PLAST-O-MATIC
1/4″ UPR DATA & INSTRUCTIONS

1-1/8″ HEX. 1.28″ ACROSS POINTS

5-9/16″ AT MIN. SET PRESSURE (APPROX. 5″ AT 30 PSI SET PRESSURE)

Ø1.31″

2.69″

Ø2.25″ PVDF UNION NUT

1/4″ FNPT

.89″

8 - 32 x 9/16 MOUNT THREADS

2.08″ ACROSS PORTS

1.46″

1.46″

2.08
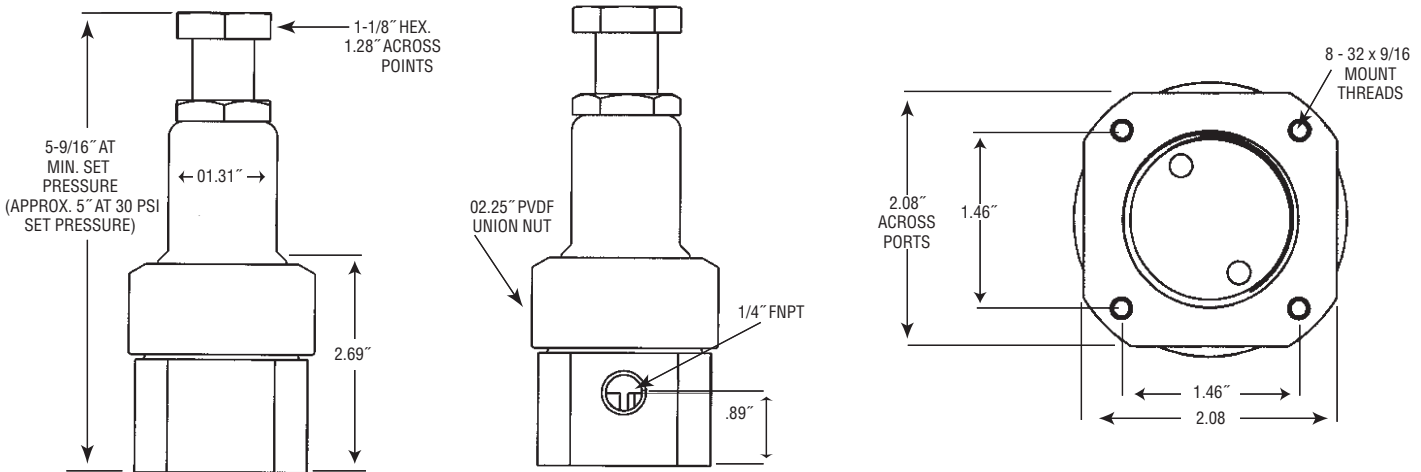
**This procedure may aid in the setting of a non-shut off pressure regulator.**

1. Properly install the regulator in the system and pressurize the system.

2. Unscrew the regulator pressure adjusting screw all the way out.

3. Significantly open the downstream valve to start the flow and reduce the working pressure downstream of the non-shut off pressure regulator.

4. Start closing the downstream valve to restrict the flow till a pressure increase is seen downstream of the pressure regulator.

5. Start screwing in the regulator pressure setting screw. Adjust the downstream valve and the regulator adjusting screw a little at a time until the pressure downstream of the regulator meets the desired setting.

Keep in mind that this is a non-shut off pressure regulator and must be set under a flowing condition. The minimum flow rate at set pressure is between 0.25 and 0.3 GPM (depending on inlet pressure and set pressure). Reducing the flow less than the flow when the regulator was set will cause the downstream pressure to rise above the set pressure. Stopping the flow completely will cause the downstream pressure to rise to equal the upstream pressure.

UPR025 FLOW TEST
TESTED WITH CITY WATER, 85 PSI INLET, 30 PSI SET PRESSURE, 0.3 GPM FLOW AT SET. TESTED WITH SCHEDULE 80 PIPE LINE - 5-45 PSI SET PRESSURE RANGE

FLOW (GPM) vs DROOP (PSI)
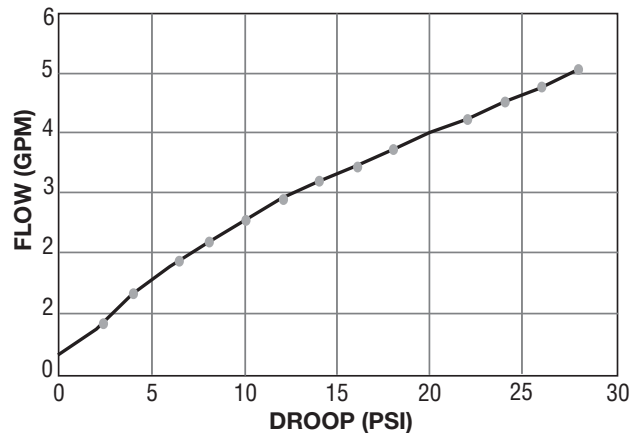
- All wetted body parts are PTFE; wetted diaphragm is TFM.
- Non-wetted side of diaphragm is FKM, non-wetted stainless steel spring is PVDF encapsulated, external adjusting screw and lock nut are nylon. All other non-wetted parts are PVDF.
- High flow rate with minimal drop-off from set pressure.

SPECIFICATIONS:
- Maximum inlet pressure: 120 PSIG (827 kPA)
- Set pressure range: 0 to 30 PSIG (0 to 207 kPA)
- Ambient temperature range: -60º to 212ºF (-51º to 100ºC)
- Media temperatue range: -60º to 212ºF ([51º to 100ºC)
- Connection size: 1/4″ FNPT / will accept female flare threaded connection with PTFE tape sealant.

PLAST-O-MATIC
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