hood to sit off user's face while offering 360 degree field of vision.
- Durable and resistant to temperature extremes.
- Versatile and rugged.
- Regulator swivels 360 degrees, allowing for full range of motion and eliminating snag points.
- NIOSH approved



#EBA-5 - 5 minute cylinder - **\$595⁹⁵**

#EBA-10 - 10 minute cylinder - **\$679⁹⁵**

PROTECTIVE CLOTHING



DISPOSABLE COVERALLS

- Lightweight Polypropylene
- Breathable, zipper front
- Elastic wrists and ankles

Available in sizes S-4XL

25 sold to the case

#3502

\$28.80 case

compare at \$55.00



DISPOSABLE FOOTIES

Made of durable PosiWear. Available in Both Boot or Shoe Lengths, sized to accommodate all sizes, with elastic bands to secure them to the foot.

One size fits all. 200 to a case.

#376

\$47.95 case

compare at \$79.93



VINYL DISPOSABLE GLOVES

#MVX Ideal for handling small objects. Not for use with chemicals other than alcohols. Box of 100- Latex Free. Sizes S-XL

\$5.95 box

compare at \$6.98



3 PC. RAINSUIT

Jacket, detachable hood, and bib overalls with ankle gather snaps.

- 35mm PVC over polyester
- Resists abrasion, tears and snags
- Utmost protection
- Raglan sleeves
- Durable storm fly front
- Vented cape back

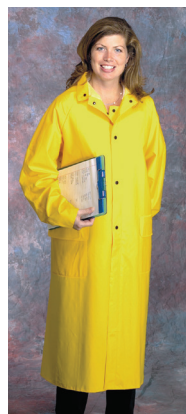
Available in sizes S-4XL

#VRC200

S-3XL **\$8.50 each**

3XL-7XL **\$9.50 each**

compare at \$12.95



RAINCOAT

- 35 mm PVC over polyester
- 3 snap, storm fly front
- 2 hip pockets
- Detachable hood
- Vented cape backs
- 1 inside and outside pocket

Available in sizes S-4XL

#VRC250

\$6.95 each

compare at \$8.95



STEEL TOE INSULATED HIP BOOT

Heavy duty bar-tread outsoles are long wearing and designed to self-clean. Cushion insole. Hand-plied rubber construction is 100% waterproof. Available in Men's Full Sizes 6-14. Order same size as work shoe or work boot.

#VRCSH33

\$53.95 pair

compare at \$61.95



#GDS10T



#GDS20T

DUST GOGGLES

ANTI-FOG Scratch Resistant Polycarbonate Lens, Flexible Nylon Frame with Indirect Ventilation, Adjustable Elastic Strap, Provides 99.9% UV Protection. Meets ANSI Z87.1+ Standards.

#GDS10T - **\$3.75 each**

#GDS20T - **\$3.95 each**



#NX95

#NX95V



#NX952

#NX95V2

N95 PARTICULATE RESPIRATORS

NIOSH Approved, Two Latex-Free Straps, Adjustable Aluminum Nose Piece, Polyethylene Nose Pad, assigned Protection Factor: APF 10. 12 BOXES PER CASE.

PART#	DESCRIPTION	PRICE
NX95	Standard (Box of 20)	\$9.95
NX95V	Standard, Valved (Box of 10)	\$8.25
NX952	Contoured (Box of 20)	\$8.95
NX95V2	Contoured, Valved (Box of 10)	\$7.50



STEEL TOE KNEE BOOT

100% waterproof, heavy-duty. Durable outsole for all-terrain traction with a steel toe for utmost safety. Full-length, fiberglass shank for a lighter weight has max. arch support. Boot may not be as pictured - ask customer service for details. #6845

\$19.95 pair

compare at \$61.95



SLUSH BOOT

17" High with a black coated strap and buckle. Extra wide to easily slip over a shoe or workboot. Available in Sizes 6-16. Add one size to your Work shoe or boot when ordering.

#VRCIS17Y

\$18.75 pair



FIRST AID KITS - ANSI/OHSA APPROVED

ANSI First Aid Kit. Meets ANSI Z308.1-2015 requirements to assist in compliance with OSHA standards.

PLASTIC CASE		
PART#	CLASS	PRICE
FAK CLA-P	A	\$20.36
FAK CLB-P	B	\$49.93
METAL CASE		
FAK CLA-M	A	\$34.64
FAK CLB-M	B	\$67.64



CATALYST™ SAFETY GLASSES

Scratch-Resistant Polycarbonate Lens, Shiny Black Nylon Frame, Dual Wrap-Around Lens, Bayonet Temple Design, TPR Nose Piece & Temples, Meets ANSI Z87.1+ Standards, Provides 99.9% UV Protection

PART#	DESC.	PRICE
EOB10ST	Clear, Anti-Fog	\$4.00
EOB20ST	Gray, Anti-Fog	\$4.10
EOB30S	Amber/ Yellow Tint	\$3.55
EOB90S	Orange Tint	\$4.10



HARD HATS

Molded from high density polyethylene, feature a short peak and trim profile with a 4-point woven nylon suspension. Easy Quick-Slide sizing adjusts from head sizes 6 1/2"-8.

#HC95

*full brim style available

9 COLORS AVAILABLE



STANDARD
\$625 each

RATCHET STYLE
\$775 each



#CSN100

COLDSNAP™ COOLING HARD HAT PAD

- Water Activated Fabric.
- Soak in Water and Attach to Your Helmet Suspension for hours of Cooling Relief!
- Machine Washable

Hard Hat Pad
#CHHP100

\$300 ea.

Hard Hat Pad
w/Neck Shield
#CNS100

\$490 ea.



E15 PLASTIC VISOR CARRIER

- Fits into helmet accessory slots.
- Carrier has adjustable tension for raising shield when not in use.

• 10 per box.
#E15CARRIER

\$635 each



4000 STEEL MESH VISOR SCREEN

- Steel Mesh Face Screen provides protection from debris. Plastic frame.
- 6.75" x 16" x .0111" Meets ANSI Z87-S 1992 requirements.
- Epoxy coated for glare and corrosion resistance. Fits E15, E18, E19, E21, and 5000 carriers.

#VISOR-STEELMESH

\$495 each

COVERALLS WITH HOOD, ELASTIC WRISTS & ANKLES

- Latex Free Elastic Wrist and Ankles keeps dirt & debris out.
- ANSI Sized for a wide range of motion.
- Elastic waistband for improved fit.



M-XL	2XL	3XL	4XL	5XL
#C3806	Posiwear M3 (5 layers)			
\$118.95	\$118.95	\$118.95	\$118.95	\$118.95
#3606	PosiWear BA: Breathable Advantage			
\$86.15	\$90.77	\$95.38	\$100.00	\$104.62
#3706	PosiWear UB: Ultimate Barrier			
\$108.85	\$115.00	\$121.15	\$133.46	\$148.85

COVERALLS WITH ELASTIC WRISTS & ANKLES

- Latex Free Elastic Wrist & Ankles keeps dirt and debris out.
- ANSI Sized for a wide range of motion.
- Elastic waistband for improved fit.



M-XL	2XL	3XL	4XL	5XL
#C3802	Posiwear M3 (5 layers)			
\$73.46	\$78.08	\$82.69	\$87.31	\$91.92
#3602	PosiWear BA: Breathable Advantage			
\$83.08	\$87.69	\$92.31	\$96.92	\$101.54
#3702	PosiWear UB: Ultimate Barrier			
\$96.32	\$104.95	\$110.95	\$119.85	\$134.56

POSIWEAR SELF-EXTINGUISHING COVERALL

PosiWear Self-Extinguishing is designed for use in applications where sparks are presents. Created as a secondary garment that is highly oil repellent for protection OVER your valuable suit.

- Meets NFPA 701 specifications for Self- Extinguishing.
- Posi Self-Extinguishing has the highest oil repellancy test results than any other competitor.
- Anti-stat and ANSI Sized
- Elastic waistband for improved fit, Latex Free

Case of 25



PART#	DESCRIPTION	M-XL	2XL	3XL	4XL	5XL
3100	Basic Coverall	\$145.19	\$152.59	\$160.00	\$171.85	\$186.67
3106	Coverall w/Hood	\$151.11	\$158.52	\$165.93	\$177.78	\$192.59
3109	w/Hood & Boot Covers	\$157.04	\$164.44	\$171.85	\$183.70	\$198.52

CLEAR POLYCARBONATE VISOR FACESHIELD

- Size 7.75" x 15.5" - 0.040 thick.
- Fits E13, E14, E15, E16, E16R, E17, E18, E19, E20, and E21 carriers.
- 20 per case.

#VISOR-POLYC

\$325 each





ANSI CLASS 3 HI-VIS RAIN SUIT

ANSI Certified reflective tape increases visibility during day or night, while durable poly oxford/PU fabric repels water and keeps you dry on the job. Black colorblocking prevents staining while hiding dirt and grime.

- Safety yellow Class 3 hi-viz rain jacket and bibs.
- All seams sewn and taped for water resistance.
- Hook and loop closures on the storm flap of the jacket.
- Hidden phone pocket on chest under storm flap.
- Black fabric on bottom hem of both jacket and bibs help garments look better longer.

Sizes M - 3XL

#4530 - **\$47¹⁵**

PVC COATED ORANGE SNOW KNIT WRIST GLOVES

#10070R PVC Coated glove keeps hands dry and warm jersey lining helps keep them warm. Perfect when working in wet and cold conditions. Knit wrist helps keep heat in and cold out.

One size - L

\$38⁰⁰ dozen



BREEZELIGHT™ II CLASS 2 T-SHIRT

- 100% performance polyester comfortable cool mesh.
- High Performance material. High quality premium shirt.
- Permachill permanent wicking.
- TDS antimicrobial finish.
- Fabric certified to 75 washes.
- Made in USA.
- Custom imprinting available.

Sizes: M - 4XL

PART#	COLOR	M - XL	XXL	3XL	4XL
LHV-XTS	HV Green	\$24.84	\$27.44	\$29.16	\$31.64
HV-XTS	HV Orange	\$24.84	\$27.44	\$29.16	\$31.64



CLASS 3 WEATHER PROOF BOMBER JACKET WITH QUILTED LINER

- 2" Silver Reflective Tape.
- Multi-Color PU Coated Weather Proof 300D Oxford Polyester Shell.
- Concealed Detachable Hood, Elastic Waistband & Cuffs.
- 3D Flap Covered Cell Phone / Radio Chest Pocket.
- Mic Tabs on Both Shoulders.

Sizes: M - 5XL

#SJ12-3ZMS-M - **\$59¹⁵**



HI-VIZ EARMUFF

- Reflective material on headband provides visibility at night.
- Hi-Viz ear cups provide visibility during the daytime.
- Padded, moisture wicking headband moves moisture away from your head.
- Soft, foam filled ear cushions provides a comfortable seal.
- NRR 29 dB

#TROHVG-BX Green
#TROHVO-BX Orange

YOUR CHOICE
\$16⁹³ pair



ANSI CLASS 3 HEAVY DUTY RIP STOP WATERPROOF RAIN JACKET

- 300D PU Coated Rip Stop Oxford Hi-Viz Polyester Material.
- Waterproof per ANSU 107, 75.3 (AATCC 127 2008).
- Breathable per ANSI 107, 76 (ASTME96-05).
- 3M® 8906 2" Silver Reflective Tape.
- Cape Vented Front & Back Cap with D-Ring Pass Through.
- Adjustable Elastic Sleeve Cuffs with Hook & Loop Closure, Detachable Hood.
- Mic Tabs on Both Shoulders.
- Zipper Front Closure with Snap Closure Storm Flap.
- 2 Lower Front Pockets, Flap Covered Chest Pocket, Chest Pocket, Fleece Lined Inside Pocket.

