

**Pressure Regulator
1/4", 3/8", 1/2" Port Sizes**

- Large diaphragm provides accurate and quick response to changing flow demands and line pressure
- Floating valve pin provides positive valve seating
- Balanced valve minimizes effect of variations in inlet pressure on outlet pressure
- Standard relieving models allow reduction of downstream pressure when the system is dead-ended



Ordering Information. Models listed have PTF threads, T-bar adjustment, relieving diaphragm, and 5 to 125 psig (0.3 to 8.5 bar) outlet pressure adjustment range*.

Port Size	Model Number	Flow [†] scfm (dm ³ /s)	Weight lbs (kg)
1/4"	11-002-013	110 (52)	1.9 (0.86)
3/8"	11-002-037	110 (52)	1.9 (0.86)
1/2"	11-002-061	260 (123)	2.0 (0.91)

[†] Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and 15 psig (1 bar) droop from set.

*Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

Alternative Models

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Threads	Substitute
PTF	0
ISO G parallel	8
ISO G Rc	9

Option	Substitute
Handwheel adjustment	8C
Screw adjustment	8B
Mounting bracket assembled to unit	1A
Threaded bonnet for panel mounting, hand wheel adjustment	2A
Threaded bonnet for panel mounting, T-bar adjustment	2B
Threaded bonnet for panel mounting, screw adjustment	2C

Outlet Pressure Adjustment Range* 5 to 50 psig (0.3 to 3.5 bar)			
Port Size	Relief Type	Gauge	Substitute
1/4"	Non-relieving	Without	003
1/4"	Relieving	Without	015
3/8"	Non-relieving	Without	027
3/8"	Relieving	Without	039
1/2"	Non-relieving	Without	051
1/2"	Relieving	Without	063
1/4"	Non-relieving	With	009
1/4"	Relieving	With	021
3/8"	Non-relieving	With	033
3/8"	Relieving	With	045
1/2"	Non-relieving	With	057
1/2"	Relieving	With	069

Outlet Pressure Adjustment Range* 5 to 125 psig (0.3 to 8.5 bar)			
Port Size	Relief Type	Gauge	Substitute
1/4"	Non-relieving	Without	001
1/4"	Relieving	Without	013
3/8"	Non-relieving	Without	025
3/8"	Relieving	Without	037
1/2"	Non-relieving	Without	049
1/2"	Relieving	Without	061
1/4"	Non-relieving	With	007
1/4"	Relieving	With	019
3/8"	Non-relieving	With	031
3/8"	Relieving	With	043
1/2"	Non-relieving	With	055
1/2"	Relieving	With	067

Outlet Pressure Adjustment Range* 5 to 250 psig (0.3 to 17 bar)			
Port Size	Relief Type	Gauge	Substitute
1/4"	Non-relieving	Without	005
1/4"	Relieving	Without	017
3/8"	Non-relieving	Without	029
3/8"	Relieving	Without	041
1/2"	Non-relieving	Without	053
1/2"	Relieving	Without	065
1/4"	Non-relieving	With	011
1/4"	Relieving	With	023
3/8"	Non-relieving	With	035
3/8"	Relieving	With	047
1/2"	Non-relieving	With	059
1/2"	Relieving	With	071

* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

See Section ALE-24 for Accessories



Technical Data

Fluid: Compressed air
 Maximum pressure: 400 psig (28 bar)
 Operating temperature*: -30° to 175°F (-34° to 80°C)
 *Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C)
 Typical flow with 150 psig (10 bar) inlet pressure, 90 psig (6.3 bar) set pressure and 15 psig (1 bar) droop from from set:

1/4" and 3/8" ports: 110 scfm (52 dm³/s)

1/2" ports: 260 scfm (123 dm³/s)

Gauge ports

1/8" PTF with PTF main ports

Rc1/8 with ISO G and ISO Rc main ports

Materials

Body: Zinc

Bonnet: Aluminum

Valve: Brass and nitrile

Valve seat: Brass

Elastomers: Nitrile

Bottom plug

1/4" and 3/8" Ports: Brass

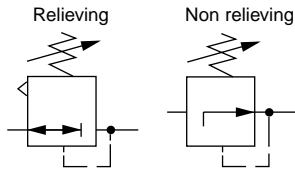
1/2" Ports: Nylon

Service Kits

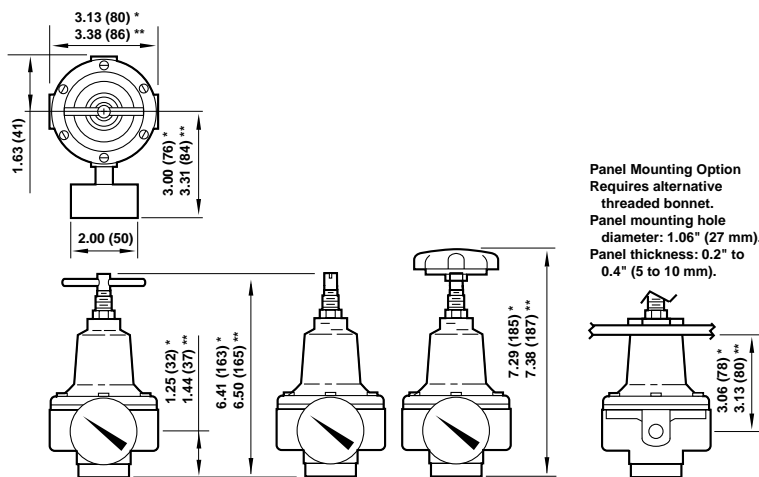
Type	Part number
Relieving, 1/4" and 3/8" ports	529-03
Relieving, 1/2" ports	535-03
Non-relieving, 1/4" and 3/8" ports	529-01
Non-relieving, 1/2" ports	535-01

Service kit includes diaphragm, valve, valve spring, and o-rings.

ISO Symbols



All Dimensions in Inches (mm)



* Regulators with 1/4" and 3/8" ports.

** Regulators with 1/2" ports.

Typical Performance Characteristics

