

## Yamada Pumps



100381



100384

**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 carwash 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
- Max pressure 100 psi
- Max temperature 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

|               | Intake & Discharge | Air Inlet w/ball valve | Air Exhaust w/B-I muffled | Pump Body | Diaphragm Material | Max Flow @ 100 PSI | Max Solid |
|---------------|--------------------|------------------------|---------------------------|-----------|--------------------|--------------------|-----------|
| <b>100381</b> | 1/4" FPT           | 1/4" FPT               | 3/8" FPT                  | Poly      | Teflon®            | 3.4 GPM            | N/A       |
| <b>100382</b> | 1/4" FPT           | 1/4" FPT               | 3/8" FPT                  | Kyn       | Teflon®            | 3.0 GPM            | N/A       |
| <b>100410</b> | 3/8" FPT           | 1/4" FPT               | 3/8" FPT                  | Poly      | Teflon®            | 6.0 GPM            | 1/32"     |
| <b>100411</b> | 3/8" FPT           | 1/4" FPT               | 3/8" FPT                  | Poly      | Santoprene®        | 6.0 GPM            | 1/32"     |
| <b>100383</b> | 1/2" FPT           | 1/4" FPT               | 3/8" FPT                  | Poly      | Hytrel®            | 15.0 GPM           | 1/32"     |
| <b>100384</b> | 1/2" FPT           | 1/4" FPT               | 3/8" FPT                  | Poly      | Santoprene®        | 15.0 GPM           | 1/32"     |
| <b>100385</b> | 1/2" FPT           | 1/4" FPT               | 3/8" FPT                  | Poly      | Teflon®            | 15.0 GPM           | 1/32"     |
| <b>100391</b> | 3/4" FPT           | 1/4" FPT               | 3/4" FPT                  | Poly      | Neoprene           | 27.3 GPM           | 1/16"     |
| <b>100392</b> | 3/4" FPT           | 1/4" FPT               | 3/4" FPT                  | Poly      | Buna-N             | 27.3 GPM           | 1/16"     |
| <b>100393</b> | 3/4" FPT           | 1/4" FPT               | 3/4" FPT                  | Poly      | Hytrel®            | 27.3 GPM           | 1/16"     |
| <b>100394</b> | 3/4" FPT           | 1/4" FPT               | 3/4" FPT                  | Poly      | Teflon®            | 27.3 GPM           | 1/16"     |
| <b>100395</b> | 3/4" FPT           | 1/4" FPT               | 3/4" FPT                  | Alum      | Buna-N             | 27.3 GPM           | 1/16"     |
| <b>100396</b> | 1" FPT             | 3/8" FPT*              | 3/4" FPT                  | Poly      | Neoprene           | 48.3 GPM           | 3/16"     |
| <b>100397</b> | 1" FPT             | 3/8" FPT*              | 3/4" FPT                  | Poly      | Hytrel®            | 48.3 GPM           | 3/16"     |
| <b>100398</b> | 1" FPT             | 3/8" FPT*              | 3/4" FPT                  | Poly      | Teflon®            | 48.3 GPM           | 3/16"     |
| <b>100399</b> | 1" FPT             | 3/8" FPT*              | 3/4" FPT                  | Alum      | Hytrel®            | 35.7 GPM           | 3/16"     |
| <b>100415</b> | 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

| Kit           | Pump Size  | Yamada Pump No. |        |
|---------------|------------|-----------------|--------|
| <b>105004</b> | Teflon®    | 1/4"            | 100381 |
| <b>105006</b> | Hytrel®    | 1/2"            | 100383 |
| <b>105008</b> | Santoprene | 1/2"            | 100384 |
| <b>105010</b> | Teflon®    | 1/2"            | 100385 |
| <b>105012</b> | Neoprene   | 3/4"            | 100391 |
| <b>105014</b> | Buna-N     | 3/4"            | 100392 |
| <b>105016</b> | Hytrel®    | 3/4"            | 100393 |

