

AQUATECH®



PARTS AND ACCESSORIES CATALOG



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Order Fax Line: 740-374-3299
Office Hours: Monday—Friday, 8 am to 5 pm (E.S.T.)

This manual was compiled for the convenience of our dealers and customers. Please supply the model number and unit identification (serial) number when placing your parts order. The appearance and specifications of the part may change without notice.

End users should place parts orders through the local authorized Aquatech® dealer. To find the dealer in your area visit <http://www.aquatechinc.com> and then click on “Dealer Locator” in the upper right of the screen.



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PANEL & DASH SWITCHES



△ **Emergency Stop Switch**
A380131



△ **Momentary Push Button Switch**
A120610
Reel articulation switch on rear control panel



△ **Toggle Switch**
A120180
2 screw terminals with blade adapters, 25A@12VDC, PTO enable switch on B-Series



△ **Toggle Switch**
A120180-1
SPST, Off - On. Plasticized 2 wires, 25A@12VDC. Typically used for floodlight application



△ **Lighted Toggle Switch**
A120866
SPST, Off - On, 4 screw terminals. Glows red when switched on, 25A@12VDC, unit power switch on B-Series



△ **Toggle Switch**
A120859-1
SPST, Off - Mom. On. 2 screw terminals, 25A@12VDC, Boom Flapper Switch



△ **Lighted Toggle Switch**
A120867
5 screw terminals. up (on) - glows red, middle (off) - no light, down (on) - glows white 25A@12VDC. Winter/ Summer Switch



△ **Toggle Switch**
A120861-2
SPDT, Mom. On - Off - Mom. On. 3 screw terminals. 25A@12VDC. Side Panel, Boom Controls, Throttle Control (units with ICM control) Side Panel, Rear Door (tailgate), Side Panel, Rear Door Locks.



△ **Toggle Switch**
A120861-3
SPDT, On - On. 3 screw terminals. 25A@12VDC. For Rear Panel Blower & Water Pump



◁ **Throttle Control Potentiometer**
A383925
Models with Cummins ISC/ISM and Mercedes engines.
NOTE: Consult parts bulletin AQP-B-143 before ordering.

PANEL & DASH SWITCHES



△ **Toggle Switch**
A120861

SPDT, On – On. 3 blade terminals,
25A@12VDC. Cab Blower, PTO and
Water Pump switch.



△ **Toggle Switch Weather Boot**
A121735
Compatible with all previously
listed toggle switches.



△ **Toggle Switch Guard**
A120145
Toggle Switch Guard for rear
control panel.

INDICATORS AND ALARMS



△ **Green Pilot Light**
A122003

Rear control panel water pump
and blower indicator.
12V, 2 wire.



△ **Red Pilot Light** A122007
Low Water Warning, Load Limit
Warning, High Pressure Warning.
12V, 2 wire.



△ **Audible/ Visual Alarm**
A249428

Red light and buzzer operate
simultaneously to provide warning
alarm for Tank Up, Boom Up, and
Load Limit Door Lock.



△ **Switch for Water Pump**
A249341

Over Pressure Warning Light.
1/4" NPT, SPDT. 2000 psi preset.



△ **Limit Switch**
A121705

SPDT, 1 NC/1 NO. 10 Amp.
Snap Action. Provides warning for Tank
Up, Boom Up, Load Limit, and Door Lock.



△ **Back Up Alarm**
A121611

12-24V, 112db, loud Back Up,
Low Water, or Load Limit Alarm.



◁ **Back Up Alarm**
A383288

12-24V, 87-107db,
self adjusting Back Up
Alarm. Volume adjusts
to surrounding noise
environment.



◁ **Back Up Alarm**
A120001

12V, Self Grounding. 97db
alarm sounds for Back Up, Low
Water, Load Limit, and Debris
Level.

A120004

12-24V, Self Grounding. 97db
alarm sounds when Backing Up.

SENSORS



△ **Float Switch**

A120854

Side Mounted 1/2" NPT for load level limit.



△ **Low Water Level Float Sensor**

A120062-1

1-1/4" NPT designed for the B-Series Poly Tanks.

INTERLOCK SWITCH



△ **Pneumatic Pressure Switch**

A381600

N/O or N/C. Switch Operates at 6psi. Road mode feedback for IHC multiplex system.

MISCELLANEOUS ELECTRICAL



△ **Pneumatically Operated Microswitch**

A110335-2

B-Series Foot Pedal Control Box Load Limit Door Lock.



△ **Boom Control Joystick**

A110452-KIT

Includes wiring harness to rear control panel for B-Series Jet-Vacs.



△ **Replacement Microswitches for Boom Control Joystick**

A110452-3

Questions?

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1-800-752-2400 or
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accessories related questions.

BODY LAMP & REFLECTORS



U4106-0053 (Incandescent)
A249803 (LED)
A380871 (Grommet Only)

△ **Sealed Oval Stop Tail & Turn Lamp Kit**

12V Lamp: 6.5" L X 2.25" H
Kit includes Grommet and Pigtail



A381143 (Incandescent)
A381157 (LED)
A381144 (Grommet)
A380693 (Pigtail)

△ **2" Round Marker Lamp**

Rear Marker Lights



△ **3-Lamp Incandescent Clearance Light Bar**

A120454

12V, 14.5" Aluminum Bar. Rear Marker Light on some units.



△ **Red Rectangular Reflector**

A120365

Compatible with B-Series Tank Frame.



△ **Amber Rectangular Reflector**

A120366

Compatible with B-Series Tank Frame.

ROTATING BEACONS



△ **Revolving Amber Beacon**

A120010

Optional equipment for all models.
Two 12 Volt No. 7400 Seal Beams
8.438" Dia. Base X 8.25" H.



△ **Revolving Amber Beacon**

A338200

Optional equipment for all models. Single Reflector w/ 100W H1 Halogen Bulb. 6" OD X 6" H.

PENDANT CONTROLS



- △ **7-Function Boom Control Pendant**
A122170 (35' Cable)
A122171 (45' Cable)
Compatible with all B-Series 1998 and after.



- ◁ **N/O Contact Block**
A122170-CB
Fits A122170 and A122171
Pendant Controls.



- ◁ **N/O Contact Block**
A122070-2-CB
A122070-2-CB-1
Fits A122070-2, A122070-6,
A122071-2 and A122071-6
Pendant Controls.



- ◁ **N/O Contact Block**
A120065
Fits A121932, A122070-1,
A122071-1 and A122072
Pendant Controls.



- ◁ **Dual Dust Boot**
A122170-DB
Current B-Series
Pendant Control



- ◁ **Flush Dust Boot**
A122170-CB
Fits A122170 and A122171
Pendant Controls.



- ◁ **12 Conductor Pendant Control Cable**
A121718: 3/4"OD (per foot).
Older Pendant Controls
A121719: 5/8"OD (per foot).
Compatible with Later Pendant Controls



- ◁ **A121719 Pendant Cable**
Prewired with Quick Connect Plug
A380343: 35".
A2449279: 50".
Compatible with Later Pendant Controls

PENDANT CONTROLS



◁ Pendant Quick Controls (Pin not included)

A152164-2

A1522176-5: Pin for A152164-2 (requires special crimp tool)
For use with all Pendants with Quick Disconnect



△ Quick Connect Panel Socket (connector pins not included)

A152177

A152176-6: Pin for A152177
(requires special crimp tool)
For All Electrical Panels with Quick
Disconnect Socket for Pendant.



△ Retaining Nut for A152177 Panel Socket

A152166-1

For All Electrical Panels with
Quick Disconnect Socket for
Pendant.



△ Retaining Nut Washer for A152177 Panel Socket

A152167-1

For All Electrical Panels with Quick
Disconnect Socket for Pendant.



◁ Dust Cover for A152177 Panel Socket

A152164-3

For All Electrical Panels with Quick
Disconnect Socket for Pendant.



◁ Prewired Panel Socket Assembly with Dust Cover

A280300

Replacement or Retro-Fit for Pendant
Control with Quick Disconnect.

WORK LIGHTS



◁ 20' Retractable
Worklight Assembly
A120111-4
50' Retractable Worklight
Assembly
A120121-4
12V Worklight Only
A120533



◁ 20' Retractable Brinkman
Worklight Assembly
A120111-3
50' Retractable Brinkman
Worklight Assembly
A120121-1
12V Brinkman Worklight Only
A120532
Features: 100,000 CP Floodlight/
200,000 CP Spotlight Dual Seal Beam.



△ Rubber Clad Worklight
A120400
A120400-1 (Replacement Seal Beam)



△ Replacement Cord Reel
A120540 (20') For above 20' assemblies.
A120540 (50') For above 50' assemblies.
Replacement for above worklights and boom
worklight



△ Panel Work Light Kit
A120101
A120020 (Lamp Only)
A240061 (Bracket Only)
A120180-1 (Toggle Switch Only)
A121735 (Switch Boot Only)



△ HID Worklight
A304127
150W 12V . 12250 Lumens.

STROBE LIGHTS



△ **Very High Profile, High Intensity
Amber Strobe**

A121050

12-24V, 65/80 FPM. 6.5" Dia. Base X 8"H.
Automatically adjusts for day or night
operation. Field Selectable: Dual or quad
flash. Compatible with all models.



△ **High Profile, High Intensity
Amber Strobe**

A380028

12-48V, 80 FPM. Dual Flash. 6.5" OD X
6"H. Advanced Lens Optics. Compatible
with all models.



△ **Low Profile, High Intensity
Amber Strobe**

A338716

12-24V, 72 Quad FPM.
6.375" Dia. Base X 5"H
Compatible with all models.



△ **Amber Super Strobe**

A122083

12-24V, 80 FPM. 7.5" OD X 7"H.
Aluminum Base. Compatible with all
models.



△ **Amber Mini Strobe**

A122085

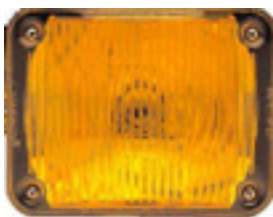
12-24V, 80 FPM.
5" Dia. Base X 3.75"H
Polycarbonate Base. Compatible with
B-Series Dual Mounted Boom Strobes.



△ **Linear Strobe**

A380668

12V Halogen strobe for use with
B-Series Rear Bumper/Splash Guard
Strobe.



△ **Linear Strobe**

A380669

B-Series side mounted
12V halogen strobe.



△ **PAR 36 LED Strobe Light**

A380096

B-Series Top Rear Corner Strobe.
Fits into grommet
part number A380865.

ARROW BOARDS



△ **8-Lamp Arrow Board Kit**
A120394 (Incandescent)
12V Lamp, includes controller and 55' of cable.



△ **10-Lamp Arrow Board Kit**
A120501 (Incandescent)
A120503 (LED)
12V, includes controller and 55' of cable.



△ **10-Lamp, 2 Piece Arrow Board Kit**
A304409 (Incandescent)
A120483 (LED)
A304414 (Ultra-Bright LED)
12V Lamp, includes controller and 55' of cable.



△ **14-Lamp Arrow Board**
A120481 (Incandescent)
A383020 (LED)
12V Lamp, includes controller and 55' of cable.



△ **15-Lamp LED Arrow Board**
A120482
4-Function Controller, shows Left, Right, Split and Caution

TRAFFIC SAFETY ADVISORS



△ **6-Lamp Amber Halogen Traffic Advisor**
A120163
12 Volt, 4-Function Controller: Left, Right, Split & Flash.



△ **8-Lamp Amber Halogen Traffic Advisor**
A249901 (with 35' cable)
A338167 (with 50' cable)
12V, 48" X 6" X 3".
8-Function Controller with Day/Night Switch.

Questions?

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GAUGES



△ Vacuum/ Pressure Gauge
A131765

-30 hg. In. to 30 psi. Flange Mount.
1/4"MNPT. Compatible with B-Series.



△ Vacuum/ Pressure Gauge
A131790

- 100 hg. In. to 100 psi. Pedestal
Mount. 1/4"MNPT. Compatible
with JV1000 & JVL.



△ Water Pressure Gauge
A131786

0 to 5000 psi. Flange Mount. 1/4"MNPT.
Compatible with most models.



△ Hydraulic or Water
Pressure Gauge
A131782

0 to 5000 psi. Pedestal Mount.
1/4"MNPT. Compatible with some
models.



△ Mini Hydraulic Pressure Gauge
A131780-1

Used on the B-Series. 0 to 5000 psi
1/8"MNPT.



△ Air Pressure Gauge
A380653-2

Compatible with the B-Series and SJ
Trucks. 0 to 200 psi. 1/8"MNPT.



△ Hydraulic Oil Level & Temperature Gauge
A110000-5

Compatible with the B-Series.



△ Hydraulic Return Filter Pressure Gauge
A110000-9

Compatible with the B-Series. 0 to 60 psi.



△ Hourmeter
A120040
10 to 80 VDC.



△ Tachometer
A383409

Alternator Pulse Type, compatible
with various models. 11 to 28VDC.



△ Tachometer with Sender
A383216
Flywheel Magnetic Pulse Type.
12 VDC.

HYDRAULIC FILTERS



△ **Hydraulic Return Filter**
A110000-3
B-Series Hydraulic Reservoir



◁ **Spin On Hydraulic Filter Assembly for B-Series**
A110515 (Filter Assembly)
A110516 (Element Only)
1-1/4" FNPT Ports.



◁ **High Pressure Hydraulic Filter**
A383754 (Filter Assembly)
A383754-E (Element Only)
Compatible with current B & SJ Series.



◁ **Boom Hydraulic Control Valve Filter**
A383767
Compatible with B-Series

HYDRAULIC VALVES



△ **Boom Hydraulic Directional Control Valve Assembly for Late Model B-Series**
A246521 (12 Volt)
A246521-24 (24 Volt)
NOTE: See parts bulletin AQP-B-111 for components.



△ **Boom Hydraulic Directional Control Valve Assembly (3 Spool) for Older B-Series**
A110496 (12 Volt)
A110501 (24 Volt)
NOTE: See parts bulletin AQP-B-128 for components.



◁ **Rear Hydraulic Control Valve Assembly (4 Spool) for B-Series**
A110517 (12 Volt)
A110517-24 (24 Volt)
NOTE: See parts bulletin AQP-B-128 for components.

HYDRAULIC VALVES



△ **Adjustable Flow Control Valve**
A110275
1/4" NPT. Used for Boom Lift Cylinder.



△ **Priority Flow Control Valve for B-Series**
A110292



△ **Velocity Check Valve**
A110304
For use with B-Series Tank Tipping Cylinder.



△ **Hydraulic Check Valve**
A110234
Compatible with various models.



△ **Reel Speed (Flow) Control Valve**
A380510
Compatible with various models.
NOTE: See parts bulletin AQP-B-135 for models built prior to 2001.



△ **Flow Control Valve**
A249366



△ **Integrated Check/ Relief Valve Assembly**
A110019
B-Series Door Lift.



△ **Hydraulic Directional Control Valve**
A110422
B-Series Pump-Off System.



△ **Hydraulic Directional Control Valve**
A110445
SJ Series, JV-1000 and some B-Series.



△ **Hydraulic Directional Control Valve**
A110083
B-Series Tank Up/ Down.

HYDRAULIC PUMPS & MOTORS



△ **Hydraulic Pump**
A110233
Standard Pump for B-Series.



△ **Hydraulic Motor for Optional
Debris Tank Pump-Off System**
A381608
Compatible with B-Series.



△ **Hose Reel Motor**
A380839
For use on Late Model Truck
Mounted Units.



△ **Hydraulic Motor**
A110185
Boom rotation motor on
B-Series. SJ-600E Hose Reel
Motor.



△ **Hydraulic Motor**
A110186
SJ-600E Hose Reel Motor.



△ **Hydraulic Motor**
A381186
SJ-600 Hose Reel Motor.



△ **Hydraulic Rack & Pinion
Actuator**
A383241
B-Series Rear Reel Articulation.

HYDRAULIC CYLINDERS



△ **Boom Extension Cylinder for
B-Series Boom**
A110210 (64" C to C Collapsed)
53" Actual Stroke.
A110210 -1 (77" C to C Collapsed)
66" Actual Stroke.



△ **Boom Lift Cylinder for
B-Series Boom**
A110645-1
(20.675" C to E Collapsed)
A110645-3
(25.188" C to E Collapsed)



△ **Door Lift Cylinder**
A110015-1
B-Series Circa 1996 and later

HYDRAULIC CYLINDERS



◁ Debris Tank Lift Cylinder

A111072 (74" Stroke) For use with the B-3
A110101 (74" Stroke) For use with the B-6
A110108 (109.25" Stroke) For use with the
B-5, B-10 & B-52
A110107 (120" Stroke) For use with the B-15



△ Door Lock Cylinder Including Wedge

A246523-P
For use with the B-Series

HYDRAULIC RESERVOIR



◁ Hydraulic Reservoir for Late Model

B-Series

A110000

NOTE: See parts bulletin AQP-B-147 for components

PNEUMATIC VALVES



△ 3-Spool Ross Valve for OMSI PTO for B-Series

A111139-B (12 Volt)

A111139-24 (24 Volt)

NLA - Call factory for substitute



△ Single Spool Ross Valve for Boom Flapper Control for B-Series

A111225 (12 Volt)

A111225-24 (24 Volt)



△ SMC Pneumatic Spool Control Valve for Current B-Series A383753



△ Pressure Protection Valve

A111235

Compatible with all models with pneumatics



△ Manual Air Control Valve

A111215

Compatible with older B-Series models with pneumatically controlled throttle



△ Air Actuator Valve

A111217

Compatible with older B-Series models with pneumatically controlled throttle



◁ 2 or 3 Lever Air Selector Valve

A381762 (2 Lever) (Not pictured)

For use with older SJ Series Trucks for PTO Control

A381763 (3 Lever)

For use with older B-Series for PTO Control

MISCELLANEOUS PNEUMATIC



△ **Pneumatic Cylinder**

A249777

For use with B-Series Boom Flapper



◁ **Separator**

A383736 (Oil Separator)

3/8" NPT Ports

A383737 (Water Separator)

3/8" NPT Ports

Compatible with current models
with pneumatic controls



△ **Air Filter Regulator**

A111135

Compatible with older B-Series trucks



△ **Air Pressure Regulator**

A380653

Designed for B-Series with optional
unloader valve option



△ **High Speed Air Swivel**

1.4" MBSP

A164148-6

RH Thread, For units with Rear
Output OMSI PTO

A164148-7

LH Thread, For units with Front
Output OMSI PTO

PLASTIC TUBING



PART NO.	O.D.	DESCRIPTION	COLOR	MATERIAL	WALL THK.
A176010	1/4"	Air Line	Black	Polyethylene	0.0620
A176030	5/16"	Air Line	Black	Polyethylene	0.0620
A176035	3/8"	Air Line	Black	Polyethylene	0.0620
A176054	1/4"	D.O.T. Air Brake Tubing	Black	Nylon	0.0400
A176051	3/8"	D.O.T. Air Brake Tubing	Black	Nylon	0.0620
A176052	1/2"	D.O.T. Air Brake Tubing	Black	Nylon	0.0620
A176050	5/8"	D.O.T. Air Brake Tubing	Black	Nylon	0.0920
A176056	3/4"	D.O.T. Air Brake Tubing	Black	Nylon	0.0920
A176010-1	1/4"	High Temp Air Line Tubing	White	Teflon	0.0625
A176020-1	5/16"	High Temp Air Line Tubing	White	Teflon	0.0625

DRIVE TRAIN COMPONENTS



◁ Rear Output Auxiliaries OMSI PFT/PC4-3000 A381948

Compatible with late model B-Series Standard Chassis

Front Output Auxilliary OMSI PFT/PC4-3000 A381620

Compatible with late model B-Series on cab over Chassis

Single Output Auxilliary OMSI PFT/PC2-3000 A164137-3

Compatible with late model SJ-Series Trucks



△ Universal Joint Kit A161592

Compatible with jack shafts 12" C.L. to E,
jack shafts 13" C.L. to E, jack shafts 14" C.L.
to E, jack shafts 15" C.L. to E, jack shafts 16"
C.L. to E, jack shafts 17" C.L. to E, jack shafts
20" C.L. to E



△ U-Joint Strap Kit A161634

For use with the A161592 U-Joint



◁ Jackshaft for use with OMSI PTO

A239870-12: 12" C.L. to E

A239870-13: 13" C.L. to E

A239870-1: 14" C.L. to E

A239870-15: 15" C.L. to E

A239870-17: 17" C.L. to E

A239870-20: 20" C.L. to E

LOWER POWER DECK COMPONENTS



△ **Drive Shaft End Yoke**
A161633
1.5" Keyed Bore
Compatible with B-Series



△ **Key for A161633 Yoke**
A234285-15
Compatible with B-Series



△ **Driveshaft for B-Series**
A238050-MFD
22" OAL. Used with HD Flange Brg.
A238068-MFD
19.5" OAL. Used with Std. Flange Brg.



△ **Key for Drive Sprockets**
A236018-21
Compatible with B-Series




△ **Standard Duty 4-Bolt Flange Bearing**
A160300
Compatible with B-Series, used with 65 gpm water pump or Roots 624 blower



△ **Heavy Duty 4-Bolt Flange Bearing**
A304367
Compatible with the B-Series, used with 80 gpm and up pump or large displacement blower

TAPER LOCK BUSHINGS

	Style	1610	2517	3020	3525	3535	4535
	Dimensions	2.25"ODx1"	3.38"ODx1.75"	4.25"ODx2"	5"ODx2.5"	5"ODx3.5"	6.38"ODx3.5"
		2.125" B.C.	3.250" B.C.	4.000" B.C.	4.830" B.C.	4.830" B.C.	6.130" B.C.
	Bolt Torque	14.6ft. lbs.	35.8 ft. lbs.	66.7 ft. lbs.	88.3 ft. lbs.	88.3 ft. lbs.	204.2 ft. lbs.
1-1/2" Bore (Old Aquatech Gear Reductions)		A381055	A380168	A163022	A381989		
46mm Bore (KD716 Uraca)				A380334	A380638		
1-5/16" Bore (Driveshaft)			A163024	A163008	A380143		
50mm Bore (General Pumps)			A163003	A163002	06-0434		
2" Bore (624 Roots)			A163007	A380142	A249169		A16353
65mm Bore (SIAV 840 Hibon)				A383233	A163520		
2-3/4" Bore (824 Roots, TS56 Hibon & P345 Uraca)				A163066	A100216	A380145	

SPROCKETS FOR 55MM WIDE POLYCHAINS



TEETH	PART NO.	BUSHING STYLE	TYPICAL APPLICATION
36	A163231	Taper Lock 2517	Gasco & Fab Water Pump BOM
60	A163125	Taper Lock 3020	Gasco Water Pump BOM
68	A163230	QD-SF	Fab Water Pump BOM

SPROCKETS FOR 68MM WIDE POLYCHAINS

TEETH	PART NO.	BUSHING STYLE	TYPICAL APPLICATION
29	A380339	Taper Lock 2517	Various Power Decks
30	A163017	Taper Lock 2517	Various Power Decks
30	A163131	None	Idler Sprocket
31	A249047	Taper Lock 2517	Various Power Decks
32	A163004	Taper Lock 2517	Various Power Decks
33	A163000	Taper Lock 2517	Various Power Decks
34	A163005	Taper Lock 2517	Various Power Decks
36	A163006	Taper Lock 3020	Myers BOM
38	A163069	Taper Lock 3020	Earlier pulleys used 2517 series bushing
40	A165025	Taper Lock 3020	Various Power Decks
43	A163123	QD-E	Old Roots 624 BOM
45	A163023	Taper Lock 3020	Various Power Decks
45	A163077	QD-E	Old B10 BOM
48	A163114	Taper Lock 3525	Earlier pulleys used 2517 series bushing
48	A165018	QD-E	Old B10 BOM
50	A249160	Taper Lock 3525	Various Power Decks
56	A163121	Taper Lock 3525	Earlier pulleys used 2517 series bushing
63	A163051-1	Taper Lock 3525	Various Power Decks
71	A163021	Taper Lock 3525	Earlier pulleys used 3020 series bushing
71	A163076	QD-J	Myers BOM



SPROCKETS FOR 85MM WIDE POLYCHAINS

TEETH	PART NO.	BUSHING STYLE	TYPICAL APPLICATION
38	A163183	Taper Lock 3020	Robuschi BOM
40	A163184	Taper Lock 3020	Robuschi BOM

