

# 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.



### TYPICAL APPLICATIONS

- Water Treatment/RO
- Beverage/Foodservice(\*)
- Distillation Equipment
- Agricultural Spraying
- General Industrial
- Automotive

(\*)See sample data sheet at right for model number 5852-7E12-B584, a basic demand/delivery pump

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

PERFORMANCE DATA										
DISCHARGE PRESSURE (PSI)	PUMPHEAD MODEL									
	58X0		58X1		58X2		58X3		58X4	
	FLOW (GPM)	CURRENT (AMPS)	FLOW (GPM)	CURRENT (AMPS)	FLOW (GPM)	CURRENT (AMPS)	FLOW (GPM)	CURRENT (AMPS)	FLOW (GPM)	CURRENT (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	0.22	1.22	0.30	1.40	0.36	1.50	0.40

### COMPLETING THE PART NUMBER:

- 58XX-ZX12-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. For additional information on fittings, please refer to page 21.

**PRIMING CAPABILITIES:**

	58X0	58X1	58X2	58X3	58X4
PRIME (FEET)	7	8	9	10	11

