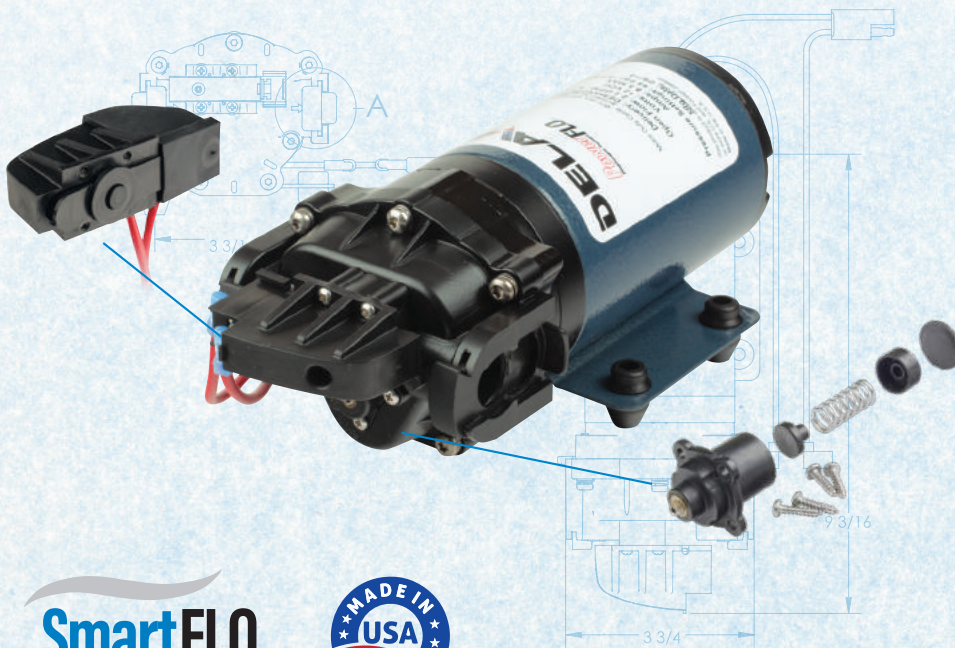


# Diaphragm Pumps

## Engineered for Excellence



SmartFLO technology automatically adapts flow rates to provide optimal performance in any application. Harmful rapid switch cycling is completely eliminated to extend pump life with no additional setup required.

**Pump Type:** Bypass - Demand

**Flow:** Up to 2.2 GPM

**Pressure:** 85 PSI

**Valves:** Viton

**Diaphragm:** Santoprene

**Ports:** 3/4" Quick Attach

**Power:** 12V – Wire Leads with 2-Pin Molded Connector

**Weight:** 6 lbs.

**Packaging:** Bulk Box, Retail Box

**Shipping:** 8 Per Carton Bulk, 8 Per Carton Retail

- 100% Factory Tested
- Self-Priming
- Can be Run Dry
- Custom Options Available
- High Torque Motor for Superior Flow at Pressure

2.2 GPM Demand

| PSI | GPM  | AMPS |
|-----|------|------|
| 0   | 2.22 | 3.38 |
| 10  | 2.2  | 3.77 |
| 20  | 2.15 | 4.39 |
| 30  | 2.1  | 5.34 |
| 40  | 1.95 | 6.32 |
| 50  | 1.82 | 7.14 |



# Diaphragm Pumps

## Selecting the Right Pump

### Bypass Pumps

- Internal Bypass Valve built into pump head.
- Designed for systems with multiple flow and pressure requirements.  
(*Sprayer bar, wands, multiple outlet systems*)
- Pump stays running ready to deliver full power.
- Suited for multiple demands in a single system.
- Disadvantage: Pump can overheat if run for long periods with closed outlets.

### Demand Pumps

- Built in pressure switch automatically starts and stops the pump at pre-set pressure limit.
- Designed for systems with specific flow and pressure requirements:  
(*Spots sprayers, boom sprayers, soft washing*)
- Pump only runs when flow is needed.
- Noise reduction when system is idle.
- Easy to repair and replace parts.
- Disadvantage: Improperly set systems can cause cycling.

### SmartFLO

- Combines the advantages of both Bypass and Demand Controls.
- Utilizes Pressure Sensing Demand Switch AND Internal Bypass Valve.
- Automatically adapts to changing system demands.
- Constant and instant flow eliminates pump cycling.
- Will turn off when not in use and outlets are closed.
- Low chance of overheating when run for long periods.
- Fits all applications:
  - RV and Marine systems
  - Small to medium size sprayers
  - Multi-outlet systems

### Extreme Duty Pumps

- Heavy duty Geolast diaphragms matched with powerful high torque motors.
- Optimal performance when pumping harsh chemicals and oil-based fluids.
- Greater chemical compatibility and abrasion resistance to handle the most extreme workloads.
- Not to be used with flammable/combustible liquids.

### Heat Sinks

- Reduce motor temperature and extend life up to 50%.
- Aluminum alloy dissipates heat easily along engineered fins.
- Recommended for high duty cycle applications and when operated above 90° ambient temperatures.

