

Type 40H

Hydrogen Pressure Regulator Series

Features

- Superior regulation characteristics
- Rugged, corrosion resistant construction
- Excellent stability and repeatability
- Low droop at high flow
- Hydrogen applications

Type 40 Specifications

Sensitivity	1" Water Column (2.5 cm)
Flow Capacity @ 100 psig (6.9 BAR) Supply and 20 psig (1.4 BAR) outlet	20 SCFM (566 LPM)
Effect of Supply Pressure Variation (25 psig/1.7 BAR) on Outlet Pressure	Less than 0.2 psig (0.01 BAR)
Max Supply Pressure	150 PSIG (10.3 BAR)
Effect of Changes in Flow on Regulated Pressure (100 psig / 6.9 BAR Supply)	2 PSIG over flow of 10 SCFM / 283 LPM (0-30 PSIG / 0-2.1 BAR range 1/4 NPT, 20 PSIG / 1.4 BAR set point)
Output Pressure Ranges	0-10 PSIG (0-0.7 BAR) 0-35 PSIG (0-2.4 BAR) 0-60 PSIG (0-4.1 BAR) 0-120 PSIG (0-8.3 BAR)
Temperature Range	0-160°F (-18 to 71°C)
Total Air Consumption @ Maximum Output	6 SCFH (2.8 LPM)
Port Size	1/4 NPT, BSPT, 7/16" UNF
Materials of Construction	Body: Aluminum with vinyl paint Adjusting Screw: Plated steel Trim: Plated steel, brass, acetal resin Diaphragm: Buna-N elastomer and polyester fabric Knob: Phenolic Plastic (option) Spring: Music wire

