

## Yamada Pumps



100381

**Air-powered double diaphragm pump, "Reliable Performance Since 1905".** The answer to difficult product transfer problems. Air-drive allows freedom from electrical hazards or explosion-proof motor requirements. Choose from various wetted-parts materials to customize the pump to the chemical being pumped. YAMADA's smaller pumps are often used for pumping car wash chemical for 'low-pressure' functions. The 1/2" pump is also ideal for rapidly pumping oil, soap, etc., from 55 gallon barrels. Larger pumps are used for high volume product transfer. Since all pumps are designed without rotating parts, they can also handle abrasive liquids such as ceramic slip, sand slurry, or enamel frit without damage. **Have a unique challenge? Call us for help!**

- Environmentally-friendly non-lube air valve
- Automatic Start/Stop
- Infinitely variable flow control regulated by opening or closing discharge side valve and/or fluctuating air supply.
- Non-stalling air valve – positive switching every stroke and won't ice up
- Outside accessible air valve – easy inspection and maintenance
- Bolted flange connections – leak-free and easy maintenance
- Built-in abrasion- and chemical-resistance
- Virgin diaphragm materials last twice as long as other pumps
- 100 PSI
- 180° F
- 1/4" model delivers 3.4 GPM with 20 – 100 PSI drive air
- 1/2" models deliver 15 GPM with 20 – 100 PSI drive air
- 3/4" models deliver 19.5 to 27.3 GPM with 20 – 100 PSI drive air
- 1" models deliver 35.7 to 48.3 GPM with 20 – 100 PSI drive air



100384

Part No.	Orig. No.	Intake & Discharge	Air Inlet w/ball valve	Air Exhaust w/B-1 muffled	Pump Body	Diaphragm Material	Max Flow @ 100 PSI	Max Solid
8.702-180.0	100381	1/4" FPT	1/4" FPT	3/8" FPT	Poly	Teflon®	3.4 GPM	N/A
8.702-181.0	100382	1/4" FPT	1/4" FPT	3/8" FPT	Kyn	Teflon®	3 GPM	N/A
8.702-200.0	100410	3/8" FPT	1/4" FPT	3/8" FPT	Poly	Teflon®	6 GPM	1/32"
8.702-201.0	100411	3/8" FPT	1/4" FPT	3/8" FPT	Poly	Santoprene®	6 GPM	1/32"
8.702-182.0	100383	1/2" FPT	1/4" FPT	3/8" FPT	Poly	Hytrel®	15 GPM	1/32"
8.702-183.0	100384	1/2" FPT	1/4" FPT	3/8" FPT	Poly	Santoprene®	15 GPM	1/32"
8.702-184.0	100385	1/2" FPT	1/4" FPT	3/8" FPT	Poly	Teflon®	15 GPM	1/32"
8.702-187.0	100391	3/4" FPT	1/4" FPT	3/4" FPT	Poly	Neoprene	27.3 GPM	1/16"
8.702-188.0	100392	3/4" FPT	1/4" FPT	3/4" FPT	Poly	Buna-N	27.3 GPM	1/16"
8.702-189.0	100393	3/4" FPT	1/4" FPT	3/4" FPT	Poly	Hytrel®	27.3 GPM	1/16"
8.702-190.0	100394	3/4" FPT	1/4" FPT	3/4" FPT	Poly	Teflon®	27.3 GPM	1/16"
8.702-191.0	100395	3/4" FPT	1/4" FPT	3/4" FPT	Alum	Buna-N	27.3 GPM	1/16"
8.702-192.0	100396	1" FPT	3/8" FPT*	3/4" FPT	Poly	Neoprene	48.3 GPM	3/16"
8.702-193.0	100397	1" FPT	3/8" FPT*	3/4" FPT	Poly	Hytrel®	48.3 GPM	3/16"
8.702-194.0	100398	1" FPT	3/8" FPT*	3/4" FPT	Poly	Teflon®	48.3 GPM	3/16"
8.702-195.0	100399	1" FPT	3/8" FPT*	3/4" FPT	Alum	Hytrel®	35.7 GPM	3/16"
8.702-202.0	100415	1-1/2" FPT	1/2" FPT*	3/4" FPT	Alum	Buna-N	116 GPM	9/32"

\*with air-cock instead of ball valve

## Diaphragm Kits for Yamada Pumps



To minimize downtime, Yamada pumps are designed for quick, trouble-free maintenance. Pump diaphragms, balls and seats can be replaced in 20 minutes or less and with little chance of leaks commonly associated with other diaphragm pumps.

- Kits include everything required for routine maintenance

Part No.	Orig. No.	Kit	Pump Size	Yamada Pump No.
8.703-277.0	105004	Teflon®	1/4"	100381
8.703-278.0	105006	Hytrel®	1/2"	100383
8.703-279.0	105008	Santoprene	1/2"	100384
8.703-281.0	105010	Teflon®	1/2"	100385
8.703-282.0	105012	Neoprene	3/4"	100391
8.703-283.0	105014	Buna-N	3/4"	100392

Part No.	Orig. No.	Kit	Pump Size	Yamada Pump No.
8.932-947.0	105018	Teflon®	3/4"	100394
8.703-284.0	105022	Neoprene	1"	100396
8.703-285.0	105024	Hytrel®	1"	100397
8.703-286.0	105026	Teflon®	1"	100398
8.703-320.0	105150	Buna	1-1/2"	100415

NOTE: Individual components (O-rings or diaphragms only, for example) also available; call for pricing & delivery.

## Air-Operated Pump

FLOJET

Twin Diaphragm, Self Priming, 7.0 GPM.



- Santoprene elastomers
- Dry air (or CO<sub>2</sub>) 20-120 PSI
- 7.0 GPM
- 120°F max liquid temperature
- Self-priming up to 15 feet
- Air (Gas) in & out, 1/4" barb
- Choice of 3/8" or 1/2" barb fluid in/out
- Automatic, on-demand Start & Stop
- Flow control via air (gas) pressure
- Common uses: Chemical Transfer & Dispensing Parts Washers Car Wash Systems

Part No.	Original No.	Description
8.702-321.0	100874	3/8" Pump (Santoprene)
8.702-322.0	100874A	3/8" Pump (Viton)
8.702-323.0	100875	1/2" Pump (Santoprene)
8.702-324.0	100875A	1/2" Pump (Viton)

## Air-Driven Pump

FLOJET

Twin Diaphragm, Self Priming, 1.9 GPM.



- Santoprene or Viton elastomers: Use Santoprene for soaps, Use Viton for butyls
- Dry air (or CO<sub>2</sub>) 20-80 PSI
- 1.9 GPM
- Chemical in & out, 3/8" barb
- Air (Gas) in & out, 1/4" barb
- Automatic, on-demand Start & Stop
- Control flow & pressure with air pressure

Part No.	Original No.	Description
8.702-320.0	100873	Pump (Santoprene)
8.702-319.0	100872	Pump (Viton)
8.700-387.0	075862	Diaphragm Kit (Santoprene)
8.700-388.0	075863	Valve Kit (Santoprene)
8.700-418.0	075907	Diaphragm Kit (Viton)
8.700-419.0	075908	Valve Kit (Viton)

## AP Vacuum Motors

AP



8.625-841.0



8.620-204.0



8.625-842.0

Part No.	Description
<b>2 Fan Stages, Bypass Motors</b>	
8.625-841.0	5.7" Diameter, 120V Double Ball Bearing Peripheral Discharge
8.620-204.0	Vault system Vac Motor: 120V Double Ball Bearings, Tangent Discharge
<b>3 Fan Stages, Bypass Motors</b>	
8.625-842.0	5.7" Diameter, 120V Double Ball Bearings Tangent Discharge

