

Flowmeter MODEL ESF

Save resources and extend seal life



Model ESF sealing liquid monitor is designed for applications where uninterrupted seal water flow is required. Adequate seal water flow for cooling and lubrication result in water savings, energy savings, reduced maintenance, and extended life of seals. The Thomson ESF single flow meter is an excellent choice for all styles of compression packing, single mechanical seals, FLOW PRO™ sealing systems - for applications where gland water reduction and minimizing product dilution is essential. The sturdy modular construction and many accessories make it very flexible.

FEATURES / BENEFITS

- Reliable operation.
- Solid construction.
- Excellent corrosion and heat resistance.
- Detachable metering scale.
- Built-in pressurizing valve.
- Alarm-ready.
- Clog resistant flow control valve.
- 3 connector options.
- Mounting bracket.
- Built-in tube cleaner.
- PSU (polysulphone) tube - freeze resistant.

TYPICAL APPLICATIONS

FLOW PRO™ sealing system
Single mechanical seals
Gland packings

OPTIONS

Glass Tube
Inductive adjustable alarm
Pressure gauge
Floor mounting stand
Hose barb connectors, straight tube connectors for compression fittings or 3/8" compression fittings
Pressurizing valve

SPECIFICATIONS

Body: Standard Delrin (POM) or Kynar (PVDF)

Metering Tube: Polysulphone (PSU)

*standard material - freeze resistant

Metallic Parts: AISI 316 and AISI 304

Seals: Viton® o-rings

Pressure, Max: 435 psi at 120°F

Temperature, Max:

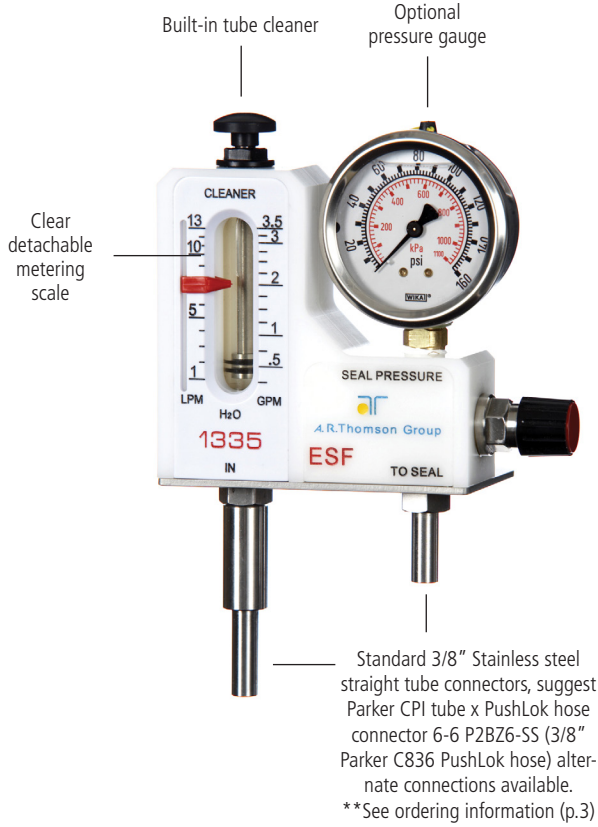
POM body / PSU tube: 212°F (100°C)

Kynar body / PSU tube: 266°F (130°C)

Connection: Standard 3/8" OD stainless straight tube

Weight: 3.5 lbs / 2.3 kg c/w pressure gauge, pressurizing valve, and packaging

STANDARD ESF SINGLE MODEL - PART # ESF-1335-PSE-XXX



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STANDARD ESF DUAL MODEL - PART # ESF-1335-PSE-XXX - ORDER FORM

| ESF | | | | | | | | SINGLE FLOW MONITOR | |
|-----|-------------|--|--|--|--|--|--|---------------------|-----------|
| | 350 | | | | | | | 3 LPM | 50 USGPH |
| | 120 | | | | | | | 1 LPM | 20 USGPH |
| | 1335 | | | | | | | 13 LPM | 3.5 USGPM |
| | 82 | | | | | | | 8 LPM | 2 USGPM |

BODY MATERIAL

| | | | | | | | | |
|----------|--|--|--|--|--|--|--|-----------------------|
| P | | | | | | | | Delrin (POM) STANDARD |
| K | | | | | | | | Kynar |

CONNECTION TYPE

| | | | | | | | | |
|----------|--|--|--|--|--|--|--|---|
| H | | | | | | | | 3/8" ID Hosebarb |
| S | | | | | | | | 3/8" OD Straight Tube |
| T | | | | | | | | 3/8" Compression Fitting (C/W Nut and 2 Ferrules) |

PRESSURE GAUGE

| | | | | | | | | |
|----------|--|--|--|--|--|--|--|------------------------------|
| A | | | | | | | | 15 psi |
| B | | | | | | | | 30 psi |
| C | | | | | | | | 60 psi |
| D | | | | | | | | 100 psi |
| E | | | | | | | | 160 psi |
| F | | | | | | | | 200 psi |
| G | | | | | | | | 300 psi |
| H | | | | | | | | 400 psi |
| I | | | | | | | | 100 psi with red set pointer |
| J | | | | | | | | 160 psi with red set pointer |
| K | | | | | | | | 200 psi with red set pointer |
| L | | | | | | | | 300 psi with red set pointer |
| M | | | | | | | | 400 psi with red set pointer |

OPTIONS

| | | | | | | | | |
|----------|----------|----------|--|--|--|--|--|---|
| P | | | | | | | | Pressuring valve (for double seal with ESF Model) |
| | S | | | | | | | Stand |
| | | A | | | | | | Alarm 10–55 VDC 150 mA (IG 5919) |
| | | B | | | | | | Alarm 20–250 VAC/DC 300 mA (IG 0374) |