Sizes: M - 5XL

#RW32-3ZIY - **\$84⁵⁰**

HI-VIS HEAVY DUTY RIP STOP WATERPROOF & BREATHABLE PANTS w/BIB

- 300 Denier PU Coated Rip Stop Oxford Hi-Viz Polyester Material
- Waterproof per ANSU 107, 75.3 (AATCC 127 2008)
- Breathable per ANSI 107, 76 (ASTME96-05)
- 3M® 8906 2" Silver Reflective Tape
- Internal Pocket for Optional Knee Pad (Sold Separately)
- Hook & Loop Closure over Zipper Fly
- Adjustable and Removable Suspender Straps
- Knee High Leg Zipper with Adjustable Cuffs
- Side Cargo Pocket, Double Stitched Seams

Sizes: M - 5XL

#RW32-EZIY
\$62⁴⁴

Optional knee pad:
#RW32-KP
\$12⁵³





CUT LEVEL
A2

KEVLAR WORK GLOVE

- 13 gauge Kevlar Lycra shell for cut resistance.
- Black foam nitrile palm coating provides protection from abrasion in wet or dry conditions.
- Tested to EN 388 standards for Abrasion Resistance, Blade Cut, Tear, and Puncture (4 3 4 2).
- ANSI Cut Level 2, EN388 Cut Level 3.

#RWG537 - Sizes: S - XXL

\$68⁹¹ DOZEN



CUT LEVEL
A5

SANDY FOAM NITRILE PALM GLOVE

- 13 gauge salt and pepper High Performance Polyethylene (HPPE) provides cut resistance.
- High visibility red sandy foam nitrile palm coating provides protection from abrasion in wet or dry conditions.
- TPR overlays provide added impact protection. (Patent # 9,241,519)
- ANSI Cut Level A5, EN388 Cut Level 5.

#RWG603 - Sizes: S - XXL

\$118¹ PAIR



CUT LEVEL
A4

COLD WEATHER COATED GLOVE

- 2 ply, 13 gauge blue and white High Performance Polyethylene (HPPE) provides cut resistance.
- 7 gauge acrylic terry liner provides warmth.
- Black foam nitrile palm coating provides protection from abrasion in wet or dry conditions.
- High visibility TPR overlays provide added impact protection. (Patent # 9,241,519)
- ANSI Cut Level A4, EN388 Cut Level 5.

#RWG604 - Sizes: S - XXL

\$14¹⁷ PAIR



HEAVY WOVEN TWO TONE ENGINEER VEST

- Heavy Duty Zipper Closure
- 7 Pockets - Dual Mic Tabs
- 3M® 8712 Silver 2" Glass Bead Reflective Tape
- 1" Contrasting Trim Detail - Reflective Trim Edging
- Materials: Front - 300D woven polyester / Back - Polyester Mesh
- Meets ANSI/ISEA 107-2015 Standards.

Sizes: M - 5XL

PART#	CLASS	COLOR	PRICE
SV55-26	2	LIME GREEN	\$44.03
SV55-20	2	ORANGE	\$44.03
SV55-36	3	LIME GREEN	\$50.33
SV55-30	3	ORANGE	\$50.33

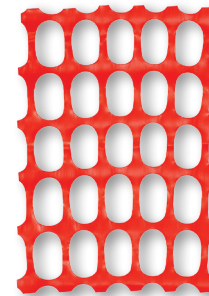


CLASS 3 LONG SLEEVE HOODED SWEATSHIRT

- Black elastic knit waistband and cuffs.
- Polyester fleece material.
- Full front zipper closure.
- Mesh lined hood with adjustable pull cords.
- Available in hi-viz orange and green.
- 2" silver reflective tape.
- Lower pouch pocket.

Sizes: M - 5XL

PART#	DESCRIPTION	PRICE
SJ02-3PGS	HV Green Pullover	\$31.43
SJ01-3ZGS	HV Green Full Zip	\$34.30
SJ01-3ZOS	HV Orange Full Zip	\$34.30



ORANGE POLYPROPYLENE SAFETY FENCING

- Oval Pattern
- Chemical & UV Resistant
- Remains Flexible in Cold Weather

Roll Size: 4 x 100', 11 lbs.

#SF1201

ONLY \$28.10 roll!



BARRICADE TAPE

Available from 1.5 Mil - 4 Mil Thickness. High Strength, Non-Toxic, Non-Flammable, UV Resistant Ink, Remains Flexible in Cold Weather. 3" Width, 1000' Per Roll, 12 rolls/case

STARTING AT \$49.63 case of 12 rolls

**Call for options*



COLLAPSIBLE SAFETY CONES

- Rugged black rubber base, 8 lb. weight.
- Water resistant solid nylon material in hi-viz orange for added visibility.
- 6" upper and 4" lower cone collars made of Reflexive prismatic sealed surface retro reflective material.
- Storage bag with zipper top and convenient carry straps. holds 5 collapsible cones.
- Heavy duty vinyl case with handle and carrying strap system

CC5B - 5 pack with storage bag

\$185⁰⁰

CC1 - Single Cone

\$38⁹⁰

PROTECTIVE & WORK GLOVES



NITRILE FULL DIP GLOVE

#715SNFFB Great glove for material handling, general maintenance and working around machinery. Nitrile coating, antibacterial and machine washable. Sizes S-XXL

\$26.95 dozen
that's only \$2.25/pair*



LEATHER PALM SAFETY CUFF

Excellent abrasion resistance. Gunn pattern. Wing thumb, full leather index finger, fingertips and knuckle strap with an elasticized cotton back. Soft palm lining.

#8840 **\$25.71 doz.** only \$2.14/pair*

DOUBLE PALM GLOVES

#8880 **\$29.95 doz.** only \$2.43/pair*



RUBBER CRINKLE FINISH SAFETY CUFF



#885 Cotton jersey gloves coated with a soft latex rubber finished with a "crinkle" pattern to create a suction like grip.

\$32.79 dozen
that's only \$2.73/pair*



ORANGE PVC DOTTED PALM

#1JP5504 Fluorescent Orange PVC dotted palm increases visibility and safety with good grip and longer wear. Clute cut design with continuous thumb and knit wrist. Size L

\$10.86 dozen
that's only 91¢/pair*



GRAY PALM COATED NITRILE GLOVE

#713SNF Nitrile coating, great for material handling, general and machinery maintenance work. Machine washable.

Sizes XS-XXL

\$13.95 dozen
that's only \$1.16/pair*



PVC COATED ORANGE SNOW KNIT WRIST GLOVES

#10070R PVC Coated glove keeps hands dry and the warm jersey lining helps keep them warm. Perfect when working in wet and cold conditions. Knit wrist helps keep heat in and cold out.

One size - L

\$38.00 dozen
that's only \$3.17/pair*



BI-POLYMER PALM DIPPED GLOVES

#715SBP This palm coated glove features bi-polymer with extra dots included for enhanced grip and protection when material handling and general maintenance. Machine washable. Sizes S-XL

\$30.95 dozen
that's only \$2.58/pair*



GRAY FOAM PALM COATED NITRILE GLOVE

#715SNFLW With a nitrile coating, this glove is great for material handling, general maintenance and working around machinery. Gray palm coated, they are machine washable. Sizes XS-2XL

\$28.50 dozen
that's only \$2.38/pair*



FLEXI PRO

#1SR7420 Kevlar® string knit shell provides superior protection from cuts and abrasions. Textured latex coated palm and fingers offer the ultimate grip even in wet conditions. Uncoated back for breathability and comfort. Flexible knit wrist locks out dirt and debris so hands stay clean. Sizes S-XL

\$77.21 dozen
that's only \$5.71/pair*



LATEX CRINKLE FINISH KNIT CUFF

#1SR8426 Textured latex coated palm provides excellent protection against cuts and punctures while offering a non-slip grip. Ideal for precision work and small parts handling. Uncoated back allows air to circulate keeping hands cool and comfortable. Ergonomic precurved design minimizes hand fatigue. Lightweight shell for breathability. Sizes S-XL

\$18.95 dozen
that's only \$1.58/pair*

BROWN JERSEY RED FLEECE LINING

#755 These gloves have an insulated lining to keep your hands warm.

\$15.95 dozen
that's only \$1.33/pair*



BROWN JERSEY KNIT WRIST

#09BJ Lightweight, durable, 100% cotton provides protection without sacrificing dexterity. Clute cut pattern for comfortable wear. Knit wrist cuff keeps debris out.

\$7.07 dozen
that's only 59¢/pair*

YELLOW FABRIC BACK SAFETY CUFF

#500Y Heavy yellow canvas back and a rubberized safety cuff.

\$36.51 dozen
that's only \$2.25/pair*



*Per pair price for comparative purposes only. Most gloves sold by the dozen pairs. See logos next to the glove for how they are sold,



SMOOTH GRIP

ROUGH GRIP



SANDY GRIP



ROCK CHIP GRIP

BLACK PVC GLOVES

- 12" long, flexible and lightweight.
- Cotton Jersey Lining to keep your hands cool and dry
- Blend of PVC compounds for maximum resistance to mild chemicals, oils and solvents.

DESCRIPTION	PART#	DOZEN PRICE	CASE PRICE/10 DZ
Smooth Grip	6212	\$17.29 doz.	\$14.70 doz.
Rough Grip	912BR	\$18.50 doz.	\$15.70 doz.
Sandy Grip	932G	\$21.95 doz.	\$18.70 doz.
Rock Chip Grip	D8630XR12	\$31.95 doz.	\$27.10 doz.

STRING KNIT WITH BLUE RUBBER

#K56 Blue PVC dipped cotton/polyester knit wrist. Latex coated palm improves the grip and helps to prolong the life of the glove.

\$10.95 dozen
that's only 91¢/pair*



STRING KNIT WITH PVC DOTS

#708SK Similar to our white cotton canvas knit wrist gloves, but pvc dots give you added gripping power, slip resistance and durability.

\$6.95 dozen
that's only 58¢/pair*



JERSEY LINED PVC SANDY GRIP



Blend of PVC compounds for maximum resistance to mild chemicals, oils, solvents and strong acids. Double dipped sandy finish. Flexible, lightweight and Actifresh treated with COLD WEATHER JERSEY LINING.

MAKES A GREAT WINTER GLOVE!

