# FS-4 Series – Low Cost, Molded Plastic Construction

**Flow Rate Settings:** 0.1 GPM to 1.5 GPM
**Port Size:** 9/16˝-18 UNF
**Primary Construction Material:** Ryton®
**Setting Type:** Fixed

The FS-4 Series makes flow protection economical for a broad range of industrial applications such as welders, lubrication systems, medical sterilizers and laundry chemicals dispensing.

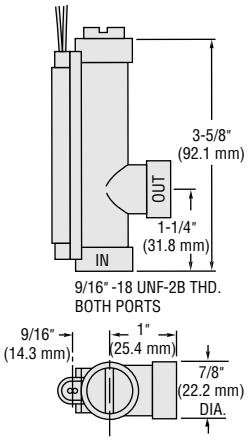
U.L. Recognized —
File No. E31926
CSA Listed —
File No. LR30200

## Specifications

| | |
|---|---|
| **Wetted Materials** | |
| **Housing and Piston** | Ryton® R4 |
| **Spring** | 316 Stainless Steel |
| **O-Ring** | Viton® |
| **Other Wetted Parts** | Epoxy |
| **Operating Pressure, Maximum** | 250 PSIG @ 17°C |
| **Operating Temperature** | 0°F to 225°F (17°C to + 107°C) |
| **Set Point Accuracy** | ±15% Maximum |
| **Set Point Differential** | 20% Maximum |
| **Switch*** | SPST or SPDT, 20 VA |
| **Inlet/Outlet Ports** | 9/16˝-18 UNF-2B Thread |
| **Electrical Termination** | No. 18 AWG, 24˝ L., PVC Lead Wires |

* See "Electrical Data" on Page D-4 for more information.
Polysulfone bodies and fitting available; consult factory.

## Dimensions

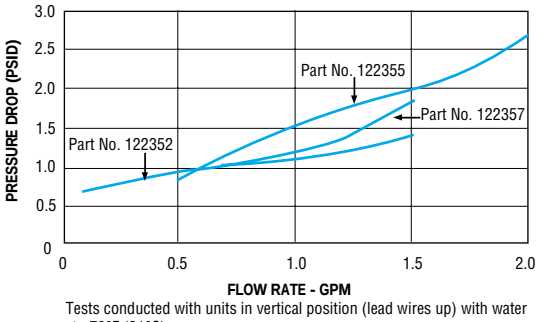



## How To Order – Standard Models

| Housing and Piston Material | Flow Setting GPM | Part Numbers | | |
|---|---|---|---|---|
| | | SPST Switch | | With SPDT Switch |
| | | N.O., No Flow | N.C., No Flow | |
| Ryton® | 0.1 | 122340 ⚡ | 122346 | 122352 ⚡ |
| | 0.25 | 122341 ⚡ | 122347 | 122353 ⚡ |
| | 0.5 | 122342 ⚡ | 122348 | 122354 ⚡ |
| | 0.75 | 122343 | 122349 | 122355 ⚡ |
| | 1.0 | 122344 ⚡ | 122350 | 122356 |
| | 1.5 | 122345 ⚡ | 122351 | 122357 ⚡ |

Notes:
1. Flow settings are calibrated using water @ +70°F on increasing flow, with units in a vertical position (lead wires up).
2. Care should be taken by specifiers to ensure fluid compatibility with the above listed wetted materials.
3. Port adapter fittings are recommended for conversion from 9/16˝-18 UNF straight thread to customer's line size.
4. Use of 50 micron filtration is recommended.

## Pressure Drop – Typical




Tests conducted with units in vertical position (lead wires up) with water at +70°F (21°C).

## Port Adapters for FS-4

Converts 9/16˝ threaded ports to NPT or barbed connection. Made of Ryton®-R4 or polypropylene with O-Rings in place.

CAUTION: Do not exceed 15 in./lbs. maximum torque when installing adapter fittings.

| Material | Adapter Size | Part Numbers |
|---|---|---|
| Ryton® | 1/8" NPT* | 123028 ⚡ |
| | 1/4" NPT* | 123029 ⚡ |
| Polypropylene | 1/4" NPT* | 158602 ⚡ |
| | 1/2" Barb** | 158603 ⚡ |

*Wrench flats provide for proper assembly.
**Accepts 1/2˝ I.D. flexible hose
⚡ – Stock Items.