SPROCKETS FOR 90MM WIDE POLYCHAINS

TEETH	PART NO.	BUSHING STYLE	TYPICAL APPLICATION
34	A163508	None	Idler Sprocket - Hibon 8702 BOM
45	A165005	Taper Lock 3525	Hibon 8702 BOM
48	A163506	Taper Lock 3525	Hibon 8702 BOM
56	A165020	Taper Lock 4030	Hibon 8702 BOM
60	A163509	Taper Lock 4030	Hibon 8702 BOM

SPROCKETS FOR 115MM WIDE POLYCHAINS

TEETH	PART NO.	BUSHING STYLE	TYPICAL APPLICATION
38	A163227	Q-SF	Moro 90 GPM Water Pump BOM
48	A163228	Q-E	Moro 90 GPM Water Pump BOM

POLYCHAINS - WATER PUMP DRIVE

PART NO.	WIDTH		LENGTH		TEETH COUNT	TYPICAL APPLICATION
	MM	INCH	MM	INCH		
A163236	55	2.165	2310	90.940	165	w/Gaso 3364 pump or Aquatech "Fab" Pump
A163189	55	2.165	2590	101.970	185	Water Pump late 80's
A160647	68	2.677	1750	68.898	125	w/Uraca P345 Water Pump
A380513	68	2.677	1890	74.409	135	w/Uraca KD716 Water Pump
A160646	68	2.677	1960	77.170	140	Most w/MSS55 General Pump
A160644	68	2.677	2100	82.677	150	Some w/MSS55 General Pump
A160642	68	2.677	2380	93.700	170	w/Myers D65-20 Water Pump
A163191	115	4.528	1890	74.400	135	w/90gpm Moro Pump (80's)
A163226	115	4.528	2100	82.680	150	90 GPM Pump
A163239	115	4.528	2800	110.240	200	B10-2E





POLYCHAINS - EXHAUSTER (BLOWER) DRIVE

PART NO.	WIDTH		LENGTH		TEETH COUNT	TYPICAL APPLICATION
	MM	INCH	MM	INCH		
A163018	68	2.677	2520	99.213	180	Some w/Roots Exhauster
A160641	68	2.677	2660	104.720	190	Most w/Roots Exhauster (current)
A163127	68	2.677	2800	110.236	200	w/Roots Exhauster 624 (early 90's) or 824
A163188	85	3.346	2590	101.970	185	w/A27A (2700 CFM) Exhauster (80s, early 90s)
A160658	90	3.543	2100	82.680	150	Some w/Hibon Exhauster
A160767	170	6.693	2310	90.940	165	w/A45 (4500 CFM) Exhauster (80s, early 90s)
A163195	170	6.693	2800	110.240	200	w/A45 (4500 CFM) Exhauster (80s, early 90s)



POSITIVE DISPLACEMENT EXHAUSTERS (BLOWERS)

PART NO.	MAKE/MODEL	CFM*	SHAFT	ROT.	TYPICAL APPLICATION	INPUT FLANGE GASKET
A000020	Roots 412	1166	LH	CCW	JV1000, JV1000HPD	18-0143
A340350	Roots 412	1166	BH	CCW	B-3	18-0143
A382001	Hibon VTB820	1400	BH	CCW	B6-EW	A382044
A381052	Sutorbilt 6MP	1500	LH	CCW	JVLT	5"NPT
A340400	Roots RAM624	3173	BH	Bi-Dir	B-Series early 90s to present	A242808
A340421	Roots RAM624	3173	RH	CW	B6-2E, B10-2E	A242808
A381565	Hibon TS56MV18	3650	BH	CW	B-Series	U3803-0019
A381598	Hibon TS56MV18	3650	TH	CCW	B12/2000	U3803-0019
A381622	Hibon SIAV 840	3800	BH	CCW	B-Series	U3803-0031
A381920	Hibon SIAV 840	3800	BH	CW	X-10, X-15	U3803-0031
A340421	Roots RCS824	4208	BH	CW	B-Series	U3803-0019
A340407	Roots RCS827	4822	BH	CW	B-Series	A242799
A381429	Hibon SIAV8702	5250	TH	CW	B-15	U3803-0032
A381621	Hibon SIAV8702	5250	BH	CCW	CB-15	U3803-0032

* Free air displacement at maximum speed

POWER DECK VACUUM COMPONENTS



◁ Old Style Vacuum Strainer Assembly with Bottom Door

A239329-1

NOTE: See parts bulletin AQP-B-109 for components. Compatible with the B-Series

New Style Vacuum Strainer Assembly with Side Door

A384760



△ Vacuum Strainer Screen

A239235 (Old Style)

Compatible with the B-Series

A239235-1 (New Style)



△ Vacuum Relief

16-0267

15"hg vacuum relief valve, 3"NPT, for use with the B-Series

16-0006

18"hg vacuum relief valve, 3"NPT, for use with the B-Series with Hibon T56MV18 Blower



△ 8" Closure Seal

A191286

A381225 (Clamp for 8" Closure Seal)

For use with the B-Series & JV Series



◁ Rubber Sleeve, Silencer to Blower Inlet Flange

A176380

Compatible with the B-Series



△ Silencer for Root 624 or 824 Blower

A380796 (624)

A380079 (824)

Compatible with the B-Series






◁ Gear Clamp for A176380 Rubber Sleeve

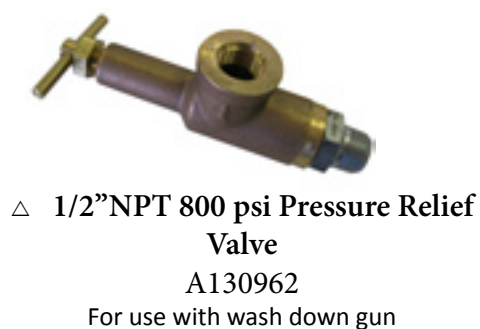
U7000-0243

Compatible with the B-Series

TRIPLEX WATER PUMPS

PHOTO	PART NO.	MAKE/MODEL	GPM	PSI	RPM	INPUT
	A216017	General (Pratissoli) KF36A	36.2	2050	900	Left Hand
	A384196	General (Pratissoli) MWR36	45.5	3900	1500	Left Hand
	A384199	General (Pratissoli) MWR40	56	3900	1500	Right Hand
	A383768	General (Pratissoli) MWR45	71	2500	1500	Right Hand
	A384024	General (Pratissoli) MWR50	87.5	2000	1500	Left Hand
	A384139	General (Pratissoli) MWR50	87.5	2000	1500	Right Hand
	A384192	General (Pratissoli) MK55	75	2900	1500	Left Hand
	A383484	General (Pratissoli) MK60	90	2500	1500	Left Hand
	A383766	General (Pratissoli) MK60	90	2500	1500	Right Hand
	A383908	General (Pratissoli) MK60	90	2500	1800	Left Hand

PRESSURE RELIEF VALVES






- ◁ Pressure Relief Valve
A130963
2000psi, 1"MNPT Inlet, 1"FNPT Outlets.
For use with 2000psi units
A380516
2900psi, 1"MNPT Inlet, 1"FNPT Outlets.
For use with 2500 psi units
A380516-1
2600psi, 1-1/2"MNPT Inlet, 2"FNPT Outlets. For use with 1-1/4" hose

Questions?

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740-374-2306
for help with any parts or
accessories related questions.

GATE VALVES

			
NPT SIZE	SCREW TYPE	LEVER TYPE	PISTON TYPE
½"	A140001		
¾"	A140010		
1"	A140020		
1¼"	A140030		
1½"	A140040		
2"	A140050	A150699	
2½"	A140060	A150700	
3"	A140075	A15710*	
4"		A150725**	A150775
6"		A246115**	A150800
8"			A150810

3-WAY BALL VALVES



◁ 3-Way Ball Valve

- A249018 (Under valve control)
1/2"NPT Bronze - 400psi
- A381714 (Hydro-Excavation Option)
1/2"NPT Steel - 2000psi
- A130925* (SJ Trailer Units)
3/4"NPT Steel - 5000psi
- A130920* (Most B-Series)
1"NPT Steel - 5000psi
- A100206* (B-Series with 1-1/4" hose)
1-1/4"NPT 5000psi



BALL VALVES

NPT SIZE	PART NO.	BODY	PORT	MAX PSI	COMMENT	TYPICAL APPLICATION
1/4"	A130885	Brass	Full	400		Various air & water
1/2"	A130890	Steel	Reduced	2000		Various
	A130891	SS	Reduced	2000		Various
	A130893	Steel	Reduced	3000	w/ Padlock Loops, Yellow Handle	Wash Down Gun
3/4"	A130906	SS	Full	2000	Yellow Handle	Various
1"	A130901	Steel	Reduced	2000	Blue Handle	Cold Water Recirculation
	A130903	Steel	Reduced	3000	Orange Handle	Various
1 1/4"	A100188	Steel	Full	3000		Various
1 1/4"	A130909	Brass	Full	600		Hydraulic Reservoir
	A130910	Steel	Full	3000	Yellow Handle	Various
2"	U4631-0012	Brass	Std.	600		Various
2 1/2"	A140062	Brass	Full	600		Various
3"	A140079	Brass	Full	600		Suction Lines
4"	A382094	Brass	Full	450		Various
	A382599	Brass	Full	450		Various

HOSE REEL SWIVELS



- ◁ **Cast Iron Hose Reel Swivel**
A130729 (3/4" Reel Swivel)
Compatible with some B-5 units
J-2405-2 (1"NPT Reel Swivel)
Optional retrofit for SJ trailer units
A130727-1 (1-1/4"NPT Reel Swivel)
Compatible with B-Series



- ◁ **1/2"NPT Hose Reel Swivel**
30018-SWIVEL
Compatible with most Reelcraft Auxilliary
Hose Reels



- ◁ **1/2"NPT Brass Hose Reel Swivel**
OBJ-310
Compatible with Cox Auxilliary Hose Reels



- ◁ **3/4"NPT Hose Reel Swivel**
A130725
Compatible with SJ-600E



- ◁ **1"NPT Brass Hose Reel Swivel**
A338108
Compatible with SJ-600P



- ◁ **1 1/4"NPT Hose Reel Swivel**
A130727
Compatible with B-Series Front Reel
and some older Rear Reel units

MISCELLANEOUS WATER SYSTEM COMPONENTS



A130810



A130820

◁ Quick Disconnect for Wash Down Gun Coupler

A130810

1/2" NPT Female Quick Disconnect

A130820

1/2" NPT Male Quick Disconnect



△ Globe Needle Valve

A130904

For use with B-Series Manifold



△ Bleeder Valve

A110351

For purging air out of water pump manifolds.

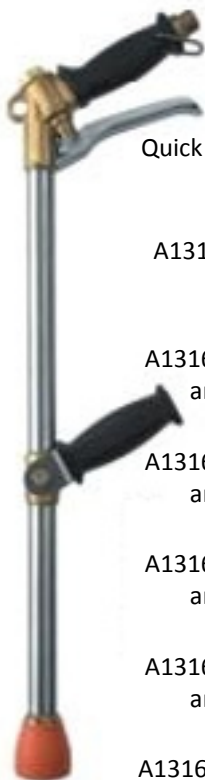


△ Bleeder Valve

A221440

For blowing out water in water pumps for winterization.