## Air Filter / Regulators



8.712-585.0



8.712-586.0

- Maintains and gauges pressure to, and therefore discharge pressure from air-driven diaphragm pumps
- Removes air line impurities to 5 microns
- 1/4" ports
- 125 PSI
- Pressure-relieving

Part No.	Original No.	Description
8.712-585.0	462280	Regulator Only
8.712-586.0	462285	Filter/Regulator
8.712-587.0	462290	Gauge, 0 -1 60, 1/8"

## Foam Brush & Accessories



### Foam Brush Head

3" x 10" Supersoft flagged bristle fountain brush. Choose from Black or Blue, Black is standard.

**If no suffix is used, black will be shipped on Foam Brush**



### Foam Brush Lance

40" long with 30" insulated grip, 3/8" FPT inlet, 1/2" MPT outlet (Matches brush inlet). Colors: Red, Blue, or Black. Red is Standard.

**If no suffix is used, red will be shipped on Foam Brush Lance.**



**Brush Hoses** Clear spiral wire braid, 1/2" ID with 3/8" MPT, zinc-plated steel fittings both ends.

Part No.	Original No.	Description
8.710-115.0	344006	Foam Brush Head, Black
8.710-117.0	344006RED	Foam Brush Head, Red
8.710-116.0	344006BLU	Foam Brush Head, Blue
8.710-118.0	344010	Foam Hose (12')
8.710-119.0	344011	Foam Hose (15')
8.710-121.0	344014	Lance 40", Red
8.710-122.0	344014BLK	Lance 40", Black
8.710-123.0	344014BLU	Lance 40", Blue

## Ametek-Lamb Vacuum Motors



8.685-502.0



8.685-442.0



8.685-458.0

Part No.	Description
<b>2 Fan Stages, Bypass Motors</b>	
8.685-502.0	5.7" Diameter, 120V Double Ball Bearing Peripheral Discharge
8.685-442.0	Vault system Vac Motor: 120V Double Ball Bearings, Tangent Discharge
<b>3 Fan Stages, Bypass Motors</b>	
8.685-458.0	5.7" Diameter, 120V Double Ball Bearings Tangent Discharge

## “Reflex” Car Wash Booms

The Performance Leader!



- 5'6" car wash model
- 8 ft truck wash model
- 3000 PSI
- Stainless steel boom arm
- 3/8" FPT inlet/outlet hose included

Part No.	Original No.	Description
<b>Booms</b>		
8.903-620.0	306660X	180° Wall Mount 5'6" Boom
8.903-621.0	306662X	360° Ceiling Mount 5'6" Boom
8.903-624.0	306665X	180° Wall Mount 10' Boom
8.903-625.0	306666X	360° Ceiling Mount 10' Boom
8.903-626.0	306667X	180° Wall Mount 8' Boom
8.903-627.0	306668X	360° Ceiling Mount 8' Boom
<b>Parts / Accessories</b>		
8.903-622.0	306663X	5.5' Rod/Hose Assy Only
8.903-623.0	306664X	8' Rod/Hose Assy Only
8.903-628.0	306669X	10' Rod/Hose Assy Only
8.903-630.0	306670X	Ceiling Mount Base Only
8.903-632.0	306672X	Wall Mount Base Only
8.700-265.0	075064X	Set Screw for Angle Block
8.905-605.0	568612	90° End Coupler C/W Boom
8.905-604.0	568610	8' Coupler SS C/W Boom
8.712-450.0	421020	Swivel - Brass 3/8"
8.700-263.0	075060	Swivel Repair Kit (pre-1998)
8.700-287.0	075130	Swivel Repair Kit (1998-present)

## Stainless Steel Bay Accessories

Foam Brush Boom Holder, Wand Holders, Mat Clamps.



