

# Type 50

## Filter Regulator Series

### Features

- Superior regulation characteristics
- Rugged, corrosion-resistant construction
- Excellent stability and repeatability
- Self-relieving
- Integral, 40 micron, self cleaning filter
- Low droop at high flow
- Several mounting options
- Meets ATEX  $\text{II 2 G Dc T 6}$  (Non-electrical certification)

### Applications

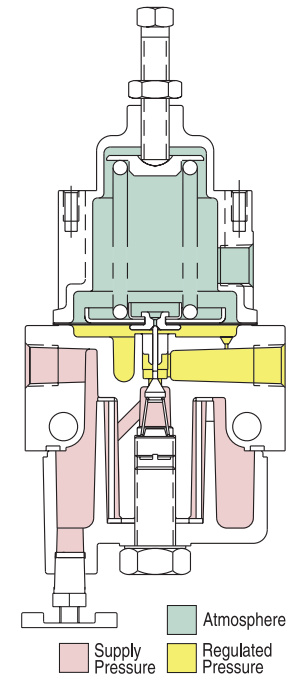
The design of these regulators is well suited to pilot-operated controllers, and instruments, applications such as air chucks, air spray guns, air cylinders and actuators, and a wide range of industrial pneumatic systems and equipment.

### Type 50 Specifications

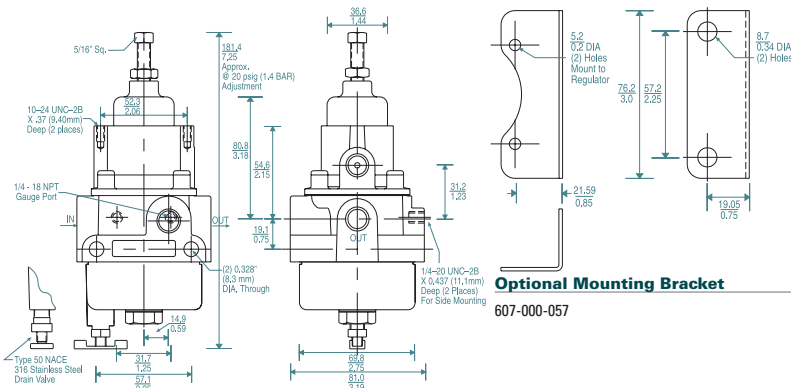
	Type 50
Sensitivity	1" Water Column (2.5 cm)
Flow Capacity @ 100 PSIG (6.9 BAR) Supply and 20 PSIG (1.4 BAR) outlet	20 SCFM (566 LPM)
Effect of Supply Pressure Variation (25 PSIG/1.7 BAR) on Outlet Pressure	< 0.2 psig (0.01 BAR)
Exhaust Capacity 5 psig (0.35 BAR) above 20 psig set point	0.1–0.45 SCFM Typical (2.8 - 12.7 LPM)
Maximum Supply Pressure	250 PSIG (17.2 BAR)
Effect of Changes in Flow on Regulated Pressure (100 PSIG / 6.9 BAR Supply)	4 PSIG / 0.3 BAR over flow of 10 SCFM / 283 LPM (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
Size	3.19" X 3.19" X 7.25" (81 X 81 X 184 mm)
Weight	1.81 lb. (0.8 kg)
Materials of Construction	Body: Die cast 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
Mounting Options	Pipe, Panel, Bracket or Thru Body Holes



**Type 50**  
Pressure Regulator Series



### Type 50 Dimensional Drawing



### Type 50: Regulated Pressure VS. Flow