SPRAY GUNS



◁ Spray Gun

A131632

Quick Adjusting Wash Down Gun, 25gpm @ 850psi rating

A381492

A131632 Hand Gun with A130810 female quick coupler

A131625

A131632 Hand Gun with A175065 25' hose and A130810 female quick coupler

A131636

A131632 Hand Gun with A175066 35' hose and A130810 female quick coupler

A131628

A131632 Hand Gun with A175067 45' hose and A130810 female quick coupler

A131629

A131632 Hand Gun with A175069 50' hose and A130810 female quick coupler

A131629-100

A131632 Hand Gun with A175075 100' hose and A130810 female quick coupler



◁ High Pressure Spray Gun

A383407

21gpm @ 7250psi rated
For use with the B-Series with Hydro-Excavation Package



△ A383407 Spray Gun with 51" Lance & Side Grip

A249489

(Spray tip not included)
For use with B-Series with Hydro-Excavation Package



◁ Spray Tip

A249489

Flat pattern, 1/4" NPT

A249490

Solid pattern, 1/4" NPT



◁ 100' Capacity Hose Reel for Spray Guns

A130560

UNLOADER VALVES



△ General Pump

A215555

PN3/160 General pump,
2350 Max psi, 120 Max gpm,
1-1/2" MSP-F ports

A381507

PN3/240 General pump,
3500 Max psi, 80 Max gpm,
1-1/2" MSP-F ports



△ MSUV29/300 Uraca

A380279

4350 Max psi, 170 Max gpm,
Includes 1" MJIC Fittings

A380279-2

4350 Max psi, 170 Max gpm,
Includes 1" FNPT Fittings



△ MSSV24/250

A380279-1

3625 Max psi, 92 Max gpm,
Includes 1" MJIC Fittings

POLY TANK LIDS



△ Poly Tank Vented Lid

A384670

For use with B-Series Saddle Tanks



△ Poly Tank Filler Lid

A384671

Compatible with B-Series PH
Front Saddle Tank

POLY WATER TANK TRANSFER TUBE



△ 6" PCV Water Tank Transfer Tube

A246448

Compatible with B-Series

UNISEALS



△ Uniseal

A176790

For use with 1" Pipe. Compatible
with Poly Tank 1" Return Port

A176793

For use with 2" Pipe. Compatible
with Poly Tank 2" Return Port

A176794

For use with 6" Pipe. Compatible
with Poly Tank Transfer Tube

POLY WATER STRAINERS



△ 1-1/2" T-Strainer
A131098
Parts: A131089 (Gasket)
A131096 (Screen)
Compatible with SJ-300E or SJ-600E



◁ 2" Y-Strainer
A240029
Parts: A240029-2 (Gasket)
A240029-1 (Screen)
Compatible with SJ-300P, SJ-600P or B-Series
Filler Pipe



◁ 3" Y-Strainer
A380819
Parts: A240034 (Gasket)
A240028 (Screen)
Compatible with older B-Series



◁ 3" Y-Strainer
A380820
Parts: A240034 (Lid Gasket)
A380820-7 (Outer Cap Gasket)
A380820-1 (Screen)
Compatible with current B-Series

MISCELLANEOUS WATER SUPPLY COMPONENTS



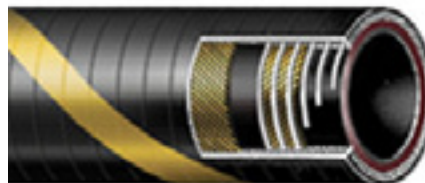
△ 3" to 4" Tank Crossover Tee
A241193
Compatible with B-Series



△ Rear Drain Assembly
A246004
Compatible with B-Series




△ Suction Line Elbow Weldment
A254835
Compatible with B-Series




△ Water Supply Hose
A176470 (3" I.D. Water Supply Hose)
A176480 (4" I.D. Water Supply Hose)
Hose sold per foot
Compatible with a variety of models

B-SERIES WATER SUCTION LINES

DIAGRAM	PART NO.	TUBE O.D.	"A" LENGTH	BEND	TYPICAL APPLICATION
	A380409	3"	61-3/4"	90°	2 tank unit
	A246230-4	4"	61-3/4"	90°	2 tank unit w/80gpm pump
	A246260-8	2"	72"	90°	2 tank units (B-3)
	A24616-1	3"	101"	90°	Some foreign 6 tank units
	A246230	4"	101"	90°	Most common for 4 tanks
	A246230-3	4"	130"	90°	4 tank units (rarely used)
	A246230-7	4"	139"	90°	6 tank units
	A246230-10	4"	150"	90°	4 tank A130613 w/street flush option
	A246230-1	4"	166"	90°	Some 6 tank units
	A246230-9	4"	166"	90°	6 tanks, with return port for cold weather recycling

T-BOLT CLAMPS

PHOTO	PART NO.	CLAMP RANGE	TYPICAL APPLICATION
	05-0506	1.78" - 2.09" ID	
	08-0401	2.28" - 2.59" ID	
	A382126	2.78" - 3.09" ID	
	U4607-0311	3.39" - 3.68" ID	A176470 3"ID Hose
	05-0246-09	3.31" - 3.59" ID	
	08-0510	4.00" - 4.31" ID	
	U4601-0216	4.24" - 4.56" ID	
	05-0246-10	4.31 - 4.59" ID	
	U4607-0235	4.50" - 4.81" ID	A176480 4"ID Hose
	U4607-0238	4.75" - 5.06" ID	
	08-0493	5.25" - 5.56" ID	
	08-0492	5.50" - 5.81" ID	
	08-0519	6.00" - 6.31" ID	
	10-0575	6.25" - 6.56" ID	
	10-0703	7.25" - 7.56" ID	
	A381225	8.66" - 8.94" ID	8" Boom Hose & Closure Seal

HOSE REEL COMPONENTS



△ **Hose Reel Flange Bearing**
A162920

4 Bolt, 1-5/16" ID, for use with SJ-600E

A161845

4 Bolt, 2-1/2" ID with 5-7/8" C to C square bolt pattern, for use with B-Series prior to June 2011

A161845

4 Bolt, 2-1/2" ID with 6" C to C square bolt pattern, for use with B-Series after June 2011



△ **Pillow Block Bearing**
A160305

1-15/16" Pillow Block Bearing,
Compatible with SJ Truck

A338112

1-3/8" Pillow Block Bearing,
Compatible with SJ-600P



△ **Roller Chain and
Connector Link**

A160440-12 (30")

For use with SJ-600E

A160440-19 (54")

For use with B-Series & SJ Trucks



◁ **Reel Drive Sprocket**
A160220

1" Shaft X 13 Teeth, KEY: A221340-10,
For use with B-Series & SJ Trucks

A381513

1-1/4" Shaft X 13 Teeth, KEY: A338367,
For use with B-Series with 1-1/4" hose

A338111

1" Shaft X 24 Teeth, KEY: A221340-10,
For use with SJ-600P

A162985

1" Shaft X 10 Teeth, KEY: A221340-10,
For use with SJ-600E



△ **Rubber Bumper**
A246185

Compatible with B-Series Rear
Reel to Door



△ **Lock Clamp**

A220686 (Lock Clamp)

A246185-1 (Rubber Clamp Pad)

SJ-600P Reel Pivot Position



△ **Roll Pin**
A107409

3/8" X 3" Roll Pin, (3 used)

A107410

7/32" X 1-1/2" Roll Pin, (6 used)
For use with B-Series Swing Arm
Shaft Shear Pins



◁ **Foot Control for Hose Reel Pay-In/Pay-Out**
A242110-1

Parts: A110336 Foot Pedals, A176076 Twin Coil Hose
For use with B-Series

HOSE REEL LEVEL WIND PARTS



◁ Level Wind Guide Tube & Rollers

A222811

Parts: A152630 Roller Only,
A222810 Guide Tube Only

Typical Application: Level Winds
with Mechanical Counters



◁ Level Wind Knurled Roller for Counter

A222820

Typical Application: Level
Winds with Mechanical
Counters



△ 1/2" Shoulder Bolt

A104418

Typical Application: Level Winds with
Mechanical Counters



△ Rubber Roller for Standard Level Wind

A191750

Typical Application: Level Winds
without Mechanical Counters



◁ Mechanical Digital Counter

A220975: LH Top Going

A220976: LH Top Coming

A220980: RH Top Going

A220985: RH Top Coming

DEBRIS TANK COMPONENTS

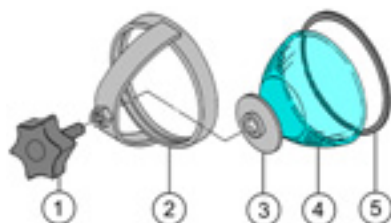


△ **Rear Door Gasket**
A191100

Compatible with B and SJR Series

A191250-10

Compatible with JV Series



△ **Sight Eye Assembly**
A153007

1. A153013 Hand Wheel
2. A153000 Frame
3. A153014 Pressure Pad
4. A152890 Sight Glass
5. A153012 Gasket

Compatible with B, JV, and SJR Series



△ **Stainless Steel Float Ball**
A222005 (10'')

For use with the B, JV and SJR Series
A241392 (10" Fluid Weighted)
For use with B-Series with 4500 cfm
& up blowers



◁ **Float Arm**
A238399

Compatible with B-Series
models with optional pump-off
system

A150586

Compatible with JV Series with
optional pump-off system



◁ **Float Arm Inlet Screen**
A220701

Compatible with B-Series & JV
series with optional pump-off
system



△ **Float Arm Swivel**
A154226

Compatible with B & JV Series
equipped with optional pump-off
system



△ **Tank Flush Nozzle**
A241771

Compatible with B-Series with tank
flush option



△ **Debris Tank Vacuum Hose**
A176630

8" ID X 80" long
Compatible with B-Series Tank to
Strainer Hose

DEBRIS TANK COMPONENTS



△ **8" Power Lock Hose Clamp**
A220698
Compatible with A176630 Hose for
B-Series



△ **Hinge Pin Assembly**
A153730
Compatible with B-Series.



△ **Tank Rest Pad**
A240791-3
Rubber on steel
Compatible with B-Series



△ **Rear Door Hinge Pin**
A240683
For use on Late Model Truck
Mounted Units.



◁ **Rear Door Hinge Bushing**
A162924
Compatible with the B-series

LAY-FLAT HOSE



◁ Lay-Flat Discharge Hose

A176084: 3" Lay-Flat Discharge hose (per foot)
210 gpm pump-off system discharge hose

A176986: 4" Lay-Flat Discharge hose (per foot)
500 gpm pump-off system discharge hose

A176086: 6" Lay-Flat Discharge hose (pre-cut in 15' sections)
B-Series rear door decant hose

BOOM PARTS



△ **Turret Bearing Assembly**
A384051

Standard Turret Bearing Assembly
(12 mounting holes), Compatible
with B-Series with Standard
Aquatech Boom

A384052

High Capacity Turret Bearing
Assembly (24 mounting holes),
Compatible with B-Series with High
Capacity or extended Aquatech
Boom



△ **Thimble for Standard or
High Capacity Turret Bearings**

A241118

Compatible with all Aquatech 8"
Booms



△ **Thimble to Turret Housing
Gasket**

(Standard & High Capacity)

A192014

Compatible with all Aquatech 8" Booms



△ **Turret Housing to Standard Turret
Bearing Gasket (12 bolt holes)**

A192009

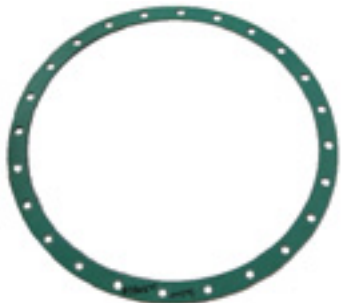
Compatible with all Aquatech 8" Booms



◁ **Seal for Standard & High
Capacity Turret Bearing to
Thimble**

A191617

Seal, Standard & High Capacity
Turret Bearing to Thimble (2 used)
Compatible with all Aquatech 8"
Booms



△ **Turret Housing to HC Turret
Bearing Gasket (24 bolt holes)**

A380271

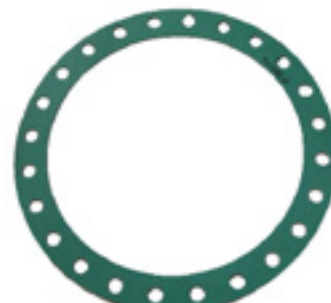
Compatible with all Aquatech 8" Booms



△ **Standard Turret Bearing to
Tank Mounting Flange Gasket
(12 hole)**

A190870

Compatible with all Aquatech 8" Booms



△ **High Capacity Turret
Bearing to Tank Mounting
Flange Gasket (24 hole)**

A380270

Compatible with all Aquatech 8"
Booms

BOOM PARTS



△ **Boom Flapper Valve Seal**
A192011
Compatible with 8" Booms



△ **Turret Flange Gasket**
A192010
Compatible with 8" Booms



△ **Boom Hose Ringlock Adapter**
A245581
Compatible with 8" Booms



△ **Lip Seal for Boom Hose Adapter**
A191804
Compatible with 8" Booms



△ **Ringlock Clamp**
A220425
Compatible with 8" Booms



△ **Male Ringlock Boom Hose Coupler**
A380355
Compatible with 8" Booms



△ **Boom Hose Roller**
A238409
Compatible with 8" Booms



△ **Boom Rest
(2 used)**
A249376
Parts Include:
A249371-4 Horizontal Pad
A249371-5 Upright Pad
A249372 Anchor Smack
Compatible with 8" Booms

Questions?

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**Aquatech
Connector**



**Ringlock
Connector**



**Flat Flange
Connector
(Vactor, Vac-Con, etc.)**



RUBBER BOOM HOSES

HOSE I.D.	HOSE LENGTH		PART NUMBER COMMENT	
	FEET	METERS	HOSE ONLY	HOSE WITH FITTINGS
6" (152.4 mm)	16	4.88	A176618	A247046 w/Aquatech Connector
	19.5	5.94	A176617	A249394 w/Aquatech Connector
8" (203.2 mm)	20	6.10	A176620	A245582 w/Aquatech Connector
				A382521 w/Flat Flange Connector
				A245582-BL w/Ringlock Connector
	22	6.71	A176628	A245582-21 w/Aquatech Connector
	23	7.01	A176620-23	A245582-25087 w/Aquatech Connector
				A245582-BL-23 w/Ringlock Connector
	24	7.32	A176620-24	A245582-23 /Aquatech Connector
				A245582-23V w/Flat Flange Connector
				A245582-23BL w/Ringlock Connector
	25	7.62	A380500	A245582-25 w/Aquatech Connector
				A380536-25048 w/Flat Flange Style Connector
	26.5	8.08	A176620-1	A380536 w/Aquatech Connector
	29	8.84	A176620-29	A304021 w/Aquatech Connector

COUPLERS & ADAPTERS

FEMALE TO MALE REDUCERS



PART NO.	FEMALE	MALE	APPROX. WT.
A238213	8"	6"	12 #
A170220	6"	4"	9 #
A170210	4"	3"	7 #
A170200	4"	2-1/2"	6 #

MALE COUPLER TO HOSE SHANK



PART NO.	MALE	HOSE I.D.	APPROX. WT.
A171150	2.5"	2.5"	3 #
A171340	3"	3"	3.5 #
A171140	4"	4"	4.5 #
A171160	6"	6"	7 #
A171312	8"	8"	22 #

MALE COUPLER TO THREADED SHANK



PART NO.	MALE	MALE NPT	APPROX. WT.
A171400	2.5"	2.5"	3.5 #
A171420	3"	3"	4.5 #
A171430	4"	4"	5.5 #
A170375	6"	6"	8 #

MALE NPT TO HOSE SHANK



PART NO.	MALE NPT	HOSE I.D.	APPROX. WT.
02-0994	2.5"	2.5"	2 #
02-0998	3"	3"	2.5 #
02-1004	4"	4"	3.5 #
02-1019	6"	6"	8 #
02-1028	8"	8"	15 #

FEMALE TO MALE REDUCER WYES



+ Note: To prevent damage to the PD exhauster (blower), one male port must be left open to atmosphere.

PART NO.	FEMALE	MALE	APPROX. WT.
A240879-1	8"	3" (X 2) +	14 #
A240879	8"	4" (X 2) +	14 #
A240879-2	8"	4" mnpt (X 2) +	13 #
A381185	8"	6" (X 2)	15 #

FEMALE COUPLER TO HOSE SHANK



PART NO.	FEMALE	HOSE I.D.	APPROX. WT.
A171110 *	2.5"	2.5"	2 #
A171120 *	3"	3"	2.5 #
A170340 *	4"	4"	3.5 #
A171130 *	6"	6"	5.5 #
A381508 *	8"	6"	12 #
A171311 *	8"	8"	21 #

* O-Ring Not Included

FEMALE COUPLER TO THREADED SHANK



PART NO.	FEMALE	MALE NPT	APPROX. WT.
A171070 *	2.5"	2.5"	3 #
A171080 *	3"	3"	4 #
A171090 *	4"	4"	5 #
A380353 *	6"	6"	7.5 #

* O-Ring Not Included

CAPS



PART NO.	FEMALE
A170290	2.5"
A170300	3"
A170310	4"
A170320M	6"
A170325MFD	8"

* O-Ring Not Included

O-RINGS



SIZE	PART NO.
2.5"	A190620
3"	A190630
4"	A190770
6"	A190760
8"	A191080

VACUUM TUBES

AQUATECH STYLE
Extension Tube

Intake (Crown) Tube



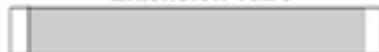
Fluidizer Tube



LENGTH	4 INCH DIAMETER		6 INCH DIAMETER		8 INCH DIAMETER	
	INTAKE	EXTENSION	INTAKE	EXTENSION	INTAKE	EXTENSION
3 ft.		A150401	A150161	A150461		A383961
4 ft.	A150402	A380223	A150171	A150471	A383969	A383962
5 ft.				A150475		A383963
6 ft.	A150421	A380222	A150181	A150481	A383970	A383964
7 ft.						A383965
8 ft.		A150124	A150186	A150485	A383971	A383966
9 ft.						A383967
10 ft.			A150191	A150491		A383968
Fluidizer			A240805 (3')		A384071 (3')	
O-Ring	A190770		A190760		A191080	

RINGLOCK STYLE
Extension Tube

Intake (Crown) Tube



Fluidizer Tube



LENGTH	4 INCH DIAMETER		6 INCH DIAMETER		8 INCH DIAMETER	
	INTAKE	EXTENSION	INTAKE	EXTENSION	INTAKE	EXTENSION
4 ft.						A380154
6 ft.					A380156	A380157
8 ft.						A380155
10 ft.		U4806-0003		U4806-0005		U4806-0007
20 ft.		U4806-0012		U4806-0014		U4806-0016
Fluidizer					A381796-1 (3')	
Gasket	U4805-0010		U4805-0012		A191502	
Clamp	U4804-0014		U4804-0016		A246391	

FLAT FLANGE STYLE (VACTOR, VAC-CON, ETC.)

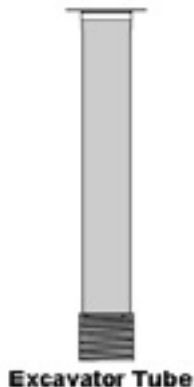
Intake (Crown) Tube



Extension Tube



Fluidizer Tube



Excavator Tube

LENGTH	6 INCH DIAMETER		8 INCH DIAMETER	
	INTAKE	EXTENSION	INTAKE	EXTENSION
3 ft.				A381881
4 ft.	A381846			A381880
6 ft.			A381848	A381673
6' 10"			A381674	
7 ft.		A381845		A382565
8 ft.				A381672
Fluidizer	A381847 (3')		A381844 (3'), A381853 (6')	
Excavator			A382810 (6' 10")	
Clamp	A381850		A381675	
Gasket	A381851		A381676	

ADAPTERS

3" Flat Flange Style Hose Shank	A381677
3" Female Aquatech to 3" Flat Flg. Adapter	A381998
3" Flat Flg. to 3" Male Aquatech Adapter	A171313
3" Female Aquatech to 3" Female Ringlock	A383272
3" Female Aquatech to 3" Male Ringlock	A382259

ALL ALLUMINUM FLAT FLANGE

LENGTH	8 INCH DIAMETER	
	INTAKE	EXTENSION
3 ft.		A249033
4 ft.		A249032-4
5 ft.		A249032
8 ft.		A249031
Fluidizer	A249034 (3')	

NOZZLES

STANDARD FLUSHER NOZZLES

Designed for flushing material back to the trap.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT Size
J-1003	30°	6	0	35	2000	3/4"
J-1009	30°	6	1	35	2000	3/4"
J-1015	30°	6	0	65	2000	1"
J-1021	30°	6	1	65	2000	1"
A130201	35°	6	0	65	2000	1"
J-1030	15°/30°	12	0	65	2000	1"

STANDARD THRUST NOZZLES

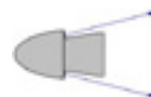
Designed to create fast acceleration and long runs in small and medium sized pipes.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130050	15°	6	0	35	1850	3/4"
J-1019	15°	6	1	65	2000	1"

RADIAL THRUST NOZZLES

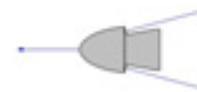
Designed to create fast acceleration and long runs in small and medium sized pipes.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136425	15°	6	0	15	3000	3/4"
A136015	15°	6	0	35	2000	3/4"
A136048	15°	6	0	35	2500	3/4"
A136046	15°	6	0	44	3000	3/4"
A136051	15°	6	0	45	2000	3/4"
A249109	15°	6	0	45	2500	3/4"
A136421	15°	6	0	65	2000	3/4"
A136430	15°	6	0	45	2500	1"
A136001	15°	6	0	60	2000	1"
A136000	15°	6	0	65	2000	1"
J-1143	18°	6	0	65	2000	1"
A136423	15°	6	0	65	2500	1"
A249085	15°	6	0	65	2500	1"
J-1151	18°	5	0	80	2000	1"
A136002	15°	6	0	80	2000	1"
A136023	15°	6	0	80	2500	1"
A249096	15°	6	0	85	2000	1"
A136007-1	15°	6	0	100	2000	1"
A136063	15°	6	0	80	2000	1-1/4"
A136003	15°	6	0	100	2000	1-1/4"
A100190	15°	6	0	125	2000	1-1/4"

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

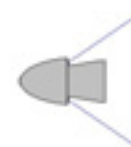
NOZZLES



PENETRATING RADIAL THRUST NOZZLES

Radial Nozzles with a forward jet to break up blockages ahead of nozzle.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
341840PE	25°	6	1	18	4000	3/4"
343020PE	25°	6	1	30	2000	3/4"
343030PE	25°	6	1	30	3000	3/4"
344020PE	25°	6	1	40	2000	3/4"
344030PE	25°	6	1	40	3000	3/4"
J-1147	18°	6	1	65	2000	1"
018020PE	25°	6	1	80	2000	1"



RADIAL FLUSHER NOZZLES

Designed for general cleaning application in small and medium sized pipes.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136426	35°	6	0	15	3000	3/4"
341840FL	35°	6	0	18	4000	3/4"
343020FL	35°	6	0	30	2000	3/4"
343030FL	35°	6	0	30	3000	3/4"
A136020	35°	6	0	35	2000	3/4"
A136049	35°	6	0	35	2500	3/4"
344020FL	35°	6	0	40	2000	3/4"
344030FL	35°	6	0	40	3000	3/4"
A136047	35°	6	0	44	3000	3/4"
A136052	35°	6	0	45	2000	3/4"
A249108	35°	6	0	45	2500	3/4"
A136422	35°	6	0	65	2000	3/4"
A136431	35°	6	0	45	2500	1"
J-1145	30°	6	0	65	2000	1"
A136005	35°	6	0	65	2000	1"
A136424	35°	6	0	65	2500	1"
A249086	35°	6	0	65	2500	1"
J-1153	30°	5	0	80	2000	1"
A136007	35°	6	0	80	2000	1"
A136024	35°	6	0	80	2500	1"
A249097	35°	6	0	85	2000	1"
A136059	35°	6	0	80	2000	1-1/4"
A136008	35°	6	0	100	2000	1-1/4"
A100191	35°	6	0	125	2000	1-1/4"

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

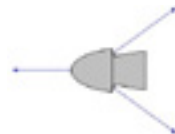
NOZZLES

PENETRATING RADIAL FLUSHER NOZZLES

Radial Nozzles with a forward jet to break up blockages ahead of the nozzle.

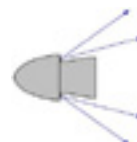
PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
343520PE	30°	6	1	35	2000	3/4"
015030RNPE	35°	6	1	50	3000	1"
J-1138 *	30°	6	1	55	2000	1"
J-1141	30°	6	1	65	2000	1"

*Short Profile Nozzle



RADIAL DEGREASER/DEICER NOZZLE

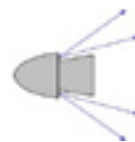
PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
344020DE	35°	6	3 @ 10°	40	2000	3/4"



RADIAL VORTEX (MONSTER) NOZZLES

Vortex dual degree incorporates powerful thrust and wide angle cleaning into one nozzle. For general cleaning applications in small and medium sized pipes.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136025	15°/35°	6	0	35 - 40	1800 - 2200	3/4"
343030RNMO	25°/45°	8	0	30	3000	3/4"
344020RNMO	25°/45°	8	0	40	2000	3/4"
A136010	15°/35°	6	0	55 - 65	1800 - 2200	1"
A136011	15°/35°	6	0	80 - 90	1800 - 2200	1"
A136012	15°/35°	6	0	100 - 120	1800 - 2200	1-1/4"

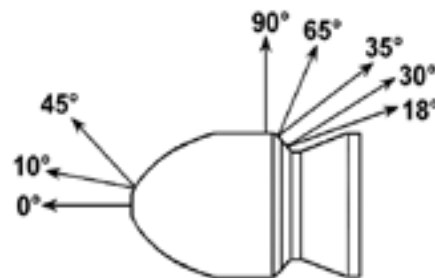


RADIAL VORTEX (MONSTER) NOZZLES

Dual degree design with forward firing jet.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1132	18°/24°	6	1	35	2000	3/4"
J-1149	18°/24°	6	1	55	2000	1"
J-1140	18°/24°	6	1	65	2000	1"

Custom drilled Radial Nose (RN) nozzles are available to meet your specifications. They are designed to accommodate a range of spray angles from 18° for high thrusting power up to 65° for flushing action. Side wall jets of 90° are possible, as well as forward jets from 0° to 45°. 6 to 12 rear jets, 0 to 3 forward. Made of heat treated 416 Stainless Steel. Note: Custom drilled nozzles are not returnable.



NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

NOZZLES

GREASE REMOVER NOZZLES

Features more rear jets than a standard Radial nozzle, making it excellent for removing grease and detergent from the pipe wall.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130196	35°	12	0	25	4000	3/4"
A130195	35°	12	0	65	2000	1"

IMPACTOR NOZZLES

Designed for completely blocked or heavily fouled pipes.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
344020IM	45°	6	4	40	2000	3/4"

SAND NOZZLES

Specially designed to lift and float difficult to move sand.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130168	30°	6	0	40	2000	3/4"
016020SN	30°	6	0	60	2000	1"
J-1144	12°	6	2 @ 90°	65	2000	1"
016520SN	30°	6	0	65	2000	1"
018020SN	30°	6	0	80	2000	1"

PENETRATOR NOZZLES



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1102	30°	5	0	35	2000	3/4"
J-1104	30°	5	0	65	2000	1"
J-1103	30°	5	1	65	2000	1"
J-1104-80	30°	5	0	80	2000	1"
J-1103-80	30°	5	1	80	2000	1"

GREASE REMOVER NOZZLES

Triangular shape allows for excellent penetration. Features three front faces with 15° orifices and a penetrating front tip orifice. Made of stainless steel. Used for cleaning calcium, dirt, grease, and soap build up. Also very effective for ice penetration and removal. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A135992	25°	6	4	35	2000	3/4"
A135993	25°	6	4	65	2000	1"

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

NOZZLES



SPEAR POINT NOZZLES

These nozzles feature rear jet angles for extremely quick acceleration up to the line.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1134	12°	6	1	35	2000	3/4"
J-1139	16°	6	1 (4 side)	35	2000	3/4"
J-1148	16°	6	0	65	2000	1"
J-1135	16°	6	1	65	2000	1"
J-1150	16°	6	1 (4 side)	65	2000	1"



RADIAL WITH LANCE TIP NOZZLES

These nozzles feature rear jet angles for extremely quick acceleration up to the line.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136120	15°	6	6	35	2000	3/4"
A136018	15°	6	6	65	2000	1"
A136019	35°	6	6	65	2000	1"



11° BAYONET NOZZLES

For penetrating grease and complete stoppage in lines up to 18". Six 90° cleaning orifices in the lance tip breaks up material and enlarges the hole. Orifices are replaceable.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130140	11°	6	6	35	2000	3/4"
A130350	11°	6	6	65	2000	1"
A130360	11°	6	6	80	2000	1"



11° THRUST NOZZLES

Lightweight, fast forward traveling nozzle. Used to thread lines for TV camera and breaking through tough blockages. 11° jet stream is directed rearward instead of against the pipewall, making this nozzle ideal for use in deteriorating concrete pipe. Optional front orifice can be added. Orifices are replaceable.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130130	11°	6	A131520	35	2000	3/4"
A130340	11°	6	A131520	65	2000	1"
A130341	11°	6	A131520	80	2000	1"

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

NOZZLES

ALUMINUM RAM NOZZLES

Ideal for quick penetration of grease and detergent build up. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1303	30°	6	0	35	2000	3/4"
J-1305	30°	6	0	65	2000	1"

PENETRATING ALUMINUM RAM NOZZLES

Aluminum ram nozzles with a forward jet for eroding complete blockages. Orifices are replaceable.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
344020IM	45°	6	4	40	2000	3/4"

ELLIPSE NOZZLES

This is the best long lasting nozzle made. Wear- Resistant high carbon steel construction. This smooth service nozzle will penetrate through blockages and is capable of being retrieved without binding on offset joints, broken pipes or tight bends. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136155	15°	6	1	35	2000	3/4"
A136150	15°	6	1	65	2000	1"
A136165	15°	6	1	65	2500	1"
A136151	15°	6	1	80	2000	1"

MISSILE NOZZLES

Two banks of rear propulsion orifices for increased thrust. Like having two high thrust radial nozzles with a skid built in between. Made of wear resistant high carbon steel.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130433	15°	12	0	65	2000	1"

NEW YORK MISSILE NOZZLE

Aerodynamic design and three 0° orifices provides full thrust. Forward jet penetrates blockages.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130438	0°	3	1	60	2000	1"

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

NOZZLES

ROTOR-JET POLISHER NOZZLES

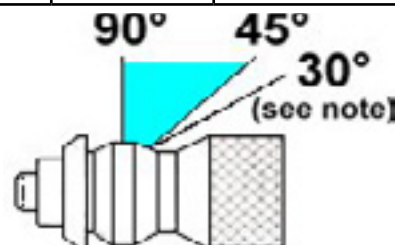
Revolving nozzle creates a sheet of water with 360 degrees of coverage for maximized wall cleaning. Typically used as a finishing tool to remove debris which might have been missed because of the spaces between jets on a fixed orifice nozzle.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
344020PO	30°	2	2 @ 90°	40	2000	3/4"

Custom drilled Rotor-Jet nozzles are available to meet your specifications. All Rotor-Jet can accommodate spray angles between 45° to 90°. NOTE: 1/2"NPT Rotor-Jets can accommodate a higher thrusting angle of 30°.

Pattern: 2 jets (one angle) or 4 jets (two angles) within available range. Made of Heat Treated 416 Stainless Steel. Note: Custom drilled nozzels are not returnable.



SPIN CLEAN NOZZLES

This stainless steel rotating nozzle scours the pipe wall loosening hard debris. Ideal for pipes with limestone and other mineral deposits. Centering skids are recommended to achieve the best cleaning action.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136065	30°	6	4 @ 90°	35	2000	3/4"
A136060	30°	6	4 @ 90°	65	2000	1"
A136062	30°	6	4 @ 90°	80	2000	1"

ROTATING MULTI-PURPOSE NOZZLES

With the lid mounted, this nozzle has the same characteristics of the Spin Clean nozzle. Removing the lid exposes four carbide cutting blades that will bore through hardened deposits such as calcium and cement. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136405	30°	6	4	65	2000	1"

ROTATING MULTIPURPOSE 3-IN-1 NOZZLES

These stainless steel rotating nozzles have interchangeable heads: spin clean, carbide cutter and steel alloy cutter. One tool for breaking through and cleaning completely clogged pipes. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136415	30°	6	4	35	2000	3/4"
A136420	30°	6	4	65	2000	1"

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

NOZZLES

CARBIDE CUTTER NOZZLES

Tungsten steel cutter blades set at 120° angle for drilling cement, calcium and other hard deposits. Centering skids are recommended.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136320	25°	6	5	35	2000	3/4"
A136130	25°	6	7	65	2000	1"

CONICAL DRILL NOZZLES

Designed to cut, drill and penetrate difficult obstructions in 3" and larger pipes. Centering skids are recommended. 60° carbide flutes can be re-sharpened.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136345	25°	6	6	35	2000	3/4"
A136135	25°	6	8	65	2000	1"

PROPELLER NOZZLES

Designed to cut through solid blockages and roots. Centering skids are recommended.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136105	25°	6 *	5	35	2000	3/4"
A136100	25°	6 *	5	60	2000	1"
A136102	25°	6 *	5	80	2000	1"

* Replaceable

ROTATING CHAIN NOZZLES

Chains rotate at a high speed removing roots and hard deposits, such as cement, calcium, paint, epoxy, and other accidental spills. Square profile chain made of high quality steel. Centering skids are recommended. Orifices are replaceable.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136240	20°	4	4	35	2000	3/4"
A136245	20°	6	6	65	2000	1"
A136244	20°	6	6	80	2000	1"
A136250	20°	6	6	65	2000	1-1/4"

Replacement Chains (3 required per nozzle)			Approximate Working Diameter	
Length	1/2" & 3/4"	1" & 1-1/4"	1/2" & 3/4"	1" & 1-1/4"
6" Long	A136241 *	N/A	4" to 6"	
8" Long	A136248	A136242 *	6" to 8"	6" to 10"
12" Long	TBA	TBA	8" to 12"	10" - 14"
16" Long	N/A	A136246		14" to 18"
20" Long	N/A	TBA		18" to 22"
36" Long	A136241-6	A136242-6	Bulk Replacement Chain	

* Standard length supplied with nozzle.



A NOTE ABOUT ALL OF OUR ROTATING NOZZLES: In order to extend the life of these nozzles, we recommend submerging them in lubricating oil after each use.

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

NOZZLES

AQUATECH™ STORM NOZZLES

25% more cleaning surface. Large diameter places water closer to the pipe wall. Most efficient for grease, detergent, and removal of large volumes of sand in sanitary sewers and drains. For pipes 8" to 36" in diameter. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130150	35°	8	A131543	35	2000	3/4"
A130380	35°	8	A131543	65	2000	1"
A130382	35°	8	A131543	80	2000	1"
A130386	35°	8	A131543	80	2000	1-1/4"
A130383	35°	8	A131543	100	2000	1-1/4"

STORM VORTEX NOZZLES

Combines good forward propulsion while affording wide angle cleaning.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130150	35°	8	A131543	35	2000	3/4"
A130380	35°	8	A131543	65	2000	1"
A130382	35°	8	A131543	80	2000	1"
A130386	35°	8	A131543	80	2000	1-1/4"
A130383	35°	8	A131543	100	2000	1-1/4"

* Replaceable

O'BRIEN™ GANG NOZZLES

For general cleaning in larger pipes. Aluminum body with replaceable orifices.

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1201	30°	5	0	35	2000	3/4"
J-1211	30°	8	0	65	2000	1"

PENETRATING GANG NOZZLES

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1203	30°	8	1	35	2000	3/4"
J-1209	30°	8	1	65	2000	1"

PENETRATING VORTEX GANG NOZZLES

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1401	15°/30°	16	1	35	2000	3/4"
J-1403	15°/30°	16	1	65	2000	1"

A NOTE ABOUT ALL OF OUR ROTATING NOZZLES: In order to extend the life of these nozzles, we recommend submerging them in lubricating oil after each use.

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

NOZZLES

DOUBLE STORM NOZZLES

The water from the leading set of orifices dislodges debris accumulations while the trailing set flushes the debris back to the manhole. Ideal for the rapid cleaning of medium and large pipes. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130420	35°	16	A131543	65	2000	1"
A130422	35°	16	A131543	80	2000	1"
A130421	35°	16	A131543	100	2000	1-1/4"

TANDEM GANG NOZZLES

These O'Brien tandem nozzles work on the same principle as the Aquatech Double Storm nozzles. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1205	30°	16	0	35	2000	3/4"
J-1213	30°	16	0	65	2000	1"

PENETRATING TANDEM GANG NOZZLES

PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1207	30°	16	1	35	2000	3/4"
J-1215	30°	16	1	65	2000	1"

TADPOLE NOZZLES

Our best all around cleaning nozzle for 8" and larger pipes. Highly effective for removing grease from the pipe wall. Removes standing water. Carbide orifices are replaceable. Steel construction with spring steel skid wires.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136105	25°	6 *	5	35	2000	3/4"
A136100	25°	6 *	5	60	2000	1"
A136102	25°	6 *	5	80	2000	1"

A NOTE ABOUT ALL OF OUR ROTATING NOZZLES: In order to extend the life of these nozzles, we recommend submerging them in lubricating oil after each use.

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

NOZZLES

O'BRIEN™ TORPEDO NOZZLES

The O'Brien torpedo's heavy weight (55 lbs.) keeps it along the base of the line. This, combined with its large diameter (5 1/2") makes it ideal for flushing sand and debris in large culverts. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
J-1450-A	30°	8	0	35	2000	3/4"
J-1450	30°	8	0	65	2000	1"

AQUATECH™ TORPEDO NOZZLES

This bottom cleaning nozzle features, a towing eye, replaceable orifices, 360° rotating swivel to prevent hose from turning the nozzle, and a smooth hardened surface to allow the nozzle to glide over sand and debris. 4" diameter, 24 lbs. approx.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136185	35°	4	0	35	2000	3/4"
A136180	35°	4	0	65	2000	1"
A136187	35°	4	0	80	2000	1"
A136195	35°	4	0	100	2000	1-1/4"

STINGRAY NOZZLES

Simply the best. The most efficient nozzle ever developed for cleaning 18" and larger diameter pipe. Weighted and balanced to ride evenly in the bottom of the pipe. Hose swivel and rollover bar virtually eliminate flip over. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A136215	11°/18°/45°	6	0	35	2000	3/4"
A136210	11°/18°/45°	6	0	65	2000	1"
A136230	11°/18°/45°	6	0	70	2900	1"
A136220	11°/18°/45°	6	0	80	2000	1"
A136225	11°/18°/45°	6	0	80	2500	1"

CULVERT NOZZLES

Made of rugged heat-treated aluminum alloy. The weight can be adjusted by adding sand or lead shot into a hollow cavity at the bottom of the nozzle. A tow eye is cast into the front and a hose swivel is included. Orifices are replaceable.



PART NO.	PROP. ANGLE	REAR JETS	FWD. JETS	GPM	PSI	NPT SIZE
A130426	11°/18°/35°	6	0	35	2000	3/4"
A130425	11°/18°/35°	6	0	65	2000	1"
A130428	11°/18°/35°	6	0	80	2000	1"
A130427	11°/18°/35°	6	0	80	2500	1"
A130429	11°/18°/35°	6	0	100	2000	1-1/4"

A NOTE ABOUT ALL OF OUR ROTATING NOZZLES: In order to extend the life of these nozzles, we recommend submerging them in lubricating oil after each use.

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

NOZZLES ACCESSORIES



- △ **Nozzle Orifice Cleaning Kit**
J-1850
Cleans out nozzle orifices to maintain nozzle performance and specification.



- △ **Nozzle Extensions**
Prevents the sewer hose from reversing direction in larger pipes. Also prevents nozzle from entering a lateral pipe. Helps reduce wear on sewer hose.

PART NO.	LENGTH	NPT SIZE
A130004	12"	3/4"
A130001	12"	1"
A130002	12"	1-1/4"

Nozzle Guards (Centering Skids)

Centers nozzle in the pipe. Maximizes cleaning efficiency for any nozzle that sprays in a 360° (radial) pattern. Cuts nozzle wear by 50%. A must for all rotating nozzles. Female NPT on the inlet end for the hose and male NPT on the outlet end for the nozzle.



PART NO.	FOR PIPE SIZES	NPT SIZE
J-40-5	5" - 7"	3/4"
A130014	6" - 8"	3/4"
A130024	10" - 12"	3/4"
A130034	15" - 21"	3/4"
J-40-6	5" - 7"	1"

A Style



PART NO.	FOR PIPE SIZES	NPT SIZE
A130010	6" - 8"	1"
A130020	10" - 12"	1"
A130030	15" - 21"	1"
A130011	6" - 8"	1-1/4"
A130021	10" - 12"	1-1/4"
A130031	15" - 21"	1-1/4"

Questions?

Call a Parts expert at
1-800-752-2400 or
740-374-2306
for help with any parts or
accessories related question.

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

ROOT CUTTERS



AQUATECH™ ROOT CUTTER KITS

Complete kit consists of the high-torque motor, cutter blade chuck, expandable high-tensile spring cutter blades and skids for 6" through 12" pipe. Comes complete with carrying case.

PART NO.	GPM	PSI	NPT SIZE
A130461	35 - 40	1800 - 2200	3/4"
A130460	55 - 65	1800 - 2200	1"
A130452	80 - 90	1800 - 2200	1"

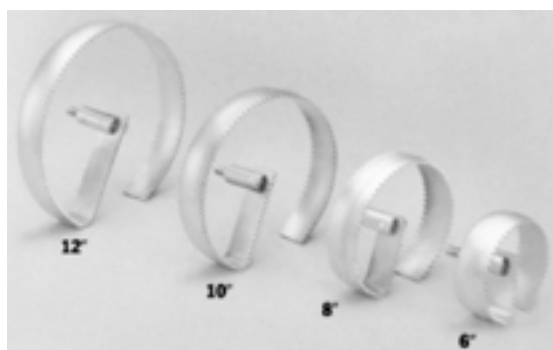


A131080
Cutter Blade Chuck
(for Aquatech Root Cutter)

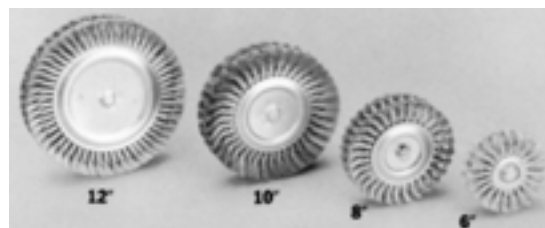
PIPE SIZE	REPLACEMENT		OPTIONAL ^{1 2}	
	CUTTER BLADES (3 REQUIRED)	SKIDS (4 REQUIRED)	SAWS	BRUSHES
6"	A131010	A239909	A130500	A130470
8"	A131020	A239922	A130510	A130471
10"	A131030	A239924	A130520	A130472
12"	A131040	A239926	A130530	A130473
15"	A131050 ¹	A239927 *	A130535	A130474

¹ Not included in Root Cutter Kit

² Attaches to A131080 or J-7000 cutter blade chuck



Optional Saws: Heavy duty, high tensile spring steel, full circle design. Spiral saw cutters have teeth on both sides of blade to allow cutting going in and coming back. Concave shape extends tooth life. Attaches to cutter blade chuck.



Optional Steel Brushes: Made of dual row twisted high density steel wire. For cleaning hair roots, grease, detergent, calcium, paint and corrosion from pipe walls. Attaches to cutter blade chuck.

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

ROOT CUTTERS



O'BRIEN™ ROOT CUTTER KITS

Powered by the jetter's water pressure, these fierce root cutters spin at extremely high torque. Kits include tool box and all necessary hardware.

PART NO.	GPM	PSI	NPT SIZE	SAWS & SKIDS INCLUDED
J-1469-34	35 - 50	900-1400*	3/4"	4", 6", 8" & 10" (concave saws)
J-1470-34	35 - 50	900-1400*	3/4"	4", 6", 8" & 10" (flat saws)
J-1469	50 - 80	900-1400*	1"	4", 6", 8" & 10" (concave saws)
J-1470	50 - 80	900-1400*	1"	4", 6", 8" & 10" (flat saws)
J-3201	65	2000	1"	6", 8" & 10" (concave saws)
J-3201-XB	65	2000	1"	6", 8" & 10" (expandable cutter blades)
J-3203	65	2000	1"	6", 8", 10" & 12" (concave saws)
J-3200	65	2000	1"	6", 8", 10", 12" & 15" (concave saws)

* Provides the best cutting performance between 900 and 1400 PSI (700 RPM @ 575 in. lbs. torque.)

Replacement & Optional Skids

Replacement & Optional Skids

Pipe Size	J-1600 Series	J-3200 Series	Flat	Concave	Tapered
3"			M-1003		
4"			M-1004	M-2004	M-3004
6"	J-15 & J16	J-3206	M-1006	M-2006	M-3006
8"	J-17 (2 req)	J-3208	M-1008	M-2008	M-3008
10"	J-19 (2 req)	J-3210	M-1010	M-2010	M-3010
12"	J-21 (2 req)	J-3212	M-1012	M-2012	M-3012
15"	J-23 (2 req)	J-3215	M-1015	M-2015	M-3015
18"		J-3218	M-1018	M-2018	M-3018

* The J-1600 Series was replaced by the J-3200 Series. Parts are still available.



◁ Chuck
J-7000

For use with Aquatech Expandable Cutter
Blades on J-3200 Series Root Cutters.

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

HOSES

LEADER HOSES


Most of the wear on a sewer cleaning hose occurs on the first several feet working through the sewer. By adding a leader hose one can extend the life of the main roll of hose. Female fitting on hose end to male fitting on nozzle end.



PART NO.	NPT SIZE	LENGTH	MAX WORKING	COVER MATERIAL	STOCKING STATUS
J-1931	3/4"	10'	2500 psi	Thermoplastic	Call for Availability
A176105	3/4"	10'	3000 psi	Rubber	Special Order
J-1905	3/4"	20'	2500 psi	Rubber	Normally Stocked
A176106	3/4"	20'	3000 psi	Rubber	Special Order
A249253	3/4"	25'	3000 psi	Rubber	Special Order
J-1919	1"	3'		Rubber	Call for Availability
J-1923	1"	4'		Rubber	Special Order
J-1933	1"	10'	2500 psi	Thermoplastic	Call for Availability
A176100	1"	10'	2000 psi	Rubber	Normally Stocked
A176107	1"	15'	2000 psi	Rubber	Call for Availability
A176110	1"	20'	2000 psi	Rubber	Normally Stocked
J-1934	1"	25'	2500 psi	Thermoplastic	Normally Stocked
A176115	1"	25'	2000 psi	Rubber	Call for Availability
A176104	1"	30'	2000 psi	Rubber	Special Order
A176101	1-1/4"	10'	2000 psi	Rubber	Special Order
A176102	1-1/4"	20'	2000 psi	Rubber	Special Order
A176103	1-1/4"	25'	2000 psi	Rubber	Special Order

SEWER HOSE SWAGE FITTINGS

These swage fittings are specifically designed for the sewer hose we sell. **Note:** Manufacturer's swaging equipment required to install these ends. Use of other fittings and equipment is at users own risk. Due to the higher pressures involved with 3/8" and smaller hoses, the manufacturer does not supply replacement fittings.



	3/4" 2500 PSI HOSE	1" 2500 PSI HOSE	1 1/4" 2500 PSI HOSE
Male End	A170040	A170020	A381705
Female End	J-1940-4	J-1941-4	TBA
Mender	A170035	A170030	A381706

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

HOSES

SEWER CLEANING HOSES

Constructed from materials selected to provide rugged and reliable service under even the most severe and demanding conditions found in high pressure sewer cleaning.

These sewer cleaning hoses are constructed with a polyolefin tube which provides maximum resistance to the hydrolysis commonly associated with other thermoplastic tube materials. Reinforcement with high tensile polyester fiber contributes to an exceptionally low volumetric expansion rate and eliminates loss of strength from moisture absorption.

A polyether-urethane cover provides exceptional cut, abrasion and fungus resistance. And, lastly, all components are bonded together to maximize fitting retention and wear resistance, and to provide smaller minimum bend radii.

SIZE	3/4"	3/4"	1"	1"	1 1/4"
Ends	3/4" MNPT x 3/4" MNPT	3/4" MNPT x 3/4" MNPT	1" MNPT x 1" MNPT	1" MNPT x 1" MNPT	1-1/4" MNPT x 1-1/4" MNPT
Press.	2500 PSI	3000 PSI	2500 PSI	3000 PSI	2500 PSI
Color	ORANGE		ORANGE		ORANGE
100'	A175150-10	J-1943-100P	A175211		
150'	available		available		
200'	A175150-11		A175213		available
250'	J-1940-250P		available		available
300'	A175150-12		A175221		available
400'	A175150-21	A175150-21-3000	A175231	A175233	A175281
500'	A175150-22	A175150-22-3000	A175241	A175241-3000	A175282
600'	A175150-23	A175150-23-3000	A175252	A175252-3000	A175283
700'	A175150-24	A175150-24-3000	A175261		available
750'	J-1940-750P		available		available
800'	A175150-25	A175150-25-3000	A175271	A175271-3000	available
1000'	J-1940-1000P		J-1941-1000P		A381626



TRAP HOSES

Designed for cleaning.