Part No.	Orig. No.	Description
8.708-880.0	260600	Standard Foam Brush Holder
8.708-881.0	260605	Rigid Wall Mount Wand Holder
8.708-882.0	260606	Flex Bottom Wall Mount Wand Holder
8.708-883.0	260610	Mat Clamp

## Locks for Meter Boxes



Part No.	Orig. No.	Description
8.708-731.0	260064	Disk Lock (Master Brand)
8.708-730.0	260062	Tubular Cam Lock

## 8-Position Rotary Switch

Metal Car Wash Switch.



- Much more durable than cheaper plastic switches. Save in the long run!
- Direct replacement for Electroswitch 31302A-S & NU32LA
- Make before break functions
- Double stack 8-position
- METAL

Part No.	Orig. No.	Description
8.708-729.0	260061	8-Position Rotary Switch

## Transformers



Part No.	Orig. No.	Description
8.708-780.0	260311	115-24 VAC: 600 MIL/AMP
8.708-781.0	260312	115/208/230-24 VAC: 100VA Fused
8.708-783.0	260315	120/208/240-24 VAC: 50VA
8.708-784.0	260316	120/208/240- 24 VA Not Fused

## Fuses



Part No.	Orig. No.	Description
8.708-786.0	260324	Transformer fuse 5 Amp (For P/N 260312)

## Swivels - Medium Pressure



- 1000 PSI
- 7/16" flow-thru opening
- All brass body
- Bronze thrust bearing
- Buna-N seals (non-repairable)
- 1/2" FPT x 1/2" MPT

Part No.	Orig. No.	Description
8.705-057.0	140094	Swivel

## Low Pressure Swivels



- 300 PSI swivel action
- Brass MPT
- Zinc chromate steel FPT

Part No.	Orig. No.	Description
8.705-054.0	140085	1/4" x 1/4"
8.705-056.0	140087	3/8" x 3/8"
8.705-055.0	140086	1/2" x 1/2"

### Flex Lances



- Flexes 180° & returns
- Prevents bent lances & broken hoses
- Industrial grade polyurethane flex section
- Perfect for self-serve car wash bays
- 1/4" galvanized pipe end sections
- 2000 PSI
- 200°F

Part No.	Original No.	Length/Color	Fittings
8.710-600.0	368119BLK	18" Black	1/4" MPT x 1/8" FPT
8.710-601.0	368119BLU	18" Blue	1/4" MPT x 1/8" FPT
8.710-603.0	368121	21" Red	1/4" MPT x 1/8" FPT
8.710-604.0	368124	24" Red	1/4" MPT x 1/8" FPT
8.710-598.0	368118	18" Red	1/4" MPT x 1/4" MPT
8.710-599.0	368118BLK	18" Black	1/4" MPT x 1/4" FPT

### RB65 Wash Gun



Low pressure spray gun with straight jet and adjustable cone from the trigger with adjustable screws to alter cone angle wideness from 0° to 60°.



- Completely sealed
- Ergonomic
- Adjustable jet cone
- Trigger protection
- Brass Body
- Inlet connection swivel
- 16 GPM
- 350 PSI rated pressure
- 195°F

Part No.	Orig. No.	Description
8.710-449.0	353265	PA RB65 w/ swivel
8.710-448.0	353264	PA RB65 no swivel

### Car Wash Vacuum Hose CW150 & CW200

ULTIMATE  
CRUSH PROOF

The Most Flexible, Easy-to-Handle Vacuum Hose Ever!



- Recovers immediately from crush
- Tough & durable
- Resists ultraviolet rays & abrasion
- Smooth interior bore for max air flow
- CW150 = 1 1/2"; CW200 = 2"

Part No.	Original No.	Size
8.708-912.0	260957	1.5" x 12.5'
8.708-907.0	260950	1.5" x 15'
8.708-909.0	260954	1.5" x 25'
8.708-910.0	260956	1.5" x 50'
8.708-918.0	260965	2" x 12.5'
8.708-917.0	260962	2" x 15'
8.708-919.0	260966	2" x 25'
8.708-920.0	260968	2" x 50'

### Car Wash Hose

Alklean can help you find the right hose for your Car Wash needs.