| Kit           | Pump Size | Yamada Pump No. |        |
|---------------|-----------|-----------------|--------|
| <b>105018</b> | Teflon®   | 3/4"            | 100394 |
| <b>105020</b> | Buna-N    | 3/4"            | 100395 |
| <b>105022</b> | Neoprene  | 1"              | 100396 |
| <b>105024</b> | Hytrel®   | 1"              | 100397 |
| <b>105026</b> | Teflon®   | 1"              | 100398 |
| <b>105028</b> | Nytrel®   | 1"              | 100399 |
| <b>105150</b> | Buna      | 1-1/2"          | 100415 |

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

## Pulsation Dampeners & Suction Stabilizers

**Yamada**

Improves pump system efficiency with an elastomeric bladder that separates liquid pressure and the dampener air chamber. Removes pulsation flow associated with diaphragm pumps. Facilitates more accurate metering, eliminates pipe vibration and protects gaskets and seals from quick-closing valves. Suction stabilizers at pump inlet reduce pressure fluctuations and premature wear; also creates more positive priming capabilities.



- Removes 99% pulsation
- Lightweight polypropylene body
- Simple, leak-free single inlet connections

|        | Use with Pump | Bladder |
|--------|---------------|---------|
| 381424 | 1/4"          | Hypalon |
| 381425 | 1/4"          | Teflon® |
| 381426 | 1/2"          | Hypalon |
| 381427 | 1/2"          | Teflon® |
| 381428 | 3/4"          | Hypalon |
| 381429 | 3/4"          | Teflon® |

Non-STock Items – Allow 5 Working days for shipment

## Air-Operated Pump

**FLOJET**

Twin Diaphragm, Self Priming, 7.0 GPM.



- Santoprene elastomers
- Dry air (or CO2) 20-120 psi
- 7.0 GPM max flow
- 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 Carwash Systems

|         |                        |
|---------|------------------------|
| 100874  | 3/8" Pump (Santoprene) |
| 100874A | 3/8" Pump (Viton)      |
| 100875  | 1/2" Pump (Santoprene) |
| 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 CO2) 20-80 psi
- 1.9 GPM max flow
- Chemical in & out, 3/8" barb
- Air (Gas) in & out, 1/4" barb
- Automatic, on-demand Start & Stop
- Control flow & pressure with air pressure

|        |                            |
|--------|----------------------------|
| 100873 | Pump (Santoprene)          |
| 100872 | Pump (Viton)               |
| 075862 | Diaphragm Kit (Santoprene) |
| 075863 | Valve Kit (Santoprene)     |
| 075907 | Diaphragm Kit (Viton)      |
| 075908 | Valve Kit (Viton)          |

## Air Filter / Regulators



462280



462285

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

462280 Regulator Only

462285 Filter/Regulator

## 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.



**Foam Round 5" Brush** Soft gray flag tip synthetic bristles, 2-1/2" trim, 1/2" FPT brass wand fitting



344033 5" Diameter Foam Brush

344006 Foam Brush Head, Black

344006RED Foam Brush Head, Red

344006BLU Foam Brush Head, Blue

344010 Foam Hose (12')

344011 Foam Hose (15')

344014 Lance 40", Red

344014BLK Lance 40", Black

344014BLU Lance 40", Blue

# CARWASH BAY ACCESSORIES

## "Reflex" Car Wash Booms

The Performance Leader!



