R88 Series

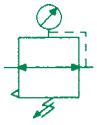
Application

The 880 Series pressure control regulator is designed for high flow and accurate pressure control utilizing a rolling diaphragm to insure a constant output pressure. The 88 model maintains stability even with wide supply pressure variations.

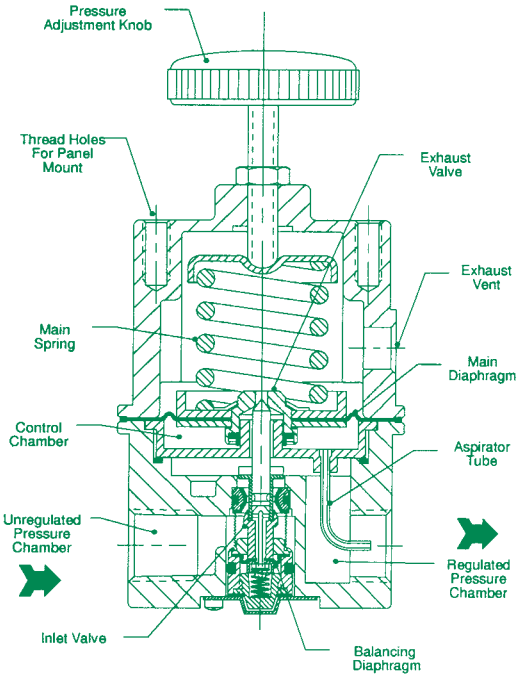
The 881 Series back pressure regulator is a high flow, highly accurate pneumatic relief valve with an adjustable set point. Its primary function is to provide protection against over pressurization in the downstream portion of a pneumatic system. This precision unit is capable of handling flows up to 50 SCFM. A rolling diaphragm provides the sensitivity that causes the unit to vent to atmosphere in response to the slightest upstream changes.

Recommended Uses

- Test Equipment
- Roll Loading
- Web Tensioning
- Actuators
- Gas Mixing
- Test Panels
- Clutch and Brake Controls



ANSI SYMBOL



R880 Pictured Above (NOT R881)

Specifications

	High Flow Precision Regulator R88 Series
Flow Capacity	see flow characteristics (next page)
Exhaust Capacity	4 SCFM (6.7 m3/hr)
Sensitivity	.25 inches (6.33 mm) of water
Total Air Consumption	1.0 to 12.5 SCFH (.03 to .37 m3/hr), depending on output pressure
Supply Pressure Variation	.1 PSI (.7 kPa) @ 100 PSI (700 kPa) change
Maximum Supply Pressure	250 PSIG (1750 kPa)
Temperature Range	-40° F to +160° F (-40° C to 71° C)
Weight	1.6 lbs (.74 kg)
Materials	Body: Die Cast Zinc Diaphragms: Buna - N Volume Capsule: Stainless Steel Knob: Phenolic Plastic

How To Order

R 88 0 – 02 FG _ _

Model
R = Regulator

Series
88 = High Flow Precision

Style
0 = Standard High Flow Precision Regulator
1 = Back Pressure Precision Regulator

Threads
– = NPTF (Style 880 and 881)
G = G tap (BSPP) {Style 880 Only}

Options
A = 0-2 PSIG (R880 only)
B = 0-15 PSIG
C = 0-30 PSIG
E = 1-60 PSIG
F = 2-150 PSIG
G = Gauge
M = Mounting Bracket
T = Tamper proof

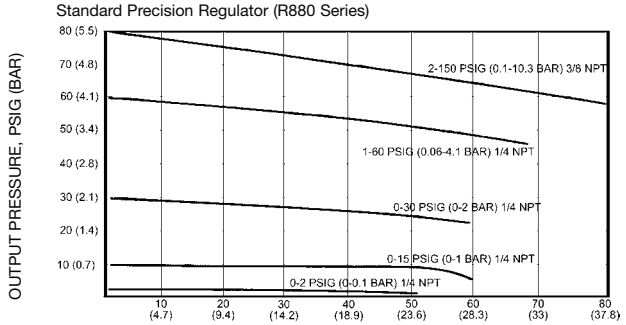
Port Size
02 = 1/4
03 = 3/8
04 = 1/2

Note: R881 Series available in NPT only

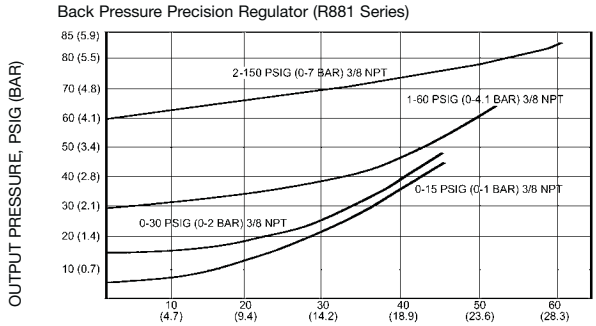
Flow Ratings (based on 100 PSIG inlet)

R880-02A pictured

Standard Precision Regulator (R880 Series)



Back Pressure Precision Regulator (R881 Series)



Dimensions: Inches (mm)