### Vacuum Accessories

May slip directly onto hose; for better results, use with swivel cuffs, below.

#### Vacuum Claw Nozzle



Part No. 1-1/2"	Original No. - 1-1/2"	Part No. 2"	Original No. - 2"	Color
8.708-893.0	260917	8.708-895.0	260919	Orange
8.708-892.0	260916	8.708-894.0	260918	Yellow
8.708-891.0	260915	8.708-897.0	260921	Black
8.708-890.0	260914	8.708-899.0	260923	Gray

#### Couplings

Part No.	Original No.	Description
8.708-896.0	260920	1-1/2'
8.708-898.0	260922	2'

#### Adapter



Part No.	Orig. No.	Description
8.708-900.0	260924	2" Hose x 1-1/2" Wand
8.708-904.0	260942	2" Hose x 2" Wand

#### Vacuum Nozzles



Part No.	Orig. No.	Description	Degree
8.708-901.0	260932	1-1/2" x 1-1/2" x 5-1/4"	45°
8.708-902.0	260934	2" x 2" x 5-1/2"	45°

#### Cuffs, Hose to Tank



Part No.	Orig. No.	Description
8.708-903.0	260940	1-1/2" x 1-1/2"
8.708-904.0	260942	2" x 2"
8.708-905.0	260944	1-1/2" x 1-1/2" Swivel
8.708-906.0	260946	2" x 2" Swivel

## Solenoid Valves

Dependable, Cost-effective Solutions to Valve Challenges.



- Suitable for:
- Air
  - Light Oil
  - Professional Car Washes
  - Chemicals
  - Low Pressure Steam
  - Other Industrial Applications

### Water Solenoid Valves 2-way, Normally Closed

The S211 Series Standard Water Valves have reliable piloted diaphragm construction with proven performance over decades of use. Featuring stainless steel seats, the S211 Series typically requires 4 or 5 PSI pressure differential to open. The S201 Series Zero Differential Valves are constructed with the same materials, but are capable of operating with the same amount of pressure on both sides of the valve. Both valve types are often utilized in the car wash industry.

### Chemical Solenoid Valves 2-way, Normally Closed

For decades, car wash industry professionals have chosen the rugged S301 and S311 Series Valves because of their compact size and long life. Available in 1/8", 1/4" & 3/8" NPT designs, these valves are used in air, water and chemical applications.



### High pressure Solenoid Valves 2-way, Normally Closed

The S401 High Pressure Valves are compact, dependable and specially designed by ITT to meet car wash applications up to 1,400 PSI. **Best Buy**

### Normally Open Solenoid Valves for Car Wash Anti-Freeze Applications

These valves provide long life and reliable performance in the "Make or Break" Anti-Freeze systems of car washes. The S202 and S212 Series Diaphragm Valves feature non-wicking, fabric-reinforced diaphragms—which eliminates premature diaphragm failures—as well as stainless steel upper seats, which prevents seat deterioration often associated with brass-seated valves. The S202 Series Diaphragm Valve incorporates the zero operating pressure design discussed above; the S212 Series is a piloted diaphragm, and the S402 Series is a piloted piston valve.

## Solenoid Valve Specifications



- |                      |              |                       |                        |
|----------------------|--------------|-----------------------|------------------------|
| <b>Body</b>          | <b>Seals</b> | <b>Mode</b>           | <b>Type</b>            |
| BR = Brass           | B = Buna     | N/O = Normally Open   | PD = Piloted Diaphragm |
| SS = Stainless Steel | V = Viton    | N/C = Normally Closed | PP = Piloted Piston    |
|                      |              |                       | DA = Direct Acting     |