- 5'6" car wash model
- 8 ft truck wash model
- 3000 psi max pressure
- Stainless steel boom arm
- Reflex boom arm will flex to 45° return to normal
- 3/8" FPT inlet/outlet hose included

### Booms

|                |                              |
|----------------|------------------------------|
| <b>306660X</b> | 180° Wall Mount 5'6" Boom    |
| <b>306662X</b> | 360° Ceiling Mount 5'6" Boom |
| <b>306665X</b> | 180° Wall Mount 10" Boom     |
| <b>306666X</b> | 360° Ceiling Mount 10" Boom  |
| <b>306667X</b> | 180° Wall Mount 8' Boom      |
| <b>306668X</b> | 360° Ceiling Mount 8' Boom   |

### PARTS / ACCESSORIES

|                |                                  |
|----------------|----------------------------------|
| <b>306663X</b> | 5.5' Rod/Hose Assy Only          |
| <b>306664X</b> | 8' Rod/Hose Assy Only            |
| <b>306669X</b> | 10' Rod/Hose Assy Only           |
| <b>306670X</b> | Ceiling Mount Base Only          |
| <b>306672X</b> | Wall Mount Base Only             |
| <b>075064X</b> | Set Screw for Angle Block        |
| <b>568612</b>  | Angle Block Rod End Coupler      |
| <b>568610</b>  | Coupler (for 8' Rod & 10' Rod)   |
| <b>075060</b>  | Swivel Repair Kit (pre-1998)     |
| <b>075130</b>  | Swivel Repair Kit (1998-present) |

## Stainless Steel Bay Accessories

Foam Brush Boom Holder, Wand Holders, Mat Clamps.



|               |                               |
|---------------|-------------------------------|
| <b>260600</b> | Standard Foam Brush Holder    |
| <b>260605</b> | Rigid Wall Mount Wand Holder  |
| <b>260606</b> | Flex Floor Mount Wand Holder  |
| <b>260610</b> | Mat Clamp                     |
| <b>306735</b> | 180° Flo-Thru Foam Brush Boom |

## Locks for Meter Boxes



|               |                          |
|---------------|--------------------------|
| <b>260064</b> | Disk Lock (Master Brand) |
| <b>260062</b> | Tubular Cam Lock         |

## 8 Position Rotary Switch

**Metal** Carwash 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**

|               |                          |
|---------------|--------------------------|
| <b>260061</b> | 8-Position Rotary Switch |
|---------------|--------------------------|

## Transformers



260311



260316

|               |                                 |
|---------------|---------------------------------|
| <b>260311</b> | 115-24 VAC: 600 MIL/Amp         |
| <b>260312</b> | 115/208/230-24 VAC: 100VA Fused |
| <b>260315</b> | 120/208/240-24 VAC: 50VA        |
| <b>260316</b> | 120/208/240-24 VAC: Not Fused   |

## Fuses



|               |   |
|---------------|---|
| <b>260324</b> | Transformer fuse 5 Amp (For P/N 260312) |
|---------------|---|

## Swivels – Medium Pressure



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

|               |        |
|---------------|--------|
| <b>140094</b> | Swivel |
|---------------|--------|

## Low Pressure Swivels



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

|               |             |
|---------------|-------------|
| <b>140085</b> | 1/4" x 1/4" |
| <b>140087</b> | 3/8" x 3/8" |
| <b>140086</b> | 1/2" x 1/2" |

## Car Wash Vacuum



- All stainless steel (or with lighted dome)
- Two 1.6 HP high velocity motors
- 15 ft 2" hose and angle-cuff nozzle
- Mechanical coin mechanism
- IDX long-lasting 110VT timer
- Quarters only
- 2 – 8 1/2 minutes

Factory Direct Shipment

|               |                              |
|---------------|------------------------------|
| <b>260849</b> | Coin Box Style               |
| <b>260850</b> | No Coin Mech (Switch Only)   |
| <b>260835</b> | 2 Door Econo Dome Pin Lock   |
| <b>260853</b> | 2 Door Econo Vac, Small Dome |

