

## DEMAND/DELIVERY PUMPS TRANSFER/DISPENSING PUMPS

## DIAPHRAGM PUMPS

### 5800/7800 SERIES

These pumps are designed for intermittent duty, though most models can be run continuously for hours at a time. They are commonly used either to pressurize water from an atmospheric tank, to deliver purified water to a specific point of use, or simply to increase pressure when required.

These pumps can be controlled by either a pressure switch ("demand" mode) or an external power control device ("delivery" mode). When required, an integrated bypass can be incorporated to help regulate pressure levels.



| PERFORMANCE DATA      |                |                   |               |                   |               |                   |               |                   |               |                   |
|-----------------------|----------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|
| DISCHARGE<br>PRESSURE | PUMPHEAD MODEL |                   |               |                   |               |                   |               |                   |               |                   |
|                       | 58X0           |                   | 58X1          |                   | 58X2          |                   | 58X3          |                   | 58X4          |                   |
| (PSI)                 | FLOW<br>(GPM)  | CURRENT<br>(AMPS) | FLOW<br>(GPM) | CURRENT<br>(AMPS) | FLOW<br>(GPM) | CURRENT<br>(AMPS) | FLOW<br>(GPM) | CURRENT<br>(AMPS) | FLOW<br>(GPM) | CURRENT<br>(AMPS) |
| 70                    | 0.54           | 0.41              | 0.67          | 0.48              | 0.87          | 0.59              | 0.95          | 0.68              | 1.00          | 0.75              |
| 60                    | 0.60           | 0.38              | 0.72          | 0.45              | 0.91          | 0.54              | 1.00          | 0.63              | 1.07          | 0.70              |
| 50                    | 0.66           | 0.35              | 0.78          | 0.41              | 0.95          | 0.50              | 1.06          | 0.58              | 1.16          | 0.64              |
| 40                    | 0.70           | 0.32              | 0.83          | 0.37              | 0.98          | 0.46              | 1.14          | 0.53              | 1.24          | 0.58              |
| 30                    | 0.76           | 0.30              | 0.87          | 0.34              | 1.03          | 0.41              | 1.20          | 0.48              | 1.30          | 0.52              |
| 20                    | 0.83           | 0.26              | 0.91          | 0.30              | 1.10          | 0.36              | 1.27          | 0.42              | 1.37          | 0.47              |
| 10                    | 0.90           | 0.23              | 0.95          | 0.26              | 1.16          | 0.33              | 1.34          | 0.39              | 1.44          | 0.43              |
| OPEN                  | 0.97           | 0.21              | 0.99          | 0.26              | 1.22          | 0.30              | 1.40          | 0.36              | 1.50          | 0.40              |

#### COMPLETING THE PART NUMBER:

58XX-7X12-B584

- Steel Mounting Plate (Other Types Available)
- Desired Shut-off Pressure & Code  
A = 30PSI    C = 45PSI    E = 60PSI  
B = 40PSI    D = 50PSI    F = 70PSI
- 70 PSI Pressure Switch Limit (Maximum Flow Components)
- Select Pumphead Model From Performance Data Chart
- 3 = Open Ports for 3/8" Compression Fitting
- 5 = Push-to-Connect Ports for 3/8" Tubing

#### TECHNICAL SPECIFICATIONS:

##### POWER:

Available motors from 12VDC to 230VAC, energy requirements between 25W-100W (depending on flow, pressure). Can be used with compatible transformers and/or DC power supplies, to be ordered separately. Standard terminations are 12", stripped end leadwires. Connectors and power cords are also available.

##### ENVELOPE DIMENSIONS:

Approximately 3" x 4" x 7", weighing 6 lbs.

##### MOUNTING:

All positions. Standard offering is a steel mounting base with four hollow rubber grommets.

##### CONTROL OPTIONS:

Internal Bypass (20-200 psi), Pressure Switch (40-100 psi)

##### FITTINGS:

5800 Series options include built-in 3/8", 1/4", or 5/16" John Guest half cartridges. 7800 Series options include 3/8" or 1/2" hose barb, quick connect fittings.