#D68430J-12 **\$23.75 dozen**
12" GAUNTLET that's only \$1.98/pair*

#D68430J-14 **\$26.95 dozen**
14" GAUNTLET that's only \$2.25/pair*



KEVLAR® WITH NITRILE PALM DIP

- 100% Kevlar®-fire proof and cut proof
- Nitrile coated palm and fingertips
- Color-coded hem BY SIZE
- **SOLD BY THE PAIR OR DOZEN**

\$5.25 pair \$60.00 dozen
that's only \$5.00/pair*



100% NITRILE GLOVES- LINED

Excellent protection for handling most agricultural chemicals, solvents, acids and caustics. Resists snags, punctures, abrasions or cuts better than other glove materials. Non-slip grip with an ergonomic shape for fit and comfort. 13" - 15ml

\$13.95 dozen
that's only \$1.16/pair*



NITRILE DISPOSABLE GLOVES

#V914 Industrial grade, lightly powdered or powder free. Sizes S-XXL

PART#	THICK-NESS	GLOVES/BOX	PRICE
V900	4 MIL	100	\$9.00
V900PF	4 MIL	100	\$9.00
V908	8 MIL	50	\$7.45
V914	14 MIL	50	\$11.15



NITRILE COATED CUT & SEWN

#550 Leather feel with the durability, flexibility and abrasion resistance of nitrile-coated fabric. Straight thumb, cleft cut. Launderable.

\$14.95 dozen
that's only \$1.25/pair*



HIGH VISIBILITY PVC

#1SP5712 Fully coated high visibility orange PVC gloves provided added safety and awareness. Jersey lined for comfort and moisture absorption. Sandy palm provides good grip on wet and dry surfaces. PVC stays flexible even at lower temperatures. 12" gauntlet cuff provides extended protection. Size L

\$42.75 dozen
that's only \$3.56/pair*



PVC COATED KNIT WRIST

#6100 Chemical-resistant 10" glove has a fully coated knit wrist, is liquid-proof and has a smooth finish.

\$14.64 dozen
that's only \$1.22/pair*



VINYL DISPOSABLE

#MVX Ideal for handling small objects. Not for use with chemicals other than alcohols. Box of 90- Latex Free. Sizes S-XL

\$5.95 box compare at \$6.98

**FAST SHIPPING
LOW PRICES**

*Per pair price for comparative purposes only. Most gloves sold by the dozen pairs. See logos next to the glove for how they are sold,

FR & SELF-EXTINGUISHING WORKWEAR



FOREFRONT FR QUARTER ZIP SWEATSHIRT

7oz. FireZero® FR Fabric, 90% Pima Cotton/10% Nylon, Twill Weave, Pointed Flap Pockets with Buttons, Pencil Pocket on Left Chest Pocket, Aramid High Tenacity FR Thread, Thermally Protected Metal Components.

Sizes: S-5XL

PART#	COLOR	PRICE
FZ400BK	Black	\$72.06



UTILISAFE™ FR T-SHIRT

- The most comfortable FR fabric in the market.
- Meets ASTM F1506; HRC Level 2 per NFPA 70E.
- Fabric arc rating of 10.0 cal/cm (per ASTM F2621)
- 3M 8735 FR Reflective Striping.
- ANSI/ISEA 107-2010, Class 2 or Class 3.
- 61% Modacrylic, 32% Cotton, 7% Poly.

Sizes: M - 4XL

PART#	DESCRIPTION	STARTING AT
LHV-FR-TS	CLASS 2 SHORT SLEEVE	\$64.27
LHV-FR-LS	CLASS 2 LONG SLEEVE	\$76.97



CLASS 2 SELF-EXTINGUISHING SAFETY VESTS

Self-Extinguishing (NFPA 701), Type R, Class 2 Safety Vest, ANSI/ISEA 107-2015, Polyester Mesh, Hook & Loop Closure, 2-Inch Reflective Tape, Pockets: One Outside Chest with 3-Division Pen Pocket, One Outside Lower, One Inside Lower, Mic Tab

Sizes: S-5XL

#V230PFR (ORANGE)

#V231PFR (LIME)

**YOUR CHOICE
\$765**



CLASS 3 SELF-EXTINGUISHING SAFETY VESTS

Type R, Class 3 Safety Vest, ANSI/ISEA 107-2015, Orange Polyester Mesh Fabric, Zipper Closure, 2-Inch Reflective Tape on 4.5-Inch Contrasting Background Tape, Pockets: Two Inside Lower, Two Outside Chest, Two Outside Lower, All Pockets Include Hook & Loop Closures

Sizes: S-5XL

#V3200 (ORANGE)

#V3201 (LIME)

**YOUR CHOICE
\$1295**

FLAME RESISTANT OUTLAW ARC™ PREMIUM GRAIN DRIVER GLOVES

#8228ARC ANSI Cut Level A4,

Arc Flash/HRC 4! Aramid/Synthetic

Fiber Machine Knit Shell, Aramid Stitching, Shirred Elastic Back, Keystone Thumb, Leather Self-Hem, ANSI Cut Level A4: 1972 grams, Arc Flash/HRC 4: ATPV 53 cal/cm2



SIZES	PRICE PER DZ.
S - L	\$169.35
XL - XXL	\$178.50
3XL	\$185.00



FOREFRONT™ FR BALACLAVA

#FZ350NV 6.5 oz. FireZero® FR Interlock Fabric, 100% Cotton, Aramid High Tenacity FR Thread

One Size Fits All

\$1730



FOREFRONT™ FR COVERALLS

7 oz. FireZero® FR Fabric, Two-Way Brass Zipper on Aramid Tape, Storm Guard Zipper Flap with Snaps, Side Elasticized Waist, Separate Wrist Cuffs with Snaps, Ankle Snaps, Two Chest Pockets with Flaps & Buttons, Pencil Line on Left Chest Pocket, Two Waist Patch Pockets with Side Access, Two Rear Hip Patch Pockets, Pen Pocket on Left Sleeve, Tool Pocket on Right Leg, Aramid High Tenacity FR Thread, Thermally Protected Metal Components, Chest Sizes: 36-64

#FZ100NV - Navy #FZ100KH - Khaki

#FZ110GY - Grey (vented back and underarms)

**YOUR CHOICE
\$9286**

FOREFRONT FR WORKSHIRT

7oz. FireZero® FR Fabric, 90% Pima Cotton/10% Nylon,

Twill Weave, Pointed Flap Pockets with Buttons, Pencil Pocket on Left Chest Pocket, Aramid High Tenacity FR Thread, Thermally Protected Metal Components.

Sizes: S-5XL

PART#	COLOR	PRICE
FZ200KH	Khaki	\$39.71
FZ200LB	Light Blue	\$39.71
FZ210KH	Khaki, with vented back!	\$54.41



STORMFRONT-FR™ FLAME RESISTANT 3 PIECE RAIN SUIT

#R9023FR Yellow, .35 mm. PVC/Polyester Fabric, Detachable Hood with Drawstring, Storm Fly Front with Zipper & Snap Buttons, Bib-Style Pants with Suspenders & Snap Fly, Certification/

Rating:

Flame Resistant

(ASTM D6413)

SIZE	PRICE
S-XXL	\$14.15
3XL-5XL	\$15.35
6XL-7XL	\$17.25

**FULL PROTECTION
UP TO 40,000PSI /
2800BAR FROM
A 0° NOZZLE!**



**MADE IN
USA**

**FULL PROTECTION
UP TO 40,000PSI /
2800BAR FROM
A 0° NOZZLE!**



**MADE IN
USA**

TURTLESKIN® WATERARMOR COVERALL

- Designed specifically to prevent injuries caused by accidental swipes from the extreme cutting power of Ultra High Pressure Water jetting equipment.
 - Protection is within a super tough 500 denier Cordura nylon suit, comprising jacket and bibbed trousers.
 - Designed to be taken on and off easily and quickly.
 - Added reflective tape on the arms and legs for increased visibility.
 - Jacket and bibbed trousers can be replaced if damaged, reducing the lifetime cost of protection.
- CE Certified PPE. TurtleSkin Waterarmor personal protection equipment has been CE type approved by Centexbel, Montoyerstraat 24, B-1000 Brussels, Belgium (notified body 0493) according to the directive 89/686/EEC. Certificate number: 00101317. We confirm that each product is identical to the item subject to the type approval.

PART# WAC

Complete Suit	Complete Jacket	Jacket (no neck or arms)
\$2,108⁶⁵	\$1,129⁹⁹	\$731³²
Neck Attachment	Arm Inserts (Pair)	Pants
\$261⁹⁹	\$171⁹⁹	\$979⁹⁹

TURTLESKIN® WATERARMOR COOL GEAR

- Designed specifically to prevent injuries caused by accidental swipes from the extreme cutting power of Ultra High Water Pressure.
- A rugged outer layer also provides chemical resistance and is easy to clean for low maintenance.
- Custom PPE system as component panels can be purchased and replaced individually. Chaps, Gaiters, Upper Torso and Arm Protection panels are all sold separately.
- Patented fabric system flexes with the body.
- Extensive protection to the front of the operator.
- Open back allows for increased circulation to keep the user cool and comfortable.
- Independent panels allow for greater flexibility and ease of use.
- Adjustable straps and panels make this protective suit suitable for all sizes and heights.
- Cushioned knee pads protect knees from UHP waterjet streams and reduce the discomfort from kneeling on hard surfaces.

CE Certified PPE, TurtleSkin Waterarmor personal protection equipment has been CE type approved by Centexbel, Montoyerstraat 24, B-1000 Brussels, Belgium (notified body 0493) according to the directive 89/686/EEC. Certificate number: 00101317. We confirm that each product is identical to the item subject to the type approval.

PART# WACC

Suit (Torso & Chaps)	Gaiters (Boot Covers)	Torso Only
\$1,611⁹⁹	\$644⁶⁵	\$861⁹⁹
Chaps Only	Gauntlets (Pair)	
\$968⁶⁵	\$311³²	



PROTECTION LEVEL 5/5/2
 ROTOR 500 bar/7500 psi
 FLAT 500 bar/7500 psi
 SINGLE 200 bar/3000 psi
 CE 89/686/EEC



TST® PRO-OPERATOR PROTECTIVE WEAR

- Protection levels of up to 7500psi
- Made from breathable and comfortable Dyneema® the world's strongest fiber (15 times stronger than steel on a weight for weight basis).
- Water and dirt repellant outside. Lined for high comfort.
- Jackets and Overalls have zippered ventilation in the armpit, waterproof cuffs, and adjustable hood.
- Available in Grey or Class-3 reflective Hi Viz Orange.

Part# PRO-OP

STYLE	GREY	HI VIZ ORANGE
Coveralls	\$1,275.00	\$1,465.00
Jacket	\$850.00	\$930.00
Pants	\$840.00	\$945.00
Apron	\$460.00	-
Safety Vest	-	\$505.00
STYLE	PRICE	
Gloves	\$165.00	
Boots	\$325.00	



**SHOP ONLINE 24 HOURS
A DAY 7 DAYS A WEEK**
www.varcopumper.com

HDD DRILL PARTS

More drill bits, swivels, pipe and available!



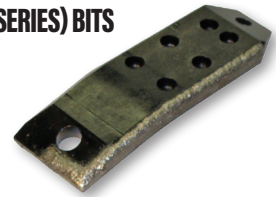
ROUGHNECK RIPPER (SR SERIES) BITS (PULL BACK HOLE STD.)