## Flex Lances



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

|                  |           |                     |
|------------------|-----------|---------------------|
| <b>368118</b>    | 18" Red   | 1/4" MPT x 1/4" MPT |
| <b>368118BLK</b> | 18" Black | 1/4" MPT x 1/4" FPT |
| <b>368119BLK</b> | 18" Black | 1/4" MPT x 1/8" FPT |
| <b>368121</b>    | 21" Red   | 1/4" MPT x 1/8" FPT |
| <b>368124</b>    | 24" Red   | 1/4" MPT x 1/8" FPT |
| <b>368119BLU</b> | 18" Blue  | 1/4" MPT x 1/8" FPT |
| <b>368119RED</b> | 18" Red   | 1/4" MPT x 1/8" FPT |

## 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"

|               |              |      |
|---------------|--------------|------|
| <b>260957</b> | 1.5" x 12.5' | Gray |
| <b>260950</b> | 1.5" x 15'   | Gray |
| <b>260954</b> | 1.5" x 25'   | Gray |
| <b>260956</b> | 1.5" x 50'   | Gray |
| <b>260965</b> | 2" x 12.5'   | Gray |
| <b>260962</b> | 2" x 15'     | Gray |
| <b>260966</b> | 2" x 25'     | Gray |
| <b>260968</b> | 2" x 50'     | Gray |

Colors Available - Minimum 500 feet

## Vacuum Accessories

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

### Vacuum Claw Nozzle



| 1-1/2"        | 2"            | Color  |
|---------------|---------------|--------|
| <b>260917</b> | <b>260919</b> | Orange |
| <b>260916</b> | <b>260918</b> | Yellow |
| <b>260915</b> | <b>260921</b> | Black  |
| <b>260914</b> | <b>260923</b> | Gray   |

### Couplings

|               |        |
|---------------|--------|
| <b>260920</b> | 1-1/2" |
| <b>260922</b> | 2"     |

### Adapter



|               |                       |
|---------------|-----------------------|
| <b>260924</b> | 2" Hose x 1-1/2" Wand |
| <b>260942</b> | 2" Hose x 2" Wand     |

### Vacuum Nozzles



|               |                                |
|---------------|--------------------------------|
| <b>260932</b> | 1-1/2" x 1-1/2" x 5-1/4" – 45° |
| <b>260934</b> | 2" x 2" x 5-1/2" – 45°         |
| <b>260936</b> | 2" x 1-1/2" x 6-1/8" – 30°     |
| <b>260938</b> | 2" x 1-1/2" x 8-9/16" – 35° S  |

### Cuffs, Hose to Tank



|               |                        |
|---------------|------------------------|
| <b>260940</b> | 1-1/2" x 1-1/2"        |
| <b>260942</b> | 2" x 2"                |
| <b>260944</b> | 1-1/2" x 1-1/2" Swivel |
| <b>260946</b> | 2" x 2" Swivel         |

## Car Wash Hoses

See page 17.

## 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

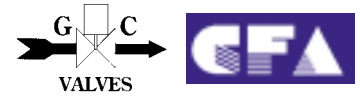
The S211 Series Standard Water Valves have reliable piloted diaphragm construction with proven performance over decades of use. Featuring stainless steel seats, the S211 Series typically requires 4 or 5 psi pressure differential to open. The S201

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, carwash 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 carwash 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.