Part No.	Orig. No.	GC Part No. Series	Port F-NPT	Body	Orifice	Oper PSI	Seals	Mode	Type	AC Volts	DEMA Equiv
8.708-805.0	260450	S201-CG4	3/8"	BR	.312"	150	B	N/C	PD	24	A413P-24
8.708-806.0	260451	S201-CG4	3/8"	BR	.312"	150	B	N/C	PD	110	A413P-110
8.708-807.0	260452	S201-DG4	1/2"	BR	.438"	150	B	N/C	PD	24	A414P-24
8.708-808.0	260453	S201-DG4	1/2"	BR	.438"	150	B	N/C	PD	110	A414P-110
8.708-810.0	260454	S201-EG5	3/4"	BR	.593"	150	B	N/C	PD	24	A416P-24
8.708-811.0	260455	S201-EG5	3/4"	BR	.593"	150	B	N/C	PD	110	A416P-110
8.708-812.0	260456	S201-FG9	1"	BR	.760"	150	B	N/C	PD	24	A418P-24
8.708-813.0	260457	S201-FG9	1"	BR	.760"	150	B	N/C	PD	110	A418P-110
8.708-820.0	260464	S211-CG4	3/8"	BR	.625"	150	B	N/C	PD	24	473P-24
8.708-821.0	260465	S211-CG4	3/8"	BR	.625"	150	B	N/C	PD	110	473P-110
8.708-822.0	260466	S211-DG4	1/2"	BR	.625"	150	B	N/C	PD	24	474P-24
8.708-823.0	260467	S211-DG4	1/2"	BR	.625"	150	B	N/C	PD	110	474P-110
8.708-824.0	260468	S211-EG5	3/4"	BR	.750"	150	B	N/C	PD	24	476P-24
8.708-825.0	260469	S211-EG5	3/4"	BR	.750"	150	B	N/C	PD	110	476P-110
8.708-826.0	260470	S211-FG9	1"	BR	1.00"	150	B	N/C	PD	24	—
8.708-827.0	260471	S211-FG9	1"	BR	1.00"	150	B	N/C	PD	110	—
8.708-828.0	260479	S301-AD5	1/8"	BR	.101"	125	B	N/C	DA	110	491P-110
8.708-829.0	260480	S301-BD7	1/4"	BR	.109"	150	B	N/C	DA	24	401P-24
8.708-830.0	260481	S301-BD7	1/4"	BR	.109"	150	B	N/C	DA	110	401P-110
8.708-814.0	260458	S202-CG4	3/8"	BR	.281"	150	B	N/O	PD	24	0412P-24
8.708-815.0	260459	S202-CG4	3/8"	BR	.281"	150	B	N/O	PD	110	0412P-110
8.708-816.0	260460	S202-DG4	1/2"	BR	.438"	150	B	N/O	PD	24	0A414P-24
8.708-817.0	260461	S202-DG4	1/2"	BR	.438"	150	B	N/O	PD	110	0A414P-110
8.708-818.0	260462	S202-EG5	3/4"	BR	.593"	150	B	N/O	PD	24	0A416P-24
8.708-819.0	260463	S202-EG5	3/4"	BR	.593"	150	B	N/O	PD	110	0A416P-110
8.708-831.0	260482	S301-BD7	1/4"	SS	.125"	150	V	N/C	DA	24	424-2-24
8.708-832.0	260483	S301-BD7	1/4"	SS	.125"	150	V	N/C	DA	110	424-2-110
8.708-833.0	260484	S401-Z	3/8"	SS	.350"	1200	V	N/C	PP	24	453P-24
8.708-834.0	260485	S401-Z	3/8"	SS	.350"	1200	V	N/C	PP	110	453P-110
8.708-835.0	260486	S401-Z	1/2"	SS	.500"	1200	V	N/C	PP	24	454P-24
8.708-836.0	260487	S401-Z	1/2"	SS	.500"	1200	V	N/C	PP	110	454P-110