Tapered design with V-shaped tungsten carbide segments on leading edges. A great all around bit that can handle the demanding applications such as rock and will outlast most other bits in the widest of ground conditions. Includes Tungsten Carbide Embedded Hardfacing. **For Sedimentary Rock, Hardpan, Dry Clay & Compacted Soil**



CARBIDE MESH HARDFACED CHISEL (CH SERIES) BITS (PULL BACK HOLE STD.)

Square nose design with premium tungsten mesh carbide hardfacing makes this bit perfect for sandy or softer soils, as well as medium conditions. A high performing, long lasting and economical bit that steers extremely well. Includes Tungsten Carbide Embedded Hardfacing. **For Sand & Sandy Loam**



DITCH WITCH

PART#	HOLE PATTERN	WIDTH	THICKNESS	PRICE
UT-04-P3-25-SR	3-Hole Ditch Witch — 12 MM	2.5"	1/2"	\$145.00
UT-04-P3-30-SR	3-Hole Ditch Witch — 12 MM	3.0"	1/2"	\$150.00
UT-04-P3-35-SR	3-Hole Ditch Witch — 12 MM	3.5"	1/2"	\$160.00
UT-06-P5-40-SR	5-Hole Ditch Witch — 12 MM	4.0"	3/4"	\$225.00
UT-06-P5-45-SR	5-Hole Ditch Witch — 12 MM	4.5"	3/4"	\$245.00
UT-06-P5-50-SR	5-Hole Ditch Witch — 12 MM	5.0"	3/4"	\$275.00
UT-06-P6-45-SR	6-Hole Ditch Witch — 16 MM	4.5"	3/4"	\$248.00
UT-06-P6-50-SR	6-Hole Ditch Witch — 16 MM	5.0"	3/4"	\$275.00
UT-06-P6-60-SR	6-Hole Ditch Witch — 16 MM	6.0"	3/4"	\$295.00
UT-08-P6A-50-SR	6-Hole Ditch Witch — 20 MM	5.0"	1.0"	\$310.00
UT-08-P6A-60-SR	6-Hole Ditch Witch — 20 MM	6.0"	1.0"	\$345.00

VERMEER

UT-06-P7-40-SR	7-Hole Vermeer — 1/2" x 13	4.0"	3/4"	\$260.00
UT-06-P7-50-SR	7-Hole Vermeer — 1/2" x 13	5.0"	3/4"	\$295.00
UT-06-P7-60-SR	7-Hole Vermeer — 1/2" x 13	6.0"	3/4"	\$315.00
UT-08-P7-50-SR	7-Hole Vermeer — 1/2" x 13	5.0"	1.0"	\$305.00
UT-08-P7-60-SR	7-Hole Vermeer — 1/2" x 13	6.0"	1.0"	\$325.00
UT-08-P8-50-SR	7-Hole Vermeer — 5/8" x 11	5.0"	1.0"	\$350.00
UT-08-P8-60-SR	7-Hole Vermeer — 5/8" x 11	6.0"	1.0"	\$375.00
UT-08-P8-80-SR	7-Hole Vermeer — 5/8" x 11	8.0"	1.0"	\$475.00

WELD-ON BACKREAMER TEETH

We use only the finest grades of carbide which are specifically developed

to provide optimum performance in HDD applications. Our carbides are designed to withstand high impact while displacing shock loads and delivering superior wear resistance. When brazed to our forged alloy steel bodies you have the toughest, longest lasting carbide teeth on the market.



PART#	DESCRIPTION	PRICE
UTSC1250	Weld-On Scorpion Tooth 1.250" Tall X 1.000" Long X .555" Wide Carbide	\$5.27
UTSC1500	Weld-On Scorpion Tooth 1.500" Tall X 1.435" Long X .750" Wide Carbide	\$10.00
UTSC2164	Weld-On Scorpion Tooth 2.170" Tall X 2.360" Long X .750" Wide Carbide	\$10.81
UTC1260 - 90	Weld-On Backreamer Carbide Bit 1.063" Dia. X 1.260" Tall	\$12.45
UTC1340 - 01	Weld-On Backreamer Carbide Bit .770" Dia. X .840 Tall	\$6.08

DITCH WITCH

PART#	HOLE PATTERN	WIDTH	THICKNESS	PRICE
UT-04-P3-25-CH	3-Hole Ditch Witch — 12 MM	2.5"	1/2"	\$80.00
UT-04-P3-30-CH	3-Hole Ditch Witch — 12 MM	3.0"	1/2"	\$85.00
UT-04-P3-35-CH	3-Hole Ditch Witch — 12 MM	3.5"	1/2"	\$90.00
UT-06-P5-35-CH	5-Hole Ditch Witch — 12 MM	3.5"	3/4"	\$98.00
UT-06-P5-40-CH	5-Hole Ditch Witch — 12 MM	4.0"	3/4"	\$103.00
UT-06-P5-45-CH	5-Hole Ditch Witch — 12 MM	4.5"	3/4"	\$108.00
UT-06-P5-50-CH	5-Hole Ditch Witch — 12 MM	5.0"	3/4"	\$120.00
UT-06-P6-40-CH	6-Hole Ditch Witch — 16 MM	4.0"	3/4"	\$112.00
UT-06-P6-45-CH	6-Hole Ditch Witch — 16 MM	4.5"	3/4"	\$130.00
UT-06-P6-50-CH	6-Hole Ditch Witch — 16 MM	5.0"	3/4"	\$140.00
UT-06-P6-60-CH	6-Hole Ditch Witch — 16 MM	6.0"	3/4"	\$155.00
UT-08-P6A-50-CH	6-Hole Ditch Witch — 20 MM	5.0"	1.0"	\$205.00
UT-08-P6A-60-CH	6-Hole Ditch Witch — 20 MM	6.0"	1.0"	\$225.00

VERMEER

UT-04-P2-25-CH	5-Hole Vermeer — 3/8" x 16	2.5"	1/2"	\$75.00
UT-04-P2-30-CH	5-Hole Vermeer — 3/8" x 16	3.0"	1/2"	\$80.00
UT-04-P2-35-CH	5-Hole Vermeer — 3/8" x 16	3.5"	1/2"	\$85.00
UT-04-P2-40-CH	5-Hole Vermeer — 3/8" x 16	4.0"	1/2"	\$90.00
UT-06-P7-35-CH	7-Hole Vermeer — 1/2" x 13	3.5"	3/4"	\$102.00
UT-06-P7-40-CH	7-Hole Vermeer — 1/2" x 13	4.0"	3/4"	\$108.00
UT-06-P7-45-CH	7-Hole Vermeer — 1/2" x 13	4.5"	3/4"	\$128.00
UT-06-P7-50-CH	7-Hole Vermeer — 1/2" x 13	5.0"	3/4"	\$150.00
UT-06-P7-60-CH	7-Hole Vermeer — 1/2" x 13	6.0"	3/4"	\$165.00
UT-08-P7-40-CH	7-Hole Vermeer — 1/2" x 13	4.0"	1.0"	\$150.00
UT-08-P7-45-CH	7-Hole Vermeer — 1/2" x 13	4.5"	1.0"	\$160.00
UT-08-P7-50-CH	7-Hole Vermeer — 1/2" x 13	5.0"	1.0"	\$170.00
UT-08-P7-60-CH	7-Hole Vermeer — 1/2" x 13	6.0"	1.0"	\$190.00
UT-08-P8-50-CH	7-Hole Vermeer — 5/8" x 11	5.0"	1.0"	\$169.00
UT-08-P8-60-CH	7-Hole Vermeer — 5/8" x 11	6.0"	1.0"	\$189.00

TUNGSTEN CARBIDE INSERT (TCI) TRICONE PILOT BITS

For Rock



PART#	DIA.	THREAD SPEC (STD.)	PRICE
UTTC1512N527	5 1/2"	2 1/8" API REG	\$1,883.08
UTTC16NF521	6"	2 1/8" API REG	\$2,010.99
UTTC1612N527	6 1/2"	3 1/2" API REG	\$2,136.75

RADIUS BUTTON (RB SERIES) BITS (PULL BACK HOLE STD.)

Radial design with press fit and brazed conical carbides make this bit excellent for loams, clays, all medium soil conditions up to and including rocky and soft rock formations.

For Rocky & Abrasive Soil.



BUTTON TAPER (TB SERIES) BITS (PULL BACK HOLE STD.)

Tapered design with press fit and brazed dome and cone profile carbides make this a great all around bit that works well in a wide variety of ground conditions; including hard and rocky soils.

For Hard, Rocky Soil



DITCH WITCH				
PART#	HOLE PATTERN	WIDTH	THICKNESS	PRICE
UT-06-P5-35-RB	5-Hole Ditch Witch — 12 MM	3.5"	3/4"	\$195.00
UT-06-P5-40-RB	5-Hole Ditch Witch — 12 MM	4.0"	3/4"	\$212.00
UT-06-P5-45-RB	5-Hole Ditch Witch — 12 MM	4.5"	3/4"	\$221.00
UT-06-P5-50-RB	5-Hole Ditch Witch — 12 MM	5.0"	3/4"	\$230.00
UT-06-P6-40-RB	6-Hole Ditch Witch — 16 MM	4.0"	3/4"	\$225.00
UT-06-P6-45-RB	6-Hole Ditch Witch — 16 MM	4.5"	3/4"	\$240.00
UT-06-P6-50-RB	6-Hole Ditch Witch — 16 MM	5.0"	3/4"	\$250.00
UT-06-P6-60-RB	6-Hole Ditch Witch — 16 MM	6.0"	3/4"	\$270.00

VERMEER				
UT-04-P2-40-RB	5-Hole Vermeer — 3/8" x 16	4.0"	1/2"	\$170.00
UT-06-P7-35-RB	7-Hole Vermeer — 1/2" x 13	3.5"	3/4"	\$195.00
UT-06-P7-40-RB	7-Hole Vermeer — 1/2" x 13	4.0"	3/4"	\$225.00
UT-06-P7-45-RB	7-Hole Vermeer — 1/2" x 13	4.5"	3/4"	\$235.00
UT-06-P7-50-RB	7-Hole Vermeer — 1/2" x 13	5.0"	3/4"	\$245.00
UT-06-P7-60-RB	7-Hole Vermeer — 1/2" x 13	6.0"	3/4"	\$265.00
UT-08-P7-50-RB	7-Hole Vermeer — 1/2" x 13	5.0"	1.0"	\$295.00
UT-08-P7-60-RB	7-Hole Vermeer — 1/2" x 13	6.0"	1.0"	\$325.00
UT-08-P8-50-RB	7-Hole Vermeer — 5/8" x 11	5.0"	1.0"	\$325.00
UT-08-P8-60-RB	7-Hole Vermeer — 5/8" x 11	6.0"	1.0"	\$335.00

DITCH WITCH				
PART#	HOLE PATTERN	WIDTH	THICKNESS	MSRP
UT-06-P5-35-TB	5-Hole Ditch Witch — 12 MM	3.5"	3/4"	\$209.00
UT-06-P5-40-TB	5-Hole Ditch Witch — 12 MM	4.0"	3/4"	\$218.00
UT-06-P5-45-TB	5-Hole Ditch Witch — 12 MM	4.5"	3/4"	\$229.00
UT-06-P5-50-TB	5-Hole Ditch Witch — 12 MM	5.0"	3/4"	\$245.00
UT-06-P6-40-TB	6-Hole Ditch Witch — 16 MM	4.0"	3/4"	\$228.00
UT-06-P6-45-TB	6-Hole Ditch Witch — 16 MM	4.5"	3/4"	\$238.00
UT-06-P6-50-TB	6-Hole Ditch Witch — 16 MM	5.0"	3/4"	\$260.00
UT-06-P6-60-TB	6-Hole Ditch Witch — 16 MM	6.0"	3/4"	\$285.00

