

T50 & T100

FILTER REGULATOR



• FEATURES

- Rugged corrosion resistant construction
- Superior regulation characteristics
- Excellent stability and repeatability
- Self-relieving
- Integral 40 micron self cleaning filter
- Low droop at high flow
- Several mounting options
- Low cost
- 250 psi pressure rating

APPLICATION

The regulator design is well suited for a wide range of industrial pneumatic systems and equipment including air cylinders and actuators, air chucks, air spray guns and pilot-operated controllers and instruments.

DESCRIPTION

INCO's Type 50 & Type 100 Filter Regulators are reliable precision units designed for instrumentation and general purpose use in both standard environments (Type 50) and corrosive environments (Type 100).

Test data for these regulators show excellent performance characteristics. The regulators have superior supply pressure sensitivity, repeatability and stability.

The regulators have a rugged construction, the T50 regulator housing is made from epoxy coated die cast aluminium, and the T100 housing is made from stainless steel.

All models are pressure and leak tested prior to shipment from the factory.

Careful design and quality materials throughout assure long, trouble-free operation in even the most challenging applications and environments. A rubberized soft-seat valve stem provides positive shut-off making it resistant to particles and dirt. An aspirator maintains downstream pressure and compensates for droop when high flow occurs. The full flow gauge port is convenient for gauge installation and can also be used as an additional full flow outlet. The type 50 regulators include a unique self-cleaning 40



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TECHNICAL DATA

MODEL	TYPE 50	TYPE 100
Sensitivity	1" (25.4mm) Water Column	1" (25.4mm) Water Column
Flow Capacity	20 SCFM (565LPM)	20 SCFM (565LPM)
Effect of Supply Pressure variation (25psi) on Outlet Pressure	<0.2 psi (0.01 BAR)	<0.2 psi (0.01 BAR)
Exhaust Capacity (5 psi above 20 psi set point)	0.1–0.45 SCFM Typical (2.8–12.7 LPM)	0.1–0.45 SCFM Typical (2.8–12.7 LPM)
Maximum Input/Supply Pressure	250 psi (0.01BAR)	250 psi (0.01BAR)
Effect of Changes in Flow on Regulated Pressure (100 psi/6.9 BAR Supply)	4 psi (0.3BAR) over flow 10 SCFM (283 LPM) (1/4" NPT, 20 psi/1.4BAR set point)	5 psi (0.3BAR) over flow 10 SCFM (283 LPM) (1/4" NPT, 20 psi/1.4BAR set point)
Output Pressure Ranges	0–30 psi (0–2.1 BAR) 0–60 psi(0–4.1 BAR), 0–150 psi(0–10.3 BAR)	0–30 psi (0–2.1 BAR) 0–60 psi(0–4.1 BAR), 0–150 psi(0–10.3 BAR)
Temperature Ranges	0 to 160°F (–18 to 71°C)	–40 to 300°F (–40 to 150°C)
Tptal Air Consumption@Maximum Output	6 SCFH(2.8LPM)	6 SCFH(2.8LPM)
Port Size	1/4" NPT, BSPT	1/4" NPT, BSPT
Weight	0.7 kg/1.54 LB	1.6 kg/3.52 LB
Materials of body	Diecast aluminum with epoxy paint	Stainless steel 304/316/316L
Tamper Proof Cover	Yes	Yes
Mounting	Pipe, Panel, Bracket or Thru Body Holes	Pipe, Panel, Bracket or Thru Body Holes

DIMENSIONS

