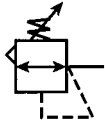
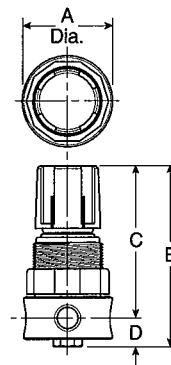


PR364 Regulator - Miniature



Features

- Stainless Steel Construction handles most corrosive environments.
- Large diaphragm to valve area ratio for precise regulation and high flow capacity.
- Meets NACE specifications.
- High Flow: 1/4" – 12 SCFM[§]

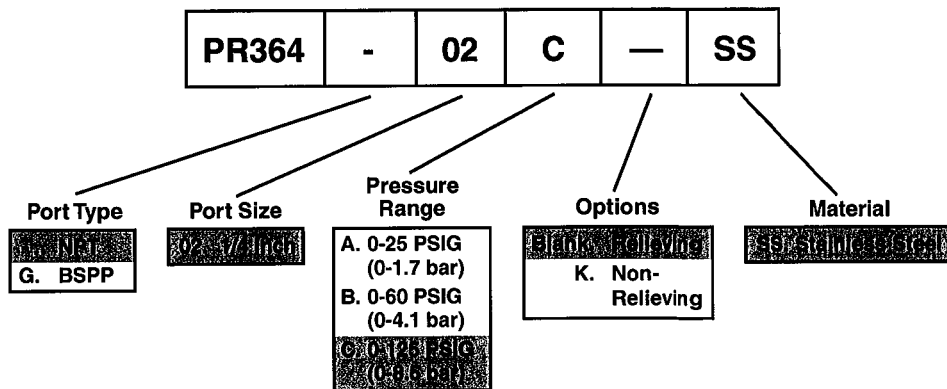


Port Size	NPT	BSPP
1/4"	PR364-02CSS	PR364G02CSS

PR364 Regulator Dimensions		
A	C	D
1.56 40mm	2.56 65mm	.50 13mm
E		
3.06 78mm		

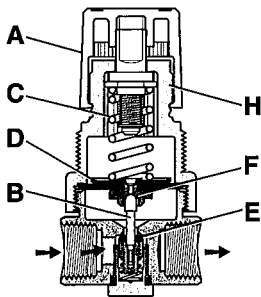
Standard part numbers shown, for other models refer to ordering information below.
[§] SCFM = Standard cubic feet per minute at 100 PSIG inlet, 75 PSIG no flow secondary setting and 125% pressure drop.

Ordering Information



NOTE: Shaded items are standard.

Operation



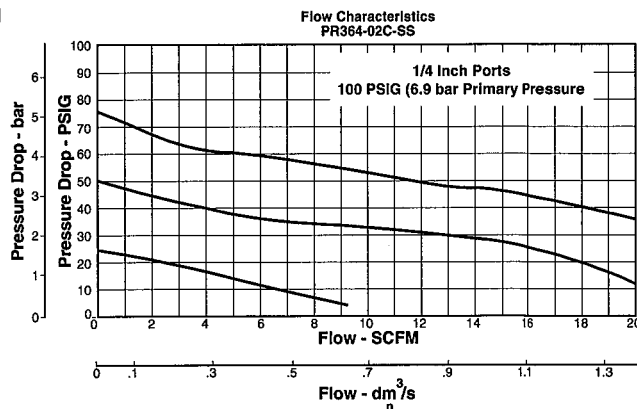
With the adjusting knob (A) turned fully counter-clockwise (no spring load), and pressure supplied to the regulator inlet port, the valve poppet assembly (B) is closed. Turning the adjusting knob clockwise applies a load to control spring (C). This load causes the diaphragm (D) and the valve poppet assembly (B) to move downward allowing flow across the seat area (E) created between the poppet assembly and the seat. Pressure in the downstream line is sensed below the diaphragm (D) and offsets the load of spring (C). As downstream pressure rises, poppet assembly (B) and diaphragm (D) move upward until the area (E) is closed and the load of the spring (C) and pressure under diaphragm (D) are in balance. A reduced outlet pressure has now been obtained, depending on spring load. Creating a demand downstream, such as opening a valve, results in a reduced pressure under the diaphragm (D). The load of control spring (C) now causes the poppet assembly to move downward opening seat area (E) allowing air to flow to meet the downstream demand. The flow of downstream air is metered by the amount of opening (E).

Should downstream pressure exceed the desired regulated pressure, the excess pressure will cause the diaphragm (D) to move upward against control spring (C), open vent hole (F), and vent the excess pressure to atmosphere through the hole in the bonnet (H). (This occurs in the relieving type regulator only.)

WARNING

Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.

Technical Information



PR364 Regulator Kits & Accessories

- Bonnet Kit (Knob Included) PCKR364YSS
- Gauge – 160 PSIG (0 to 1100 kPa) 274Y160SS
- Panel Mount Nut PR05X51SS
- Pipe Nipple – 1/4" 316 Stainless Steel 616Y28-SS
- Service Kit – Relieving PRKR364YSS
- Non-Relieving PRK364KYSS
- Springs – 0-25 PSIG Range SPR-375-2-SS
- 0-60 PSIG Range SPR-376-1-SS
- 0-125 PSIG Range SPR-377-1-SS

Specifications

- Gauge Port 1/4 Inch
- Operation Fluorocarbon Diaphragm
- Port Threads 1/4 Inch
- Pressure & Temperature Ratings – 300 PSIG Max (20.7 bar)
40°F to 150°F (4°C to 66°C)
- Weight5 lb. (.23 kg)

Materials of Construction

- Adjustment Mechanism / Springs 316 Stainless Steel
- Body 316 Stainless Steel
- Bottom Plug 316 Stainless Steel
- Poppet 316 Stainless Steel
- Bonnet Acetal
- Seals Fluorocarbon
- Knob Polypropylene