Features

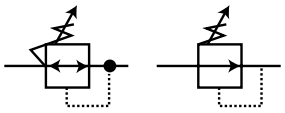


Miniature Series (1/8" and 1/4" Port Sizes)

For Accurate, Low-Cost Control of Air and Water Flow

- **Corrosion Protection** - Brass body with internal stainless steel valve spring provides corrosion protection against regulated fluids.
- **Accurate, Reliable Control** - Non-rising, locking adjustment knob maintains the desired setting.
- **Mounting Flexibility** - Panel mounting nut is part of the regulator and is included at no additional cost. Industry standard 1-3/16" - 18 threaded spring housing enables easy panel mounting (max. panel thickness is 3/16"). Available mounting bracket and stud mount provide a choice of wall mountings. Compact size is ideal for installations where space is limited.
- **Durability** - Brass construction makes this regulator the perfect choice for your most rugged and demanding air and water applications.

Graphic Symbols



Relieving Non-Relieving

Applications

- Medical and Dental Equipment
- Beverage Dispensing Equipment
- Lawn Irrigation Systems
- Water Purification Systems
- Car Wash Equipment
- Miniature Pneumatic Plumbing Circuits

Performance Specifications

Max. Inlet Press.:	250 PSIG (17 bar)
Max. Adjusted Press.:	125 PSIG (8.6 bar)
Operating Temp.:	0° to 150°F (-18° to 65°C)
Weight:	1/8" = .25 lbs. (115 g)
	1/4" = .22 lbs.(100 g)
Air Flow*:	1/8" = 13 SCFM
	1/4" = 13 SCFM
Water Flow:**	1/8" = 1.75 GPM
	1/4" = 2.0 GPM

* Air flow is at 125 PSIG (8.6 bar) inlet and 100 PSIG (6.9 bar outlet).
** Water flow is at 60 PSIG (4.1 bar) inlet and 40 PSIG (2.8 bar) outlet.

WARNING: These regulators are designed for use in industrial compressed air or water systems only. Never use these regulators where pressure or temperature can exceed the rated operating conditions. See SPECIFICATIONS.

Ordering

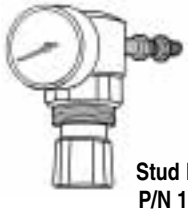
Model Number	Port Size NPT	Gauge Port NPT	Type
B27112-020	1/8"	1/8"	Non-Relieving
B27122-020	1/4"	1/8"	Non-Relieving
B27112-000	1/8"	1/8"	Relieving
B27122-000	1/4"	1/8"	Relieving

Accessories

Part Number	Description
29850	*Gauge 0-160 PSIG (0-11 bar)
29668	Mounting Bracket
104094	Panel Mounting Nut (Included with regulator)
104039	Stud Mounting

*Gauge has polycarbonate lens.

Dimensional Data



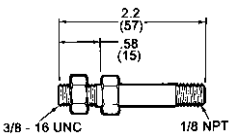
Stud Mount P/N 104039

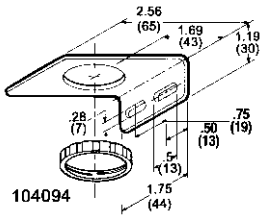


Mounting Bracket P/N 29668



Panel Nut P/N 104094





ARO | One Aro Center | P.O. Box 151 | Bryan, Ohio 43506-0151
(419) 636-4242 | (419) 633-1674 Fax | www.arozone.com

Accessory Kits

Filters

Kit Number:	Description:	Kit Contents:
29586	Coalescing .01-Micron Element	(1) Element
29660-1	5 Micron Element	(1) Element
29660-2	20-Micron Element	(1) Element
104257	Service Kit	(2) O-Rings
104258	Polycarbonate Bowl w/guard	(1) Polycarbonate bowl w/Guard (1) Valve, (1) O- Ring
104259	Composite Bowl	(1) Composite Bowl, (1) Valve, (1) O-Ring
104264	Automatic Drain Kit	(1) Pulse Drain, (1) O-Ring

Regulators

Kit Number:	Description:	Kit Contents:
104039	Stud Mount	(1) Stud and Mounting Nut
104109	Tamper Resistant Knob Kit	
104255	Service Kit (Relieving)	(1) Spring, (1) Washer, (1) Diaphragm, (1) O-Ring
104256	Service Kit (Non-Relieving)	(1) Spring, (1) Washer, (1) Diaphragm, (1) O-Ring
104265	Mounting Nut Bracket Kit	(1) Mounting Nut, (1) Wall Bracket

Lubricators

Kit Number:	Description:	Kit Contents:
104181	Service Kit	(1) Compensating Valve and O-Rings
104260	Polycarbonate Bowl w/Guard	
104261	Composite Bowl	(1) Composite Bowl, (1) O-Ring

Modular Components

Kit Number:	Description:	Kit Contents:
104253-1	Safety Lockout/Tagout	1/8" NPT Threads
104253-2	Safety Lockout/Tagout	1/4" NPT Threads
104253-1-B	Safety Lockout/Tagout	1/8" BSP Threads
104253-2-B	Safety Lockout/Tagout	1/4" BSP Threads
104254-1	Manifold	1/8" NPT Manifold, (1) Pipe Plug
104254-2	Manifold	1/4" NPT Manifold, (1) Pipe Plug
104254-1-B	Manifold	1/8" BSP Manifold, (1) Pipe Plug
104254-2-B	Manifold	1/4" BSP Manifold, (1) Pipe Plug
104262	T-Bracket Mounting Kit	(1) Bracket, (1) O-Ring, (2) Screws
104263	Clamp Kit	(2) Clamps, (1) O-Ring, (2) Screws
Y237-2	Pipe Nipple	1/8" NPT Threads
Y27-2-C	Pipe Nipple	1/4" NPT Threads