PART NO.	HOSE SIZE	HOSE LENGTH	NPT HOSE ENDS	HOSE PSI
15031-50	1/8"	50'	1/8"M x 1/8"M	4000
15031-100	1/8"	100'	1/8"M x 1/8"M	4000



TRAP HOSES KITS

Trap hose with nozzle.

PART NO.	HOSE SIZE	HOSE LENGTH	NPT HOSE ENDS	HOSE PSI	NOZZLE	NPT ADAPTER
OBJ-1723K	1/8"	25'	1/8"M x 1/8"M	4000	1/8" 4gpm	1/8"F to 1/4"F
OBJ-1722K	3/16"	75'	1/4"M x 1/8"M	4000	1/8" 4gpm	3/8"F to 1/4"F
A136260	1/4"	65'	1/4"FS x 1/8"M	5800	1/8" 3-20gpm	None

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

ACCESSORIES

SWIVEL UNIONS

Female pipe to female pipe swivel unions for joining two sections of hoses together.



HOSE SIZE	3/16" HOSE	1/4" HOSE	3/8" HOSE	1/2" HOSE	3/4" HOSE	1" HOSE
Part Number	9255X2X2	9255X4X4	9255X6X6	A381980	A338105	A130690

STEP DOWN SWIVEL UNIONS

For joining a smaller size sewer hose to a larger size. For attaching lateral line kits, pressure wands, etc. **Note:** Do not to exceed the pressure rating of your unit.



HOSE SIZE	1/2" TO 3/8"	3/4" TO 1/2"	1" TO 3/4"
Part Number	9255X8X6	9255X8X12	A249058

"LIVE" SWIVELS

Allows attachments to swivel freely without twisting the hose. Male pipe to female pipe swivel union.



HOSE SIZE	3/4" HOSE	1" HOSE
Part Number	A130848	A130849

LATERAL LINE KITS

OBJ-1724K
OBJ-40027A
OBJ-40028A



J-2432
J-2432-2
J-2434
J-2434A
J-2434-200
J-2436
J-241230



A249485



A249182

PART NO.	INLET SIZE	HOSE SIZE	HOSE LENGTH	MAX PSI	NOZZLE(S)	CONTROL
OBJ-1724K	3/8"FNPTS	3/8"	150' TP	3000 (reel)	none	OBJ-20027B +
J-2432	*	3/8"	150' TP	3000 (reel)	two 3/8" 10gpm	none
J-2436	*	3/8"	150' TP	3000 (reel)	two 3/8" 10gpm	3/8" Ball Valve
J-2432-2	*	3/8"	200' TP	3000 (reel)	two 3/8" 10gpm	3/8" Ball Valve
OBJ-40027A	1/2"FNPTS	3/8"	150' TP	3000 (reel)	two 3/8" 10gpm	OBJ-20027A +
OBJ-40028A	1/2"FNPTS	3/8"	200' TP	3000 (reel)	two 3/8" 5gpm	OBJ-20027A +
A249485	1/2"FNPT	1/2"	150' RU	4000 (hose)	1/2" 20gpm Ellipse	A249183 +
A249182	1/2"FNPT	1/2"	150' RU	3000 (reel)	1/2" 20gpm Ellipse	A249183 +
A249182-200TP	1/2"FNPT	1/2"	200' TP	3000 (reel)	1/2" 20gpm Ellipse	A249183 +
J-241230	*	1/2"	150' TP	3000 (reel)	two 1/2" 30gpm	1/2" Ball Valve
J-2434	3/4"FNPT	1/2"	150' TP	3000 (reel)	two 1/2" 40gpm	3/4" Ball Valve
J-2434-200	3/4"FNPT	1/2"	200' TP	3000 (reel)	two 1/2" 40gpm	3/4" Ball Valve
J-2434A	1"FNPT	1/2"	150' TP	3000 (reel)	two 1/2" 60gpm	1/2" Ball Valve

* 3/8" Female Hand Gun Quick Connector

Outer Jacket: TP Thermoplastic RC= Rubber

+ Foot Control - (see next page)

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

ACCESSORIES

FOOT CONTROLS

For auxiliary hose reels and later line kits.



A Style



OBJ Style

PART NO.	INLET NPT	OUTLET NPT	OUTLET HOSE	MAX PSI
A249183	1/2" F	1/2" F	none	10000
OBJ-20027	1/4" F	1/4" F	none	5000
OBJ-20027A	1/2" FS	3/8" MS *	3'	5000
OBJ-20027B	3/8" FS	3/8" MS *	3'	5000

AUXILIARY HOSE REELS

30027-2
A130560
A249184



30027-14
30027A
30027B (no hose)



OB40027A
OB40028A



PART NO.	HOSE SIZE	REEL CAPACITY	SPOOL WIDTH	HOSE	MAX PSI
30027-14	1/4"	200'	6"	1/4" x 150'	2750 (hose)
30027A	3/8"	150'	6"	3/8" x 150'	3000 (reel)
OB40027A	3/8"	150'	6"	3/8" x 150'	3000 (reel)
30027B	3/8"	150'	6"	none	3000 (reel)
30027-2 (black) A130560 (red)	1/4" *	200'	6"	none	3000 (reel)
	3/8" **	150'			
	1/2"	100'			
OB40028A	3/8"	300'	12"	3/8" x 200'	3000 (reel)
A249184	1/4" *	400'	12"	none	3000 (reel)
	3/8" **	300'			
	1/2"	200'			

* A133640 1/2" x 1/4" Reducer Bushing Required

** A133650 1/2" x 3/8" Reducer Bushing required

FLEXIBLE HOSE GUIDES (TIGER TAILS)

Protects the sewer cleaning hose from chafing against the edge of the pipe inside a manhole. Includes a rope for lower and securing the guide thus eliminating the need to enter the manhole.

PART NO.	I.D.	LENGTH	ROPE LENGTH
J-2203	3"	36"	25'
J-2205	3"	42"	25'
A234937	3"	42.5"	no rope
A235006	3"	42.5"	20'
J-2206	4"	36"	25'



NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

ACCESSORIES



△ Top Manhole Roller A220120

Width 16.5" Length 34.5"
Used when manholes are not in line with the reel.
Protects hose from scuffing and allows hose to glide over manhole edge.



△ Top Manhole Roller J-2401

Width 12" Length 38"
Used when manholes are not in line with the reel.
Protects hose from scuffing and allows hose to glide over manhole edge.



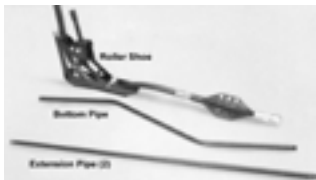
△ Manhole Safety Covers

2023: 20" to 23"

2326: 23" to 26"

2630: 26" to 30"

The wire grid safely covers the manhole but still allows for good visibility below. Bolts on the rim allow for adjustment to the specified diameters.



△ Bottom Manhole Roller

A239183: Roller shoe and pipes (15' reach)

A235259: Roller shoe only

Secures in place from the surface. Pipes are used to lower and to hold the roller shoe in place. NOTE: Nozzle, nozzle guard & jetter hose shown for illustration purposes only.



△ Fill Hose

A176150: 2-1/2" x 25'

A176154: 2-1/2" x 50'



△ Fill Pipe Coupler

A140090: 2" FNPT flange adapter

A140080: 2.5" brass swivel nut w/gasket

A190830: Gasket only



△ Manhole Hooks

A221800

29" w/Perpendicular
T-Handle



△ Hydrant Wrench

A220330



△ Manhole Grapple Tong

A238061

98" Overall length.

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

ACCESSORIES



◁ Catch Basin Cleaner

A220040: 6 foot

A220050: 8 foot

A220060: 10 foot

A220070: 12 foot

A220080: 15 foot

For cleaning debris out of catch basins.

Will pick up large objects like bricks, stones and wet leaves. The over-center lever mechanism locks the jaws during lifting to prevent dropping the load.



◁ Basin Scraper

A220082

Scraper with 6' Handle.



△ Manhole Debris Grabber

OBJ-299

5'-15' Telescoping.



△ Manhole Traps

A220010: Small (6" to 8")

A220020: Medium (10" to 12")

A220010: Large (15" to 18")

Inserts into downstream side of pipe in manholes. Prevents solids and debris from entering pipe while allowing water to overflow downstream while jetting the opposite pipe. Loop provided to attach rope.



△ Grit Catchers

OB00016A: 6" Grit Catcher

OB00018A: 8" Grit Catcher

Inserts into the manhole opposite the hose entrance. Remove cobble and other debris before it's carried further downstream. 3/4"NPT pipe fitting on a swivel bracket for attaching pipe to lower grit catcher.



△ Portable Gas Powered Water Pump

MCPH

System includes:

1" Suction Hose

Suction Strainer

Garden Hose Adapter

Spark Plug Tool

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

ACCESSORIES



△ **Safety Cones**

PART NO.	HEIGHT	COLOR	TRAFFIC SPEED	NIGHT USE	DESCRIPTION
A225004	18"	Orange	≤ 40 mph	No	Plain
A225004-1	18"	Lime	Pedestrian		Plain
A225005	28"	Orange	≥ 45 mph	No	Plain
A225005-36	36"	Orange	≥ 45 mph	Yes	2 Reflective Stripes
A225006	36"	Orange	≥ 45 mph	Yes	Reflective Chevron Stripes



△ **4" Tube Handle**
02-7219-CS

Prevents vacuum tubes from falling into manhole while adding an additional extension tube.

8" Manhole Tube Support
A238083



△ **Vacuum Tube Handle**

A244262: 6"
A244263: 8"

Adds handles to vacuum tube to allow operator to have complete control of the suction tubes.



△ **Basin Lance Agitator Nozzle**
A238061

For loosening solids in catch basins while vacuuming up the debris. 800psi max.



△ **8" Flat Flange Hose Shank Adapter**
A381677

ADAPTERS	
A381677	8" Female Aquatech to 8" Flat Flange Adapter
A171313	8" Flat Aquatech to 8" Male Aquatech Adapter
A383272	8" Female Aquatech to 8" Female Ringlock Adapter
A383259	8" Female Aquatech to 8" Male Ringlock Adapter

NOTE: Designs and specifications are subject to change without notice. Pictures may not be exact.

RECOMMENDED SPARE PARTS

PART NO.	DESCRIPTION
A110000-3	Filter Element for A110000 Hydraulic Reservoir
A110336	Pneumatic Foot Pedals
A110516	Spin-On Hydraulic Filter Element
A111370	Silicone Base Grease f/General Water Pumps
A120610	Switch, Push Button w/Boot
A120861-2	SPDT, On-Off-On, Momentary Toggle Switch
A120861-3	SPDT, On-On Toggle Switch, 3 Screw Terminals
A121735	Weather Boot for Panel Toggle Switches
A130727-1-KIT	Re-packing Kit for 1¼" reel swivel (130727-1)
A130920	1" 3-Way Ball Valve
A130922	Replacement Offset Handle for 3 Way Ball Valve
A131765	Vacuum/Pressure Gauge, 30"hg to 15psi
A131786	Water Pressure Gauge, 0 to 5000psi
A152630	2" Alum. Roller - Levelwind, Manhole Roller
A152730	Replacement Handle for 4" & 6" Gate Valve
A152890	Sight Glass for Debris Tank
A153012	Rubber Gasket for 152890 Sight Glass
A176794	6" Uni-Seal for Poly Tank Inter-Connect
A190630	O-Ring for 3" Female Coupler (rear drain)
A191080	O-Ring for 8" Female Coupler (vac. tubes)
A191100	Debris Tank Rear Door Gasket - 18.5'L
A215519-F1138	Plunger Seal Kit f/MSS55 (services 3 plungers)
A240034	Lid Gasket, for A380820 3" Y-Strainer
A246185	2"OD x 1" Rubber Bumper for Hose Reel
A380131	Emergency Stop Switch
A383754-E	High Pressure Hydraulic Filter Element
A383767	Inline "Last Chance" Hydraulic Filter

* Used on models built since 2009



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