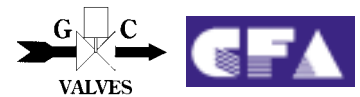
## Solenoid Valve Specifications

**Body**  
BR = Brass  
SS = Stainless Steel

**Seals**  
B = Buna  
V = Viton

**Mode**  
N/O = Normally Open  
N/C = Normally Closed

**Type**  
PD = Piloted Diaphragm  
PP = Piloted Piston  
DA = Direct Acting



| Part No. | GC Part No. Series | Port F-NPT | Body | Orifice | Oper PSI | Seals | Mode | Type | AC Volts | DEMA Equiv |
|----------|--------------------|------------|------|---------|----------|-------|------|------|----------|------------|
| 260450   | S201-CG4           | 3/8"       | BR   | .312"   | 150      | B     | N/C  | PD   | 24       | A413P-24   |
| 260451   | S201-CG4           | 3/8"       | BR   | .312"   | 150      | B     | N/C  | PD   | 110      | A413P-110  |
| 260452   | S201-DG4           | 1/2"       | BR   | .438"   | 150      | B     | N/C  | PD   | 24       | A414P-24   |
| 260453   | S201-DG4           | 1/2"       | BR   | .438"   | 150      | B     | N/C  | PD   | 110      | A414P-110  |
| 260454   | S201-EG5           | 3/4"       | BR   | .593"   | 150      | B     | N/C  | PD   | 24       | A416P-24   |
| 260455   | S201-EG5           | 3/4"       | BR   | .593"   | 150      | B     | N/C  | PD   | 110      | A416P-110  |
| 260456   | S201-FG9           | 1"         | BR   | .760"   | 150      | B     | N/C  | PD   | 24       | A418P-24   |
| 260457   | S201-FG9           | 1"         | BR   | .760"   | 150      | B     | N/C  | PD   | 110      | A418P-110  |
| 260464   | S211-CG4           | 3/8"       | BR   | .625"   | 150      | B     | N/C  | PD   | 24       | 473P-24    |
| 260465   | S211-CG4           | 3/8"       | BR   | .625"   | 150      | B     | N/C  | PD   | 110      | 473P-110   |
| 260466   | S211-DG4           | 1/2"       | BR   | .625"   | 150      | B     | N/C  | PD   | 24       | 474P-24    |
| 260467   | S211-DG4           | 1/2"       | BR   | .625"   | 150      | B     | N/C  | PD   | 110      | 474P-110   |
| 260468   | S211-EG5           | 3/4"       | BR   | .750"   | 150      | B     | N/C  | PD   | 24       | 476P-24    |
| 260469   | S211-EG5           | 3/4"       | BR   | .750"   | 150      | B     | N/C  | PD   | 110      | 476P-110   |
| 260470   | S211-FG9           | 1"         | BR   | 1.00"   | 150      | B     | N/C  | PD   | 24       | —          |
| 260471   | S211-FG9           | 1"         | BR   | 1.00"   | 150      | B     | N/C  | PD   | 110      | —          |
| 260478   | S301-AD5           | 1/8"       | BR   | .101"   | 125      | B     | N/C  | DA   | 24       | 491P-24    |
| 260479   | S301-AD5           | 1/8"       | BR   | .101"   | 125      | B     | N/C  | DA   | 110      | 491P-110   |
| 260480   | S301-BD7           | 1/4"       | BR   | .109"   | 150      | B     | N/C  | DA   | 24       | 401P-24    |
| 260481   | S301-BD7           | 1/4"       | BR   | .109"   | 150      | B     | N/C  | DA   | 110      | 401P-110   |
| 260458   | S202-CG4           | 3/8"       | BR   | .281"   | 150      | B     | N/O  | PD   | 24       | 0412P-24   |
| 260459   | S202-CG4           | 3/8"       | BR   | .281"   | 150      | B     | N/O  | PD   | 110      | 0412P-110  |
| 260460   | S202-DG4           | 1/2"       | BR   | .438"   | 150      | B     | N/O  | PD   | 24       | 0A414P-24  |
| 260461   | S202-DG4           | 1/2"       | BR   | .438"   | 150      | B     | N/O  | PD   | 110      | 0A414P-110 |
| 260462   | S202-EG5           | 3/4"       | BR   | .593"   | 150      | B     | N/O  | PD   | 24       | 0A416P-24  |
| 260463   | S202-EG5           | 3/4"       | BR   | .593"   | 150      | B     | N/O  | PD   | 110      | 0A416P-110 |
| 260482   | S301-BD7           | 1/4"       | SS   | .125"   | 150      | V     | N/C  | DA   | 24       | 424-2-24   |
| 260483   | S301-BD7           | 1/4"       | SS   | .125"   | 150      | V     | N/C  | DA   | 110      | 424-2-110  |
| 260484   | S401-Z             | 3/8"       | SS   | .350"   | 1200     | V     | N/C  | PP   | 24       | 453P-24    |
| 260485   | S401-Z             | 3/8"       | SS   | .350"   | 1200     | V     | N/C  | PP   | 110      | 453P-110   |
| 260486   | S401-Z             | 1/2"       | SS   | .500"   | 1200     | V     | N/C  | PP   | 24       | 454P-24    |
| 260487   | S401-Z             | 1/2"       | SS   | .500"   | 1200     | V     | N/C  | PP   | 110      | 454P-110   |