Replacement / Repair Kits for Solenoids Valves - on previous page

Part No.	Orig. No.	Description
8.708-837.0	260488	24V AC Coil
8.708-838.0	260489	110V AC Coil
8.700-214.0	074801	Repair Kit - S301-1/4" valves (Buna)
8.700-215.0	074802	Repair Kit - S201-3/8" & 1/2" valves (Buna)
8.700-216.0	074806	Repair Kit - S202-3/4" valves (Buna)

Part No.	Orig. No.	Description
8.700-217.0	074807	Repair Kit - S301-1/4" valves (Viton)
8.700-218.0	074808	Repair Kit - S401-3/8" & 1/2" valves (Viton)
8.700-219.0	074809	Repair Kit - S211-3/8" & 1/2" valves (Buna)
8.700-220.0	074810	Repair Kit - S211-3/4" valves (Buna)
8.700-221.0	074812	Repair Kit - S211-1-1/4", 1-1/2" & 2" valves (Buna)

Kip Solenoids



- Reliable over years of use
- Millions of cycles life not unusual
- All with FPT ports

Part No.	Orig. No.	State	FPT	Voltage	Chemical	Orifice
<b>Stainless Steel</b>						
8.708-846.0	260511**	N/C	1/4"	24 VAC	N/A	.062
8.708-847.0	260515**	N/O	1/4"	24 VAC	N/A	.062
8.708-848.0	260516*	N/O	1/4"	24 VAC	N/A	.062
8.708-849.0	260520	N/C	1/8"	24 VAC	N/A	.062
8.708-851.0	260525	N/C	1/4"	24 VAC	C/A	
8.708-852.0	260526*	N/C	1/4"	24 VAC	C/A	
8.708-853.0	260530	N/C	1/8"	24 VAC	C/A	
8.708-855.0	260534	N/C	1/4"	120 VAC	N/A	.093
8.708-856.0	260535	N/C	1/4"	24 VAC	N/A	.093
8.708-857.0	260536*	N/C	1/4"	120 VAC	N/A	.093
8.708-858.0	260537*	N/C	1/4"	24 VAC	N/A	.093
<b>Brass Solenoid Valves - Kip</b>						
8.708-863.0	260546*	N/C	1/8"	240 VAC	N/A	.062
8.708-864.0	260547*	N/C	1/8"	120 VAC	N/A	.062
<b>Parts</b>						
8.708-859.0	260538	Coil Only		120V	Wire Leads	
8.708-860.0	260539	Coil Only		24V	Wire Leads	
8.708-862.0	260542	Coil Only		24V	Spade Term	
8.708-861.0	260541	Repair Kit	N/C	1/4"		

State: N/O = Normally Opened, N/C = Normally Closed  
 Chemical: N/A = Not Adjustable, C/A = Chemical Adjustment  
 \* Conduit Body Style w/ wire leads  
 \*\* Wire Leads

Solenoids w/ Built-In Strainer



For pressure lines and pressure systems only.

Brass Valves - Diaphragm Style



- Normally Closed valve operation
- Proven design features for reliable performance on all applications
- Rated to 200°F fluid & 120°F ambient
- Operates in any position, but do NOT mount valve with coil under valve

Part No.	Orig. No.	Dema No.	FPT	Orifice	PSI	Voltage
8.711-249.0	396115	442P	1/4"	.25	125	24 VAC
8.711-250.0	396116	442P	1/4"	.25	125	110 VAC
8.711-252.0	396119	443P	3/8"	.25	125	24 VAC
8.711-253.0	396120	443P	3/8"	.25	125	110 VAC

Celcon Plastic Valves

Super for strong chemicals.