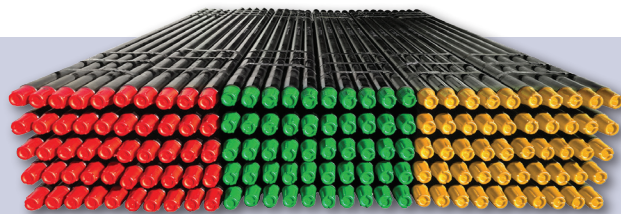
VERMEER				
UT-06-P7-35-TB	7-Hole Vermeer — 1/2" x 13	3.5"	3/4"	\$220.00
UT-06-P7-40-TB	7-Hole Vermeer — 1/2" x 13	4.0"	3/4"	\$238.00
UT-06-P7-45-TB	7-Hole Vermeer — 1/2" x 13	4.5"	3/4"	\$248.00
UT-06-P7-50-TB	7-Hole Vermeer — 1/2" x 13	5.0"	3/4"	\$265.00
UT-08-P8-60-TB	7-Hole Vermeer — 5/8" x 11	6.0"	1"	\$309.00
UT-08-P8-70-TB	7-Hole Vermeer — 5/8" x 11	7.0"	1"	\$360.00



MILL TOOTH TRICONE PILOT BITS

For Rock

PART#	DIA.	THREAD SPEC (STD.)	PRICE
UTMT512N117	5 1/2"	2 7/8" API REG	\$1,503.17
UTMT600N117	6"	3 1/2" API REG	\$1,851.81



DRILL PIPE AVAILABLE
STARTING AT
\$150.00 rod



PILOT BIT APPLICATION CHART

We offer a complete line of pilot bits for virtually any ground condition you will ever encounter while drilling. Call for more options!

BIT TYPE	SOIL CLASS							
	SANDY	SOFT	MEDIUM	HARD	ROCKY	SOFT ROCK	MED. ROCK	HARD ROCK
RB Series	3	2	1	2	3	4	5	5
TB Series	4	2	1	1	2	4	5	5
SR Series	3	2	1	1	3	3	5	5
CH Series	1	1	2	3	4	5	5	5
Tricone Mill Tooth	5	5	5	3	5	1	1	3
Tricone TCI	5	5	5	4	5	2	1	1

1 = Best; 2 = Good; 3 = Average; 4 = Less Recommended; 5 = Not Recommended

"GOLD SERIES" HDD PULLBACK SWIVELS

Several unique design features of our clevis x clevis swivels combine to make them the strongest on the market. Four bearings and a larger shaft constructed from tool steel provide added strength you won't find with competitors swivels. Full diameter shouldered pins, recessed into the smooth and durable outer casing creates a tremendously strong connection and also allows for snag free pullbacks. These swivels also have side - mounted, recessed grease fittings which protects the fittings and also makes for easy access when performing swivel maintenance.



PART#	DESCRIPTION	PRICE
UT1500	Pullback Swivel — 8,500 lb. WL	\$345.00
UT1800	Pullback Swivel — 10,000 lb. WL	\$495.00
UT2250	Pullback Swivel — 16,000 lb. WL	\$625.00
UT3000	Pullback Swivel — 32,000 lb. WL	\$950.00

BLACK STEEL & POLY PIPE FITTINGS



GALVANIZED IRON, 304 STAINLESS, 316 STAINLESS, BRASS, ETC.! ALL MATERIAL PIPE FITTINGS AVAILABLE!

SCREENED NIPPLES

Ideal in the use of fresh water and clean ups. Prevents stones and other large debris from entering the tank and Frack pumps. A bleeder valve port is located mid body for easier evacuation of product if plugged.



SIZE	PRICE	SIZE	PRICE	SIZE	PRICE
4" x 6"	\$59.95	4" x 8"	\$65.00	4" x 12"	\$95.00



BLACK STEEL PIPE 90° ELBOW

FNPT X FNPT

ITEM#	SIZE	PRICE
#65108	2"	\$5.10
#65109	2 1/2"	\$11.00
#65110	3"	\$16.40
#65112	4"	\$34.80



BLACK STEEL PIPE CLOSE NIPPLES

ITEM#	SIZE	PRICE
#57160	2"	\$1.77
#57200	3"	\$5.45
#57220	4"	\$8.20
#57300	6"	\$24.90



BLACK PIPE COUPLER

FNPT X FNPT

ITEM#	SIZE	PRICE
#65418	2"	\$3.95
#65420	3"	\$15.15
#65421	4"	\$30.23
#65422	6"	\$81.12



POLY TEE FNPT

#TT12P 1 1/2"	#TT200P 2"	#TT300P 3"
\$5.05	\$6.10	\$27.15



WELDABLE ELBOW

2" **\$19⁹⁵**
3" **\$24⁵⁵**
4" **\$39⁸⁵**



LONG POLY NIPPLE

#NIP200-4 2" x 4"	#NIP200-6 2" x 6"	#NIP300-6 3" x 6"
\$4.49	\$5.24	\$12.92



WELDABLE NIPPLE

2" **\$13⁷⁵**
3" **\$17³⁵**
4" **\$22²⁵**

POLY REDUCER COUPLER

FNPT X FNPT



#RC200-150 2" x 1 1/2"	#RC300-200 3" x 2"
\$5.45	\$18.99



BLACK STEEL PIPE 45° ELBOW

FNPT X FNPT

ITEM#	SIZE	PRICE
#65188	2"	\$5.40
#65190	3"	\$19.99
#65191	4"	\$40.13



BLACK STEEL BELL REDUCERS

FNPT X FNPT

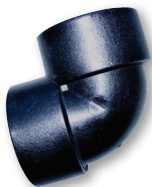
ITEM#	SIZE	PRICE
#65454	2" x 1 1/2"	\$3.88
#65462	2" x 2 1/2"	\$9.91
#65456	3" x 2"	\$12.25
#65463	3" x 2 1/2"	\$15.46
#65457	4" x 3"	\$29.50



BLACK PIPE BUSHING

MNPT x FNPT

ITEM#	SIZE	PRICE
#65531	2" x 1 1/2"	\$2.40
#65534	2 1/2" x 1 1/2"	\$3.95
#65535	2 1/2" x 2"	\$3.95
#65538	3" x 2"	\$5.75
#65541	4" x 2"	\$11.27
#65543	4" x 3"	\$10.76



POLY 90° ELBOW, FXF

#ELF100P 1"	#ELF12P 1 1/2"	#ELF200P 2"
\$2.34	\$4.59	\$5.44



WELDABLE HOSE SHANK

2" **\$5⁹⁵**
3" **\$7⁰⁵**
4" **\$9⁸⁵**



BLACK STEEL PIPE NIPPLES

ITEM#	SIZE	PRICE
3" LONG		
#57162	2"	\$2.23
#57201	3"	\$7.05
4" LONG		
#57164	2"	\$2.60
#57203	3"	\$7.00
#57223	4"	\$9.45
6" LONG		
#57207	3"	\$8.47
#57227	4"	\$11.55



BLACK PIPE TEES

FNPT X FNPT X FNPT

ITEM#	SIZE	PRICE
#65255	1"	\$2.15
#65258	2"	\$7.30
#65260	3"	\$22.50
#65261	4"	\$55.40



SIGHT- STRAINER ASSEMBLY

See flow and debris being collected at the same time! Female to Male quick connects, clear sight tube and funnel strainer, in an ALL-IN-ONE assembly! Not rated for use with petroleum or refined fuels.

3" **\$94⁹⁵**
4" **\$129⁹⁵**



2" POLY 45° STREET ELBOW

#62911 2" FNPT X 2" MNPT

\$6⁶¹

**HABLAMOS
ESPAÑOL**

FULL LINE DISTRIBUTOR FOR ALL TORNADO HYDROVACS PARTS


SRV-0089

SRV-1325

SRV-0469

ELC-1018

ELC-1421

SRV-5009

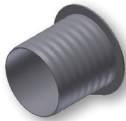
SRV-1914

HVAC-2606

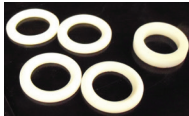
ELECTRONICS

PART#	DESCRIPTION	PRICE
SRV-0089	0-9 dial	\$388.46
SRV-1325	Remote	\$814.91
SRV-0469	Remote Cover	\$53.39
ELC-1018	Water Blast Thermostat	\$166.73
ELC-1421	Safe to Shift Sensor	\$193.07
SRV-1914	Industrial Grade Pure Inverter	\$969.29
SRV-5009	Thermostat for P&P Boiler	\$326.59
HVAC-2606	Coil Assembly for Danfoss Valve Bank	\$204.24

BOOM HOSE BARB FITTINGS



PART#	DESCRIPTION	PRICE
HVAC-1312	6" Hose Barb	\$180.44
SRV-1305	8" Hose Barb	\$193.20


SRV-0550

HVAC-0826

HVAC-0228

1093-0003

SRV-1369

SRV-0268

SEALS / GASKETS

PART#	DESCRIPTION	PRICE
SRV-0550	Van Body Door Hinge	\$16.13
SRV-1369	Namco 174-C Air Shifter Seal Kit	\$113.79
HVAC-0826	Float Arm Packing Kit	\$11.17
SRV-0268	Turret Deflector	\$683.49
SRV-0060	Blower Filter	\$446.86
HVAC-0228	Dump Door Seal	\$5.54/ft
1093-0003	3" Sight Glass For Water Tank	\$13.49

HOSE REEL SWIVEL & PRESSURE HOSE FITTINGS


SRV-0800

SRV-2283

PART#	DESCRIPTION	PRICE
SRV-2283	Hose Reel Superswivel	\$101.63
SRV-0800	Female Water Connector	\$99.37
SRV-0801	Male Water Connector	\$25.66


SRV-5030

SRV-5031

SRV-0641

HVAC-0661

WATER PUMP REBUILD KITS

PART#	DESCRIPTION	PRICE
SRV-5030	Seal Kit for Pratissoli Water Pump	\$191.34
SRV-5031	Valve Kit for Pratissoli Water Pump	\$312.60
HVAC-0661	Seal Kit for Cat 3560 Water Pump	\$287.17
SRV-0641	Valve Kit for Cat 3560 Water Pump	\$761.47


HVAC-5635

SRV-1391

TURBO NOZZLES

PART#	DESCRIPTION	PRICE
HVAC-5635	Tornado Turbo Nozzle, 9 GPM	\$150.90
SRV-1391	Tornado Nozzle Rebuild Kit, 9 GPM	\$48.17

TUBE PROTECTORS

PART#	DESCRIPTION	PRICE
HVAC-5118	6" Dig Tube Protector	\$93.41
HVAC-5119	8" Dig Tube Protector	\$120.10



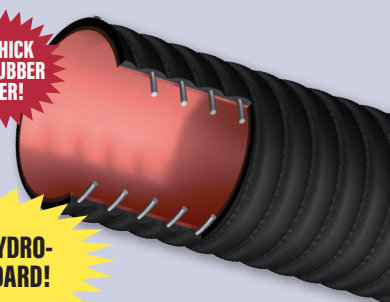
T714HA INDUSTRIAL VACUUM MATERIAL HANDLING HOSE

- Corrugated black conductive SBR/NR blend cover for Abrasion and ozone-resistance.
- Service Temp: -40° F (-40° C) to +212° F (+100° C) - 150PSI WORKING PRESSURE.
- Popular hose for vacuum truck industry where a rugged and durable hose product is needed.
- Special lightweight corrugated construction for maximum flexibility.

