



FA-2E Specifications

Model Code:

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|-----|-----|-----|
| FA- | 2E- | W02 |
| 1 | 2 | 3 |

1. Series Code: FA Series – Non-metallic pump for medium temperature liquid
2. Maximum discharge volume: 0.5 Gal/min (2 L/min)
3. Special specifications: No symbol: Threaded suction & discharge
W02: Tubing connections

FA-2E Pump Specifications:

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|--|----------------------------------|
| Max discharge volume ¹ | 0.5 Gal/min (2 L/min) |
| Max stroke speed | 150 spm |
| Max stroke length | 0.2 in (5 mm) |
| Self-priming ability ² | 3 ft (1m) |
| Liquid temp range | 41-212°F (5 –100°C) |
| Max supply air pressure | 56 psi (4 kg/cm ²) |
| Liquid contacting material | PTFE/PFA |
| Liquid piping connection port ³ | PFA 3/8" tubing (N 9.53 x N 6.3) |
| Supply air connection port | 1/4" PT |
| Max air consumption | 13.2 CFM (50 NL/min) |
| Ambient temperature | 32-104°F (0-40°C) |

Notes:

1. The maximum discharge volume is based on pure water at 38°F (20°C).
2. The self-priming value is based on the maximum stroke rate with pure water at room temperature.
3. Threaded type connections use 1/8 PT female threads.

Proximity Sensor Specifications (for FA-2E pumps):

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|---------------------------|---|
| Type | High frequency oscillation switch |
| Output system | NPN DC open/close output |
| Power source voltage | 12-24 VDC \pm 10%, ripple (P-P): 10% max |
| Current consumption | 13 mA max |
| Setting distance | Less than 80% of the switching distance |
| Hysteresis | 10% max of detecting distance |
| Switching distance | 1.5 mm (0.06 in) \pm 10% |
| Switching frequency | 800 Hz |
| Output characteristics | Load Current/100 mA max (+12/+24 VDC) |
| | Residual voltage/less than 1.5V (10.0V typ) |
| | Leakage current/less than 100 mA |
| Environmental temperature | -13°F to 176°F (-25 to 80°C) |
| Insulation voltage | 100 VAC 50/60 Hz 1min |
| Insulation resistance | More than 50 m Ω |
| Vibration resistance | 10-55 Hz, 1.5mm double amplitude |
| Shock resistance | 30 G |
| Protective construction | IEC IP-67, NEMA type 6 |
| Case material | SUS304 |
| Cable | Oilproof vinylchloride: length 6.56 ft (2m) |
| | Diameter: 0.138 in (3.5mm) |

Connection:

