R24 Pressure Regulator 1/4" to 1-1/4" ports

- High flow regulator with exceptional high relief flow
- Adjusting knob can be set in the field to stop at some maximum pressure setting or some minimum pressure setting
- Easy to adjust even at high output pressures
- Balanced valve minimizes effect of variations in inlet pressure on outlet pressure
- Constant bleed feature provides maximum sensitivity to system changes
- Relieving feature allows reduction of downstream pressure when the system is dead-ended
- Full flow gauge ports



Technical data

Fluid:
Compressed air, neutral gases
NOTE: Contact technical support for use with other media.

Maximum inlet pressure:
300 psig (20 bar)
Operating temperature:
0° to 150°F (-20° 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 (100 bar) inlet pressure, 90 psig (6.3 bar) set pressure and 15 psig (1 bar) droop from set: 1/2" ports: 200 scfm (94 dm^3/s)
1-1/4" ports: 700 scfm (330 dm^3/s)

Maximum bleed rate at 50 psig (3.5 bar) outlet pressure: 0.031 scfm (0.016 dm^3/s) †

† Maximum bleed rate occurs under dead-end (no flow) conditions.

Port sizes:

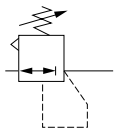
Main	Gauge
1/4"	1/4"
3/8"	3/8"
1/2", 3/4", 1", 1-1/4"	1/2"

Thread type: PTF, ISO G

Materials
Body, top cap: zinc
Main valve, adjusting screw: brass
Pilot valve, relief valve: acetal
Elastomers: nitrile
Bottom Plug: acetal

Ordering information

Models listed are constant bleed units with relieving diaphragm, 10 to 125 psig (0.7 to 8 bar) outlet pressure adjustment range, and PTF threads.

ISO Symbol	Port Size	Model	Weight lb (kg)
 Relieving	1/4"	R24-200-RNLA	1.90 (0.86)
	3/8"	R24-300-RNLA	1.83 (0.83)
	1/2"	R24-400-RNLA	1.79 (0.81)
	3/4"	R24-600-RNLA	2.73 (1.24)
	1"	R24-800-RNLA	2.73 (1.24)
	1-1/4"	R24-A00-RNLA	2.65 (1.20)

† Typical flow with 100 psig (7.0 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a droop of 15 psig (1 bar) from set.

Alternative Models

R24-★00-R★★★

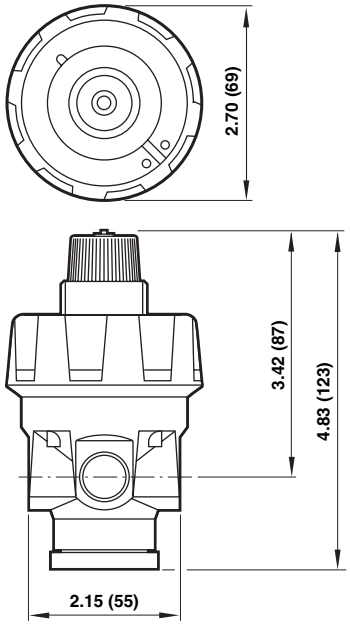
Port Size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6
1"	8
1-1/4"	A

Threads	Substitute
PTF	A
ISO G parallel	G
Outlet Pres Adj. Ranges*	**Substitute**
5 to 30 psig (0.3 to 2 bar)	C
5 to 60 psig (0.3 to 4 bar)	F
10 to 125 psig (0.7 to 8 bar)	L
10 to 250 psig (0.7 to 17 bar)	S
Gauge	**Substitute**
With	G**
Without	N

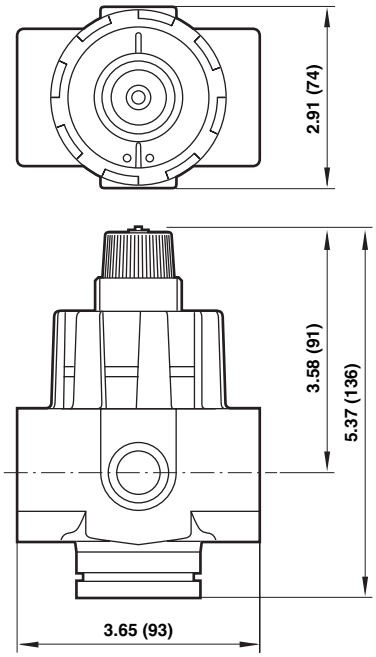
* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified.
Do not use these units to control pressures outside of the specified ranges.
** A factory included gauge is only available with PTF threads (A in last position of model number).

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1/4, 3/8, 1/2



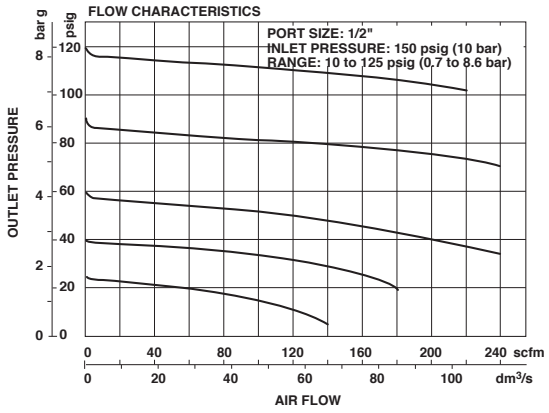
3/4, 1, 1-1/4

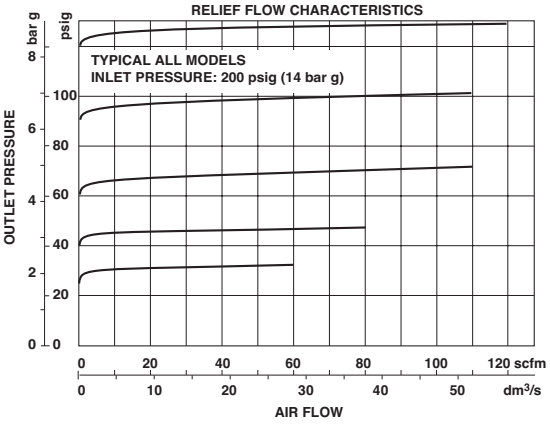


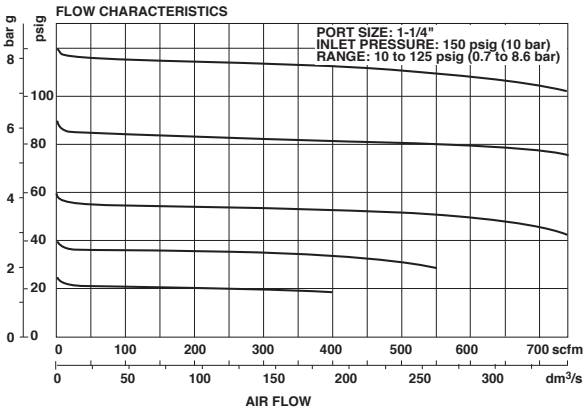
Panel mounting hole diameter: 1.26" (32 mm)
Maximum panel thickness: 0 to 0.12" (3 mm)

Typical Performance Characteristics

RANGE: 10 to 232 psi (0.7 to 16 bar)







Service Kits

Item	Type	Part number
Service kit	1/4, 3/8, 1/2	5292-52
Service kit	3/4, 1, 1-1/4	5292-53

Service kits include seals, main valve and spring.

Dimensions in inches (mm)

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