	PRICE PER FT.		STD. LENGTHS	BEND RAD.	WALL THK.
6"	\$24.25	6"	100'	24"	0.520"
8"	\$45.60	8"	35', 50', 100'	32"	0.500"

**1/4" THICK
RED RUBBER
LINER!**

**TORNADO HYDRO-
VACS STANDARD!**



TELESCOPIC MIRRORS & CORETAKERS



Safely Inspect Septic Tanks, Manholes and Other Confined Spaces!

- Durable, Lightweight, 1/8" Thick Acrylic Mirrors Resist Scratching & Breaking.
- Aluminum & Fiberglass Telescopic Poles Available From 1'-3' up to 8'-24'.
- Smooth Knuckle Fitting Provides Mirror with Full 180° Swivel Capability.
- Three Standard Size Interchangeable Mirrors. Smallest Mirror Fits Inside a 4" Pipe. Custom Sizes Available.
- Optional Protective Mirror Storage Pouches Keep Mirrors Safe When Not In Use.
- Optional Right-Angle 4AA Flashlight Securely Mounts on Extension Pole. Provides up to 10,000 Candlepower.
- New Convex Mirrors Now Available (Add \$5).

Optional Mirror Pouch

Lights Optional

EXTENDAVUE™ STANDARD ALUMINUM POLES

- Quality, Lightweight Anodized Aluminum Construction.
- Quick, Easy Twist-Lok Mechanism Locks Pole at Intermediate Lengths.

2' - 4' ALUMINUM

ITEM#	MIRROR	PRICE
IM04	4"Wx6"H	\$66.00
IM04	6"Wx6"H	\$68.00
IM04	10"Wx8"H	\$70.00

3' - 6' ALUMINUM

ITEM#	MIRROR	PRICE
IM06	4"Wx6"H	\$69.00
IM06	6"Wx6"H	\$71.00
IM06	10"Wx8"H	\$73.00

4' - 8' ALUMINUM

ITEM#	MIRROR	PRICE
IM08	4"Wx6"H	\$72.00
IM08	6"Wx6"H	\$74.00
IM08	10"Wx8"H	\$76.00

EXTENDAVUE™ STANDARD FIBERGLASS POLES

- All Composite Fiberglass Construction, High Visibility Yellow.
- Proven Chuck and Collet Device Locks Pole at Intermediate Lengths.

2' - 4' FIBERGLASS

ITEM#	MIRROR	PRICE
IMF04	4"Wx6"H	\$74.00
IMF04	6"Wx6"H	\$76.00
IMF04	10"Wx8"H	\$78.00

3' - 6' FIBERGLASS

ITEM#	MIRROR	PRICE
IMF06	4"Wx6"H	\$77.00
IMF06	6"Wx6"H	\$79.00
IMF06	10"Wx8"H	\$81.00

4' - 8' FIBERGLASS

ITEM#	MIRROR	PRICE
IMF08	4"Wx6"H	\$80.00
IMF08	6"Wx6"H	\$82.00
IMF08	10"Wx8"H	\$84.00

EXTENDAVUE™ HEAVY DUTY 3-SECTION POLES

- Heavy-Duty Three Section Poles Available up to 24' Long.
- Heavy-Duty Chuck and Collet Devices Locks Pole at Intermediate Lengths.
- Composite Fiberglass Handle Section, Fluted for Easy Grip with Anodized Aluminum Tube Extension Sections.

Lights Optional

4' - 12' HEAVY-DUTY

ITEM#	MIRROR	PRICE
IM12	4"Wx6"H	\$93.00
IM12	6"Wx6"H	\$95.00
IM12	10"Wx8"H	\$97.00

6' - 18' HEAVY-DUTY

ITEM#	MIRROR	PRICE
IM18	4"Wx6"H	\$115.00
IM18	6"Wx6"H	\$117.00
IM18	10"Wx8"H	\$119.00

8' - 24' HEAVY-DUTY

ITEM#	MIRROR	PRICE
IM24	4"Wx6"H	\$135.00
IM24	6"Wx6"H	\$137.00
IM24	10"Wx8"H	\$139.00



REPLACEMENT MIRRORS

- Rugged 1/8" Thick Acrylic Construction.
- Includes "Knuckle" Attachment.
- Any Mirror Fits on Any Pole.

ITEM#	MIRROR	PRICE
IMR	4"Wx6"H	\$28.00
IMR	6"Wx6"H	\$30.00
IMR	10"Wx8"H	\$32.00



MIRROR POUCHES

- Store Mirrors to Avoid Damage.
- Rugged Vinyl Outer Case with Soft Felt Lining and Velcro Snaps.

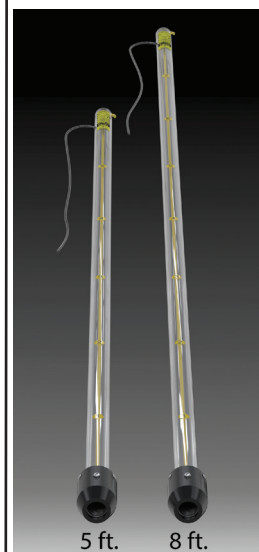
ITEM#	MIRROR	PRICE
IMP	4"Wx6"H	\$12.25
IMP	6"Wx6"H	\$14.25
IMP	10"Wx8"H	\$15.25



LITTLE ED™ LIGHT KIT

- Mounts on the Extension Pole.
- Right Angle Head with Photo-Luminescent Shroud.
- 1W LED.
- Up to 10,000 Candlepower.
- 4AA Batteries Included.

ITEM#	DESC.	PRICE
IM-LED	1 W LED	\$91.07



CORETAKER® MAX SEPTIC SAMPLER

by Raven has the exclusive Link Release Mega Valve™ for heavy sludge. The valve is opened and closed from the top of the unit for maximum uptake and clean release back into the tank. Shepherd's hook keeps the valve open for easy cleaning from the top.

CORE MAX 5 FT

\$96⁸⁵ each

CORE MAX 8 FT

\$108⁰⁵ each

CORETAKER® MUNICIPAL SAMPLER

CORETAKER® is the first sludge sampler to float. Hard plastic handle makes it easy to grip. Unbreakable clear polycarbonate tube with UHMW check valve.

CORE 8 FT

\$79²⁵ each

CORE 16 FT

\$108⁰⁵ each

NEW CORE 16 FT

\$152¹⁵ each



COMPARE TO
SLUDGE JUDGE

AIRSPADE 2000

Utilizing the power of compressed air, AirSpade 2000 uncovers underground objects, utility lines, or even sensitive tree roots without harm. Featuring the high performance, patented supersonic nozzle, AirSpade 2000 digs faster and more efficiently than competitive tools. Rugged, lightweight construction. Dead-man trigger ensures safe operation. Non-conductive, fiberglass barrel provides degree of protection from buried electrical lines.

- Compressed air requirements: 25 - 225 cfm @ 90 psi.
- Ergonomic, pistol-grip style handle with soft rubber grip
- Comfortable, dead-man trigger
- Air pressure gauge
- Lightweight, fiberglass barrel with adjustable dirt shield
- Extra-hardened, stainless steel supersonic nozzle
- Inlet: ¾" NPT (Male)
- Chicago-style connector

**specify CFM when ordering!*

PART#	CFM	BARREL LENGTH	PRICE
HT140	25	4'	\$1,319.43
HT144	60	2'	\$1,224.86
HT134	60	4'	\$1,319.43
HT139	105	4'	\$1,319.43
HT116	150	3'	\$1,319.43
HT130	150	4'	\$1,319.43

AIRSPADE 3000

AirSpade 3000 is the most powerful air excavation tool available on the market today. Featuring the patented supersonic nozzle, the rugged, heavy-duty AirSpade 3000 is the tool of choice to move maximum dirt in the minimum amount of time. Dead man trigger ensures safe operation. Non-conductive, fiberglass extension provides degree of protection from buried electrical lines.

- Compressed air requirements: 330 cfm @ 90 psi.
- In-line style handle with soft rubber grip
- Dead-man trigger
- Non-conductive 5 ft fiberglass barrel
- Adjustable dirt shield
- Extra-hardened, stainless steel 330 cfm supersonic nozzle
- Inlet: 1¼" NPT (Male)
- 1" Air-King 4-Lug Connector

PART#	CFM	PRICE
LT3000	330	\$2,698.34

AIRSPADE 4000

Setting a new standard for air excavation tools, the Utility AirSpade 4000 Series harnesses the power of compressed air to safely uncover underground utility lines without harm. AirSpade's high-performance, patented supersonic nozzle generates a laser-like jet that moves at twice the speed of sound for faster, more effective digging. With non-sparking nickel aluminum bronze blend nozzle, brass components, electrically insulated 4 ft barrel rated to 300kV, and a lightweight, ergonomic handle, the Utility AirSpade 4000 maximizes jobsite safety while minimizing operator fatigue. Aluminum handle features full size grip opening to accommodate linesman's gloves. Dead-man trigger ensures safe operation and trigger guard prevents accidental activation. Retractable stabilizer bar provides superior operator control. Integral pressure gauge ensures optimal digging performance.

- Rugged, ergonomic handle with plastic-coated grip
- Retractable stabilizer bar and integral air-pressure gauge
- Dead-man trigger with trigger guard
- Insulated, 4' fiberglass barrel rated up to 300kV
- Non-sparking brass barrel sleeves and threaded connectors
- Adjustable, rubber spray shield
- Non-sparking, nickel aluminum bronze blend supersonic nozzle
- Inlet: ¾" NPT
- Chicago-style swivel connector
- *105 and 150 cfm available

PART#	CFM	PRICE
ASU4105G4	105	\$1,495.77
ASU4150G4	150	\$1,495.77

AIRSPADE 2000 TRENCH RESCUE KIT

- AirSpade 2000 handle with Chicago style connector
- 4' barrel with adjustable dirt shield
- 45° angled adaptor
- 60 AND 150 CFM supersonic nozzle
- 1"ID x 10' lightweight air hose with Chicago style connectors
- Heavy-duty locking storage case

PART# HT108

\$2,363⁰⁸



AIRSPADE 2000 CONSTRUCTION KIT

- AirSpade 2000 handle with Chicago style connectors
- 4' barrel with dirt shield
- 3' extension & coupler
- 45° angled adapter
- 105, 150 or 225 CFM supersonic nozzle
- 1"ID x 10' lightweight air hose with Chicago style connectors
- Heavy duty locking storage case

PART#	CFM	PRICE
HT114	105	\$2,287.37
HT106	150	\$2,287.37
HT102	225	\$2,395.52



UTILITY AIRSPADE 4000 KIT

- Utility AirSpade handle assembly with Chicago-style, swivel connector
- 4' insulated barrel with dirt shield
- 3' insulated extension and non-sparking brass coupler
- 45° non-sparking brass angled adapter
- 105 or 150 CFM non-sparking nickel aluminum bronze blend nozzle
- 1"ID x 10' lightweight air hose with Chicago-style connectors
- Heavy duty locking storage case

PART#	CFM	PRICE
ASU4105KT	105	\$2,567.05
ASU4150KT	150	\$2,567.05

DOMESTIC AIR TOOL HOSE, w/CHICAGO FITTINGS

CARED34X50UH 250 PSI.