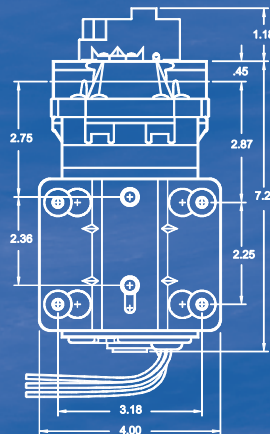
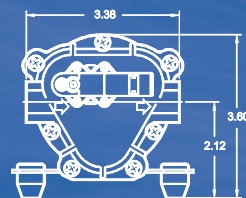
##### PRIMING CAPABILITIES:

|                 | 58X0 | 58X1 | 58X2 | 58X3 | 58X4 |
|-----------------|------|------|------|------|------|
| PRIME<br>(FEET) | 7    | 8    | 9    | 10   | 11   |

#### TYPICAL APPLICATIONS

Water Treatment/RO  
Beverage/Foodservice  
Distillation Equipment  
Agricultural Spraying  
General Industrial  
Automotive

**FULL RANGE CAPABILITIES FOR  
5800/7800 MODELS ARE .2 GPM  
TO 2.0 GPM, 150 PSI MAXIMUM.**



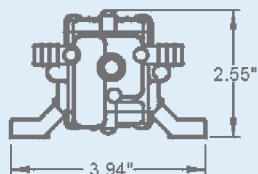
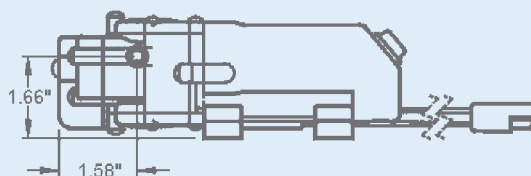
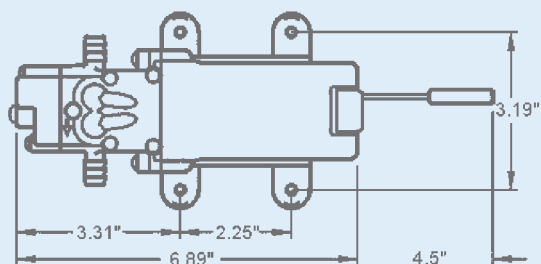
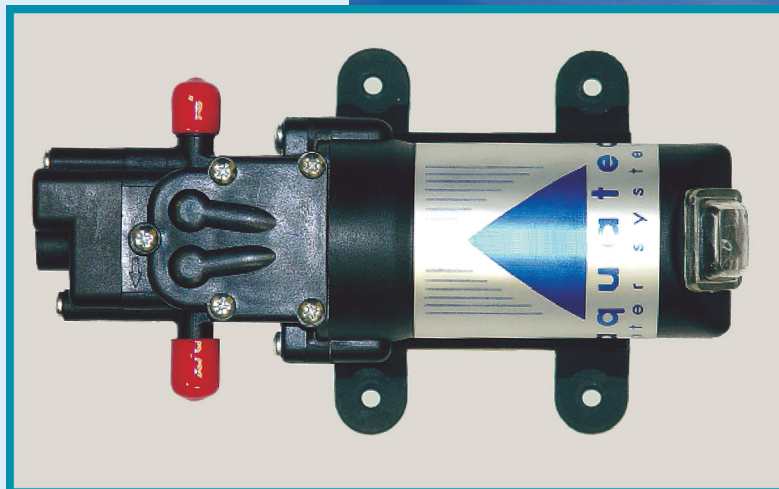
## MINI DEMAND | DELIVERY PUMPS

## DIAPHRAGM PUMPS

### 2800 SERIES

The 2800 Series is a “mini” delivery pump designed for applications where package size is a primary concern. This pump delivers up to 1 GPM at pressures up to 40 PSI. It is designed for intermittent duty but, depending on the application, can be run continuously for hours at a time.

These pumps are well suited for a variety of applications, particularly bottled water delivery, agricultural spraying and soil extration.



### TYPICAL APPLICATIONS

Bottled Water Delivery  
 General Industrial  
 Agricultural Spraying  
 Alternative Energy/Solar

### TECHNICAL SPECIFICATIONS:

|                      |                                                    |
|----------------------|----------------------------------------------------|
| POWER:               | 12 VDC                                             |
| ENVELOPE DIMENSIONS: | Approximately 2.5" x 4" x 7", weighing 1.5 lbs.    |
| MOUNTING:            | Integrated flexible, vibration dampening baseplate |
| CONTROL OPTIONS:     | Pressure Switch (40 psi)                           |
| FITTINGS:            | 3/8" Hose barb                                     |