## Replacement / Repair Kits for Solenoids Valves – page 116

|               |   |
|---------------|---|
| <b>260488</b> | 24V AC Coil                                   |
| <b>260489</b> | 110V AC Coil                                  |
| <b>074800</b> | Repair Kit - S301 – 1/8" valves (Buna)        |
| <b>074801</b> | Repair Kit - S301 – 1/4" valves (Buna)        |
| <b>074802</b> | Repair Kit - S201 – 3/8" & 1/2" valves (Buna) |
| <b>074803</b> | Repair Kit - S201 – 3/4" valves (Buna)        |
| <b>074804</b> | Repair Kit - S201 – 1" valve (Buna)           |
| <b>074805</b> | Repair Kit - S301 – 3/8" & 1/2" valves (Buna) |

|               |   |
|---------------|---|
| <b>074806</b> | Repair Kit - S202–3/4" valves (Buna)                    |
| <b>074807</b> | Repair Kit - S301–1/4" valves (Viton)                   |
| <b>074808</b> | Repair Kit - S401–3/8" & 1/2" valves (Viton)            |
| <b>074809</b> | Repair Kit - S211–3/8" & 1/2" valves (Buna)             |
| <b>074810</b> | Repair Kit - S211–3/4" valves (Buna)                    |
| <b>074811</b> | Repair Kit - S211–1" valve (Buna)                       |
| <b>074812</b> | Repair Kit - S211–<br>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
- N/O = Normally Opened
- N/C = Normally Closed
- N/A= Not Adjustable
- C/A = Chemical Adjustment

|                        | FPT | Voltage | Orifice ID |
|------------------------|-----|---------|------------|
| <b>Stainless Steel</b> |     |         |            |
| <b>260511**</b>        | N/C | 1/4"    | 24 VAC     |
| <b>260515**</b>        | N/O | 1/4"    | 24 VAC     |
| <b>260516*</b>         | N/O | 1/4"    | 24 VAC     |
| <b>260520</b>          | N/C | 1/8"    | 24 VAC     |
| <b>260525</b>          | N/C | 1/4"    | 24 VAC     |
| <b>260526*</b>         | N/C | 1/4"    | 24 VAC     |
| <b>260530</b>          | N/C | 1/8"    | 24 VAC     |
| <b>260534</b>          | N/C | 1/4"    | 120 VAC    |
| <b>260535</b>          | N/C | 1/4"    | 24 VAC     |
| <b>260536*</b>         | N/C | 1/4"    | 120 VAC    |
| <b>260537*</b>         | N/C | 1/4"    | 24 VAC     |

| <b>Brass Solenoid Valves – Kip</b> |     |      |         |
|------------------------------------|-----|------|---------|
| <b>260546*</b>                     | N/C | 1/8" | 240 VAC |
| <b>260547*</b>                     | N/C | 1/8" | 120 VAC |

| <b>Parts</b>  |                     |              |
|---------------|---------------------|--------------|
| <b>260544</b> | Coil Only 120V      | Spade Term   |
| <b>260538</b> | Coil Only 120V      | Wire Leads   |
| <b>260539</b> | Coil Only 24V       | Wire Leads   |
| <b>260542</b> | Coil Only 24V       | Spade Term   |
| <b>260543</b> | Coil 24V            | Wire-Conduit |
| <b>260541</b> | Repair Kit N/C 1/4" |              |