The EPDM tube and cover handles heat, ozone and weather cracking better than other compounds. 50' lengths with crimped steel fittings. ¾" x 50'

\$39⁹⁵



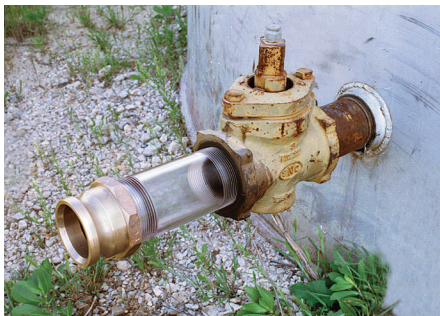


BETTS VALVES

A practical way of accommodating a speedy opening and closing valve where high pressure is not required. These valves come with stainless steel gates for a tight seal.

TTMA (TANK TRUCK FLANGE)		
PART#	DESCRIPTION	PRICE
SV903MSM	3" TTMA Flange x Flange	\$209.95
SV904MSM	4" TTMA Flange x Flange	\$221.00
SV906MSM	6" TTMA Flange x Flange	\$529.00
SV913MSM	3" TTMA Flange x MNPT	\$209.95
SV914MSM	4" TTMA Flange x MNPT	\$239.00
SV916MSM	6" TTMA Flange x MNPT	\$555.00

150# ANSI FLANGE		
PART#	DESCRIPTION	PRICE
SV964MSM	4" ANSI Flange x MNPT	\$285.95
SV966MSM	6" ANSI Flange x MNPT	\$685.95



PETOL SIGHT GLASS

See what is flowing through heat-treaters, separators and storage tank drain lines. Clear view nipple is made from a tough, shatter-resistant polycarbonate with > 30 times the impact resistance of safety glass. Withstands prolonged exposure to UV rays and temps. ranging from -150° to 165°F. Not rated for use with petroleum or refined fuels.

ITEM#	SIZE	PRICE
#SG0500	2" x 8"	\$50.95
#SG0500-3	3" x 8"	\$68.95
#SG0500-4	4" x 8"	\$98.50

NICKEL PLATED DISC		
ITEM#	SIZE	PRICE
2025-0000	3"	\$28.45
2026-0000	4"	\$42.05
2028-0000	6"	\$64.68
2029-0000	8"	\$69.00

NYLON COATED DISC		
ITEM#	SIZE	PRICE
2025-0001	3"	\$34.59
2026-0001	4"	\$50.28
2028-0001	6"	\$73.47
2029-0001	8"	\$95.00

BUTTERFLY VALVES

This valve has a short neck with grease zert. Nickel plated or nylon coated disc available.



BUTTERFLY VALVE FLANGES (150# ANSI)

THREADED		
ITEM#	DESCRIPTION	PRICE
2025-0002	3" 150# Raised Face Female Thread	\$21.00
2025-0003	3" 150# Raised Face Slip-On	\$21.00
2025-0005	3" Light Weight Female	\$25.50
2026-0002	4" 150# Raised Face Female Thread	\$25.25
2026-0003	4" 150# Raised Face Slip-On	\$25.25
2026-0005	4" Light Weight Female	\$27.95
2028-0002	6" 150# Raised Face Female Thread	\$32.15
2028-0003	6" 150# Raised Face Slip-On	\$32.15
2028-0005	6" Light Weight Female	\$35.75

WELDED		
ITEM#	DESCRIPTION	PRICE
2025-0004	3" Light Weight	\$18.25
2026-0004	4" Light Weight	\$25.25
2028-0004	6" Light Weight	\$33.50

GASKET, FULL FACE WITH BOLT HOLES		
2025-GA-NBR	3" Nitrile Rubber	\$1.95
2026-GA-NBR	4" Nitrile Rubber	\$3.75
2028-GA-NBR	6" Nitrile Rubber	\$7.55
2029-GA-NBR	8" Nitrile Rubber	\$9.65
2025-GA-TEF	3" Teflon Envelope	\$9.45
2026-GA-TEF	4" Teflon Envelope	\$13.25
2028-GA-TEF	6" Teflon Envelope	\$16.65
2029-GA-TEF	8" Teflon Envelope	\$20.75

Limited Rebuild Parts Available



BRASS LEVER VALVE

Our Brass lever valve is made of solid brass and has a quick opening lever. Full port allows for easy flow. Female NPT threaded.

	2"	3"	4"	6"
RIV	\$49.65	\$80.95	\$120.65	\$217.25
MZ	\$55.15	\$89.85	\$134.15	\$241.45

BRASS LEVER VALVE COMBO

Brass Lever Valve Combination Deals Include Lever Valve, Type "F" Male Adapter by Male Thread and Dust Cap.



	3"	4"	6"
RIV	\$91.75	\$135.95	\$255.75
MZ	\$100.25	\$152.25	\$278.75



RIV BRAND

MZ BRAND

ABOUT BRASS LEVER VALVES:

There are 2 brands of Brass Lever Valves; MZ and RIV. RIV Valves have a round top with hexagonal nut. MZ valves have 4-6 allen screws connecting the top to the body of the valve. Parts on these valves, including the handle, are NOT interchangeable. If you need a certain brand valve or parts for a valve, please specify which brand you need.
NOTE: RIV Brand Valves will be sent by default unless MZ is specifically ordered.



BRASS BALL VALVE

Full port for easy flow, and have reinforced seats and seals to give them a higher pressure rating. Female NPT threaded.

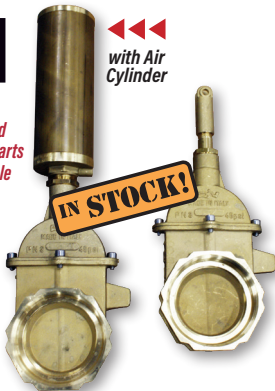
1 1/2"	2"	2 1/2"	3"	4"
\$21.95	\$31.95	\$75.95	\$94.95	\$149.95



BRASS PISTON VALVE

Made of Durable brass and female NPT threaded, available in all of the larger sizes. Great for intake or discharge lines- Ideal for a quick acting positive seal on your tank. Manual Handles available.

Limited Rebuild Parts Available



FEMALE NPT X FEMALE NPT

	DESCRIPTION	4"	6"
RIV	Valve Only	\$141.05	\$233.95
MZ	Valve Only	\$165.95	\$275.25
RIV	Valve w/ Air Cylinder	\$367.85	\$482.35
MZ	Valve w/ Air Cylinder	\$432.75	\$567.45

4 BOLT FLANGE X FEMALE NPT

RIV	Valve Only	\$150.65	\$240.25
MZ	Valve Only	\$177.25	\$282.65
RIV	Valve w/ Air Cylinder	\$386.25	\$477.95
MZ	Valve w/ Air Cylinder	\$454.35	\$562.25

4 BOLT FLANGE X 4 BOLT FLANGE

RIV	Valve Only	\$188.55	\$229.85
MZ	Valve Only	\$221.75	\$270.45
RIV	Valve w/ Air Cylinder	\$439.95	\$478.25
MZ	Valve w/ Air Cylinder	\$517.55	\$562.65



4 & 6 BOLT POLY-PROPYLENE BALL VALVES

Precision molded full port for easy flow. Make an economical alternative to brass valves. Stainless steel bolted design for extra durability.

4 BOLT FULL PORT 1 1/2"	4 BOLT STANDARD PORT 2"	4 BOLT FULL PORT 2"
\$25.35	\$25.65	\$28.85
6 BOLT FULL PORT 2"	6 BOLT FULL PORT 3"	8 BOLT FULL PORT 4"
\$36.15	\$79.45	\$169.50



BANJO 4 BOLT & 6 BOLT VALVES

Precision molded polypropylene full port bolted ball valves by a name you know and trust.

Rebuild Kits, Parts & Handles Available.

4 BOLT FULL PORT 1 1/2"	4 BOLT STANDARD PORT 2"	4 BOLT FULL PORT 2"
\$29.72	\$29.72	\$41.86
6 BOLT FULL PORT 2"	6 BOLT FULL PORT 3"	6 BOLT STANDARD PORT 4"
\$39.68	\$100.03	\$218.62



HIGH PRESSURE BALL VALVES, 2-WAY & 3-WAY

Rated from: 7350 PSI - 5145 PSI

Temperature Range: -20°F to 215°F (-29°C to 101.6°C)

Part# HPBV		
SIZE	2-WAY	PRICE
1/4"	HPBV25	\$31.96
3/8"	HPBV38	\$33.90
1/2"	HPBV12	\$36.86
3/4"	HPBV34	\$72.53
1"	HPBV10	\$86.56
1 1/4"	HPBV125	\$226.46
1 1/2"	HPBV150	\$274.46
SIZE	3-WAY	PRICE
1/2"	HPBV12-3WAY	\$81.50
3/4"	HPBV34-3WAY	\$102.00
1"	HPBV10-3WAY	\$109.00

Buy a Combo & SAVE MONEY!

BRASS PISTON VALVE COMBO

Brass Piston Valve Combination Deals Include Piston Valve, Type "F" Male Adapter by Male Thread, Dust Cap, and Handle Assembly*

	4"	6"
RIV	\$143.45	\$242.75
MZ*	\$219.75	\$351.65



90° POLY NOZZLE VALVE

This handy lightweight hose end valve is great for transfer of liquids into tanks, drums and other applications. 2" Full Port valve with integrated carry handle. Threaded Female NPT x Female NPT. Comes w/ 8" long poly fill wand.

	ITEM#	PRICE
NORWESCO	VA200FP	\$47.25
BANJO	VA200FPBANJO	\$53.54

VACUUM TRUCK COMPONENTS



HIGHLIGHTED TANK COMPONENTS COME WITH BLANK OPENINGS- USE CHART TO ORDER EASY WELD ON FITTINGS OF YOUR CHOICE



WELDABLE FITTINGS CHART

SIZE	WELDABLE NIPPLE		WELDABLE HOSE SHANK		WELDABLE ELBOW	
	PART#	PRICE	PART#	PRICE	PART#	PRICE
2"	1053-0002	\$13.75	1014-0002	\$5.95	1014-0004	\$19.95
3"	1051-0000	\$17.35	1014-0003	\$7.05	1014-0005	\$24.55
4"	1052-0002	\$22.25	1014-0008	\$9.85	1014-0081	\$39.85

*Carbon steel; stainless and aluminum available. Call for pricing

STEEL PRIMARY SHUTOFF

*Sold Unpainted



- 6 Bolt Flange Design
- 4" Stainless Steel Float for Positive Shutoff
- Weldable Base is 6 1/2" O.D.