- Diaphragm style with Y-Screen (S.S.)
- Molded coil CSA approved
- Compact design - 1/4" spade connects
- Normally Closed operation
- 125 PSI
- 180°F
- 1/4" FPT, 1/4" orifice

Part No.	Orig. No.	Dema No.	FPT	Orifice	PSI	Voltage
8.708-869.0	260560	P442	1/4"	.25	125	24 VAC
8.708-870.0	260561	P442	1/4"	.25	125	110 VAC
8.708-871.0	260562	P442	1/4"	.25	125	12 VAC
8.708-872.0	260566	P443	3/8"	.25	125	24 VAC
8.708-873.0	260567	P443	3/8"	.25	125	110 VAC
8.708-874.0	260568	P443	3/8"	.25	125	12 VDC

Erie Motortrol® Valve



- 3-way valve to switch hot & cold inlets to single outlet
- 1/2" MPT (all 3)
- 24 VAC

Part No.	Orig. No.	Description
8.708-879.0	260580	Motortrol Valve

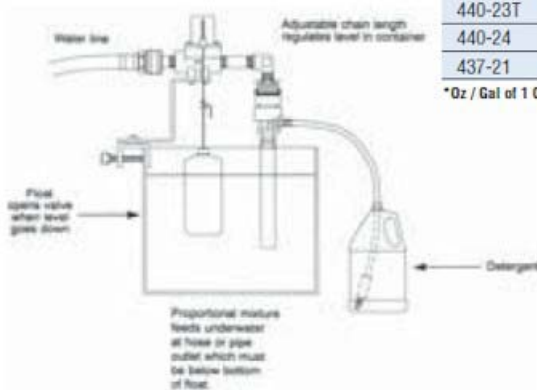
## Aqua Master™ Model 440

DEMA



**Liquid level proportioning controls** - automatically maintain drum level and chemical concentration. The Aqua Master automatically maintains a desired level of proportioned mixture in a drum, tank or other type reservoir. Magnetically activated "snap acting" float valves provide full water flow to activate the chemical proportioners. There are two basic sizes to give a choice of water flows as shown in the table below. Chemical feed rate is adjusted by metering screw or threaded metering tips. The compact 440 float valve is made of Celcon® plastic and is easily accessible for field maintenance.

Liquid level proportioning controls are available in two flow capacities, 4 and 22 GPM at 50 PSI. Either size can be used with or without a proportioner. The proportioner allows chemical to be inducted while the valve is open. All models, except as noted, are equipped with siphon breakers to prevent backflow into the fresh water line. The proportioner discharge is provided with means for attaching a hose or piece of pipe for under water feeding to minimize sudsing.



Model Capacity	Description	
440-23BT	Proportioning Valve, 4 GPM Flow at 50 PSI, Medium Capacity	12*
440-23T	Proportioning Valve, 4 GPM Flow at 50 PSI, High Capacity	35*
440-24	Proportioning Valve, 4 GPM Flow at 50 PSI, Highest Capacity	70*
437-21	Proportioning Valve, 22 GPM Flow at 50 PSI, Medium Capacity	10*

\*Oz / Gal of 1 CPS Fluid (ie, Viscosity of Water)

Part No.	Orig. No.	Description
8.710-525.0	360382	440-23BT
8.710-524.0	360381	440-23T
8.710-526.0	360383	440-24
8.710-532.0	360397	437-21
8.710-534.0	360399	Optional Tips

## Proportioners

Designed to blend liquid chemical concentrates with water (flowing at normal city water pressure) to create an accurate mix of diluted chemicals. Complete with metering orifice set and/or metering adjustment valve.



Model	Description	Capacity
MAX BLEND RATE = Oz Chem Per Gal Water		
MODEL No.	1 CPS	75 CPS
162	24	14
163H*	64	30

1 CPS = Viscosity of Water  
75 CPS = Viscosity of SAE 10 oil  
220 CPS = Viscosity of SAE 30 oil

\*High concentration chemical blender

Part No.	Orig. No.	Description
8.710-530.0	360393	#162 Drum Mount with Proportioner
8.710-529.0	360392	#163H High Concentrate Proportioner Low Side
8.700-226.0	074903	Polypropylene Foot Valve
8.710-137.0	344725	Chrome Cap
8.710-534.0	360399	Optional Tips