\* Conduit Body Style w/ wire leads  
\*\* Wire Leads

## Erie Motortrol® Valve



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

|               |                 |
|---------------|-----------------|
| <b>260580</b> | Motortrol Valve |
|---------------|-----------------|

## Solenoids with Built-In Strainer



### 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

|               | Dema No. | FPT  | Orifice | PSI | Voltage |
|---------------|----------|------|---------|-----|---------|
| <b>396115</b> | 442P     | 1/4" | .25     | 125 | 24 VAC  |
| <b>396116</b> | 442P     | 1/4" | .25     | 125 | 110 VAC |
| <b>396119</b> | 443P     | 3/8" | .25     | 125 | 24 VAC  |
| <b>396120</b> | 443P     | 3/8" | .25     | 125 | 110 VAC |

### Celcon Plastic Valves

Super for strong chemicals.



- Diaphragm style with Y-Screen (SS)
- Molded coil CSA approved
- Compact design – 1/4" spade connects
- Normally Closed operation
- 125 psi max pressure
- 180°F max temperature
- 1/4" FPT, 1/4" orifice

|               | Dema No. | FPT  | Orifice | PSI | Voltage |
|---------------|----------|------|---------|-----|---------|
| <b>260560</b> | P442     | 1/4" | .25     | 125 | 24 VAC  |
| <b>260561</b> | P442     | 1/4" | .25     | 125 | 110 VAC |
| <b>260562</b> | P442     | 1/4" | .25     | 125 | 12 VAC  |
| <b>260566</b> | P443     | 3/8" | .25     | 125 | 24 VAC  |
| <b>260567</b> | P443     | 3/8" | .25     | 125 | 110 VAC |
| <b>260568</b> | P443     | 3/8" | .25     | 125 | 12 VDC  |

## 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 max flow rate
- 350 psi rated pressure
- 195°F max temperature

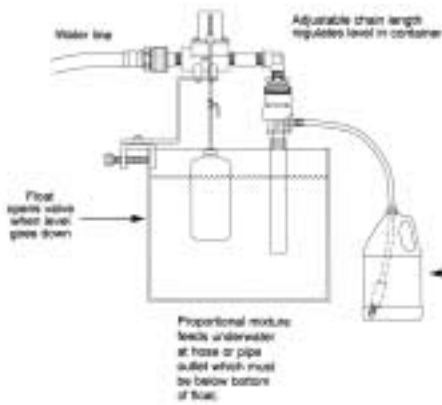
|               |                    |
|---------------|--------------------|
| <b>353265</b> | PA RB65 w/ swivel  |
| <b>353264</b> | PA RB65 w/o swivel |

## Aqua Master™ Model 440



**Liquid level proportioning controls** - automatically maintain drum level and chemical concentration. The Aqua Master automatically maintains a desired level of proportioned mixture in and 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    | Description   | Capacity |
|----------|---|----------|
| 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)

|        |               |  |
|--------|---------------|--|
| 360382 | 440-23BT      |  |
| 360381 | 440-23T       |  |
| 360383 | 440-24        |  |
| 360397 | 437-21        |  |
| 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.

|  | Description Capacity |        |         |
|--|----------------------|--------|---------|
| Max Blend Rate = Oz Chem Per Gal Water | 1 CPS                | 75 CPS | 220 CPS |
| MODEL No.                              | 1 CPS                | 75 CPS | 220 CPS |
| 162                                    | 24                   | 14     | 6       |
| 163H*                                  | 64                   | 30     | 14      |

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

\*High concentration chemical blender

|        |  |  |
|--------|--|--|
| 360393 | #162 Drum Mount with Proportioner            |  |
| 360392 | #163H High Concentrate Proportioner Low Side |  |
| 074903 | Polypropylene Foot Valve                     |  |