ITEM#	DESC.	PRICE
1033-0001	2" blank opening	\$154.00
1034-0001	3" blank opening	\$154.00

See Chart to Add an Easy Weld On Fitting.



SHOWN W/ NPT NIPPLE

STEEL LOW PROFILE PRIMARY SHUTOFF

*Sold Unpainted



- Minimizes Overall Vacuum Tank Height (Only 7 1/4" Tall)
- Weldable Base is 12 1/4" O.D.
- Standard Neck Length Of 6"
- Easy Access for Quick Clean Out

ITEM#	DESC.	PRICE
1014-0900	3" blank opening	\$293.00

See Chart to Add an Easy Weld On Fitting.



SHOWN W/ NPT NIPPLE

10 GAL. VERTICAL SECONDARY

- Gauge optional, ball valve included.

ITEM#	DESC.	PRICE
1008-0019	3" blank opening	\$397.00

See Chart to Add an Easy Weld On Fitting.



IN STOCK!

20" PRIMARY

- Gasket in the Lid Design
- 8" Stainless Steel Ball Cage Assembly
- Stainless Steel Float Ball

ITEM#	DESC.	PRICE
1010-0026 DP	3" blank opening	\$368.00

See Chart to Add an Easy Weld On Fitting.



HORIZONTAL SECONDARY SHUTOFF

- Gauge optional, ball valve included.

ITEM#	DESC.	PRICE
1008-0102	10 gallon w/3" opening	\$440.00

See Chart to Add an Easy Weld On Fitting.



IN STOCK!

IN STOCK!



2 gal.

5 gal.

Includes 1/4" gauge port and ball valve.

STEEL VERTICAL SECONDARY SHUTOFF

- Nipples may be extra charge for certain items
- Gauge optional, ball valve included.

ITEM#	DESC.	PRICE
1151-0000	3" blank opening	\$221.00

2 GALLON - 125 CFM

ITEM#	DESC.	PRICE
1152-0000	3" blank opening	\$293.00

4 GALLON - 225 CFM

ITEM#	DESC.	PRICE
1153-0000	3" blank opening	\$309.00

See Chart to Add an Easy Weld On Fitting.



316 Stainless Steel

Greaseable Zinc Plated

NEVER FIGHT RUSTED WING NUTS AGAIN!

GREASEABLE WING NUTS & ASSEMBLIES

DESCRIPTION	PRICE
NEW! 316 Stainless Steel Wingnut Kit	\$27.25

DESCRIPTION	PRICE
Greaseable Wing Nut Kit, Zinc Plated Wing Nut w/ Washer, Grease Cap & Zerk	\$21.50

COMPLETE ASSEMBLY AVAILABLE



ZINC PLATED WING NUT KIT

- Includes Regular Wing Nut, Zinc Washer, Eyebolt, Clevis Pin, Roll Pin

KIT ONLY \$12.95!

SPRING MOUNTS

*Springs are black- painted white to show detail.

- Decrease Fatigue on your tank frame.
- Universally mounts to most tanks.
- Easy bolt or weld on style.
- Compact mounts.
- Heavy-duty stress relieved springs.

Complete Mount

(includes 2 springs, top mount, bottom mount and grade 8 bolts and nuts) \$112.45 kit

Springs Only

\$11.95 each

MANWAY GASKETS

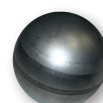
In The Lid Design.



ITEM#	SIZE	PRICE
1019-0008	12"	\$22.95
1019-0010	17"	\$24.95
1019-0011	20"	\$24.95
1010-0009	21"	\$34.95
1019-0012	25"	\$28.95
1012-0005	36"	\$30.95

STAINLESS STEEL FLOAT BALLS

Without Hole



PART#	SIZE	PRICE
1074-0000	3"	\$26.75
1075-0000	4"	\$28.75
1076-0000	6"	\$37.85
1076-0003	8"	\$96.35

RUBBER FLOAT BALL SEAT



PART#	SIZE	PRICE
1089-0000	3" for Grooved Pipe	\$16.35
1090-0000	3 1/2" Clamp On	\$25.35
1089-0001	4 1/2" Clamp On	\$41.85
1089-0003	6 1/2" Clamp On	\$98.05

NEED TO REDUCE OR MAKE A TURN?

SEE OUR PIPE 45's, 90's & BUSHINGS ON PG 28



OIL BUY A CASE- CHOOSE FREE SCENT BELOW
 BUY A DRUM- CHOOSE FREE SCENT BELOW



VACUUM PUMP OIL

Specifically designed for use in vacuum pumps.

- Don't void your warranty or damage your pump using the wrong oil.
- Not sure what oil you need? Give us a call!

SAME LOW PRICE - CHOOSE ANY OIL

SIZE	PRICE PER GAL.	TOTAL PRICE
1 Gallon	\$22.00/GAL.	\$22.00
6 Gallon Case	\$20.00/GAL.	\$120.00
4 Cases (24 Gal.)	\$16.67/GAL.	\$400.00
55 Gal. Drum*	\$12.55/GAL.	\$690.00

*55 Gal. Drum must ship truck freight.

WHAT KIND OF OIL DOES YOUR PUMP USE?

PART#100-OIL	BRAND
ISO 32	Masport
ISO 68	Battioni, NVE, Masport
ISO 100	Moro, Masport
ISO 150	Jurop, Fruitland

FREE 12 oz. Scent w/ Case of Oil
FREE Gallon Scent w/ Drum of Oil

PUMP OIL SCENT ADDITIVE

- Counteracts all unpleasant odors as you pump
- Mix 2 oz. per 1 Gallon of Oil

12 oz. Scents 6 Gal. Case of Oil
1 GAL. Scents 64 Gal. Oil or 55 Gal. Drum



SCENT	12 OZ.	1 GAL. (128) OZ.
Cherry	\$9.95	\$57.50
Fresh Cotton	\$9.95	\$68.50

VACUUM PUMP REBUILD KITS

Full kits with bearings, without bearings, just vanes, or just seals and gaskets. Any combination possible.

Available for every brand:

JUROP • MORO • BATTIONI • CHALLENGER • CONDE

VACUUM PRESSURE GAUGES
 CUSTOM GAUGES AVAILABLE-
 CALL FOR DETAILS



ITEM#	DESCRIPTION	PRICE
1025-0001	4 1/2" Face	\$13.95
1026-0000	2 1/2" Face Liquid Filled	\$12.95
1027-0000	4" Face Liquid Filled	\$45.50

BRASS PRESSURE & VACUUM RELEASE VALVES

Vacuum Release Valve



Pressure Valve



RIV VALVES NOW FABRICATED WITH A BRASS DISK INSTEAD OF PLASTIC AND VITON JOINT TO ALLOW TEMPS. UP TO 356° F

- Durable Brass Construction • Fully Adjustable

ITEM#	SIZE	RIV PRICE	MZ PRICE
PRESSURE RELEASE VALVES <i>BEST VALUE!</i>			
1048-0000	1 1/4"-155 CFM	\$25.25	\$28.05
1049-0000	1 1/2"-230 CFM	\$28.85	\$32.05
1050-0000	2"-300 CFM	\$32.75	\$36.35
VACUUM RELEASE VALVES			
1035-0000	1 1/2" 370 CFM	\$20.85	\$23.15



IN STOCK!

CUSTOM ALUM. TOOL BOXES & TRAYS

Mountable behind the cab, on the bed, or under the bed, these tool boxes are made in a smooth plate or diamond plate finish. Designed with stainless steel T handle locks they provide a safe place to stow your gear, and give you extra storage for all of your work needs.

TOOL BOX	
18" x 18" x 18"	18" x 18" x 30"
\$245.00	\$325.00
18" x 18" x 48"	12" x 12" x 72"
\$398.00	\$440.00
TOOL TRAY	
8" x 24" x 88"	<i>ANY box or tray can be custom made CALL FOR QUOTE.</i>
\$465.00	



NEVER BREAK ANOTHER SIGHT GLASS AGAIN!

SIGHT GLASS PROTECTORS

PART # SGP

Protect your tank, your investment and the environment. Steel cage fits between welded base and handwheel to stop impact against glass bowl. Compatible with any existing 5" sight eye set. Includes Sight Eye Protector and locking nut for assembly.

\$68⁵⁰



5" Complete Set



5" Kit

SIGHT GLASSES

COMPLETE SETS

ITEM#	DESCRIPTION	PRICE
1092-0000	5" Steel	\$40.95
1092-0100	5" Aluminum	\$71.95

REPLACEMENT PARTS

ITEM#	DESCRIPTION	PRICE
1092-KIT	5" Bowl, Gasket, Knob & Plate	\$14.00
1092-0001	5" Glass Bowl	\$3.75
1083-0000	5" Gasket	\$1.19

FILTER BAGS

4.6" ID x 60" or 70" long, to fit nearly all filter cages on the market. Snap-band top for a leak-proof seal under high pressure/vacuum.



MATERIAL	TEMP. RATING	LENGTH	
		60"	70"
Polypro.	250°F	\$8.80	\$10.30
Polyester	275°F	\$8.25	\$8.75
Acrylic	275°F	\$12.25	\$13.75
NOMEX	400°F	\$19.10	\$22.20

**Bulk discounts available, call for pricing!*



FILTER CAGES

Vacuum Truck Heavy Duty Galvanized Steel Cage. Channel Top with crimp lock, pan bottom with drain hole. 4 1/2" Dia.

Fits Std. 4 3/4" Dia. Filter Bags.

- 58" for 58-60" Long Filters
- 68" for 68-70" Long Filters

ITEM#	SIZE	PRICE
CAGE4558	58" Long	\$28.29
CAGE4568	68" Long	\$29.57



7489 Mason King Court
Manassas, VA 20109



**SHOP ONLINE 24 HOURS
A DAY 7 DAYS A WEEK**
www.varcopumper.com

ALL PRICES SUBJECT TO CHANGE... PLEASE VERIFY ALL PRICES BEFORE ORDERING



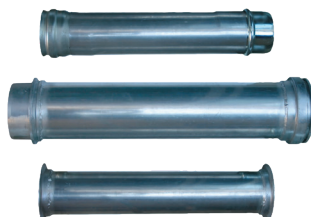
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Or call us for help!

**GREAT NEW
PRODUCTS**

IN STOCK!



TURBO NOZZLES
STARTING AT \$44.50
PAGE 15



ALUMINUM VACUUM TUBES
STARTING AT \$71.10
PAGE 10



**CUSTOM
LENGTH BOOM HOSES**
PAGE 4



SEWER CLEANING TOOLS
STARTING AT \$71.10
PAGES 18-19



FR SAFETY GEAR
STARTING AT \$7.15
PAGE 29

**HABLAMOS
ESPAÑOL**

**FAST
ECONOMICAL
SHIPPING**

**90% OF OUR ORDERS
SHIP THE SAME DAY!**

**OUR DATABASE SHOPS
MULTIPLE OUTLETS FOR YOU!**



PLUS...



**EASY SHIPPING FOR
CANADIAN & PUERTO RICAN ORDERS**



FINANCE IT!
WE OFFER FINANCING
ON SELECTED ITEMS -
CALL FOR DETAILS!

LOOK FOR THE QS LOGO!