

Designed for use in corrosive environments

Metallic parts meet NACE Standard MR-01-75*

*National Association of Corrosion Engineers (NACE) MR-01-75 defines requirements for sulphide stress cracking resistant materials used in well-head and other corrosive environments.



B05 Filter/Regulators

R05 Regulators

Technical data

R05

Fluid:

Compressed air, neutral gases

NOTE: Contact technical support for use with other media.

Maximum pressure:

300 psig (20 bar)

Operating temperature:

With Acetal bonnet

-13° to 150°F (-25°C to 66°C)*

With metal bonnet

-13°F to 175°F (-25°C to 80°C)

* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C). Contact technical support for use below -13°F (-25°C).

NOTE: For applications to -40°F (-40°C) contact technical support.

B05

Fluid:

Compressed air

Maximum pressure:

300 psig (20 bar)

Operating temperature:

With Acetal bonnet

-13° to 150°F (-25°C to 66°C)*

With metal bonnet

-13°F to 175°F (-25°C to 80°C)

* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C). Contact technical support for use below -13°F (-25°C).

NOTE: Low temperature options available to -40°F (-40°C).

Particle removal:

5 µm or 40 µm filter element

Materials

R05

Body: 316 stainless steel

Bonnet: 316 stainless steel with

T-handle or acetal with stainless

steel adjusting screw

Valve: 316 stainless steel with

fluorocarbon elastomer

Valve seat: acetal

Springs: 302 stainless steel

Elastomers: fluorocarbon

B05

Body and bowl: 316 stainless steel

Bonnet: 316 stainless steel with

T-handle or acetal with stainless

steel adjusting screw

Valve: 316 stainless steel with

fluorocarbon elastomer

Valve seat: acetal

Springs: 302 stainless steel

Drain: stainless steel or acetal

Element: sintered polypropylene

Elastomers: fluorocarbon

Autodrain: nitrile

R05 Ordering Information

Standard models listed are relieving type with 5 to 125 psig (0.3 to 8.5 bar) outlet pressure adjustment range* and PTF threads. A gauge is not included.

Port Size	Model	Bonnet type	Flow** scfm (dm3/s)	Weight lb (kg)	Service kit†
1/4" PTF	R05-200-RNLA	Acetal	15 (7)	0.32 (0.15)	3407-71
1/4" PTF	R05-232-RNLA	Stainless steel w/ T-handle	15 (7)	0.58 (0.26)	3407-71

B05 Ordering Information

Standard models listed include a relieving diaphragm, manual drain, 5 µm element, 5 to 125 psig (0.3 to 8.5 bar) outlet pressure adjustment range* and PTF threads. A gauge is not included.

Port Size	Model	Bonnet type	Drain	Flow**	Weight	Service kit†
1/4" PTF	B05-233-M1LA	Acetal	manual (Acetal)	15 (7)	0.85 (0.38)	3820-08
1/4" PTF	B05-238-M1LA	Stainless steel w/ T-handle	manual (SS)	15 (7)	1.20 (0.54)	3820-08
1/4" PTF	B05-233-A1LA	Acetal	automatic (SS)	15 (7)	0.85 (0.38)	3820-08

* 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.

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

† Service kit includes diaphragm, seals, o-rings, and valve

Additional Options^{††}

R05 - 2★★ - ★N★A

Bonnet	Substitute
Standard knob (Acetal)	00
T-handle (Stainless steel)	32

Outlet Pressure Adjustment Ranges*	Substitute
5 to 50 psig (0.3 to 3.5 bar)	E
5 to 125 psig (0.3 to 8.5 bar)	L
Diaphragm	Substitute
Relieving	R
Non relieving	N

B05 - 2★★ - ★★ ★

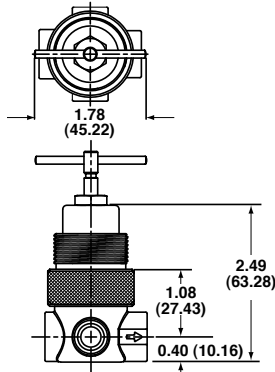
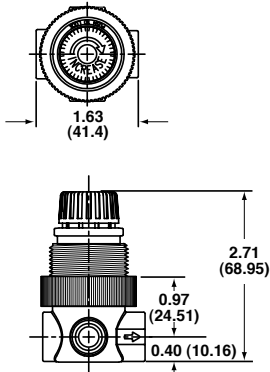
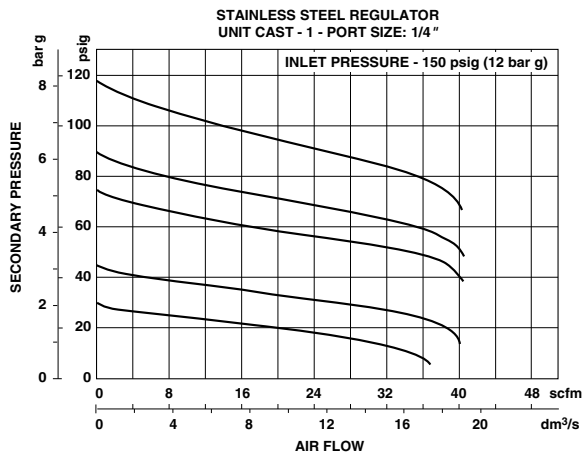
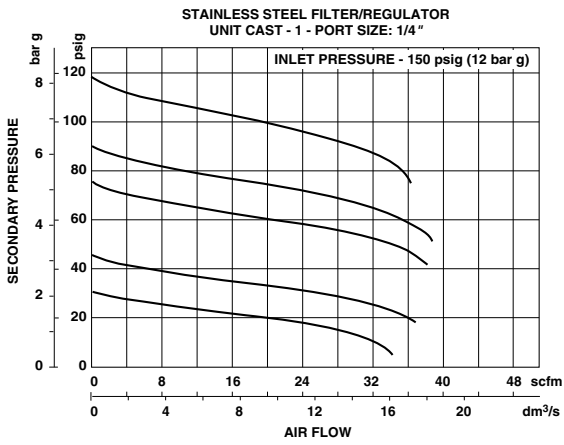
Diaphragm & Bonnet	Substitute
Relieving, acetal knob	33
Relieving, stainless steel T-handle	38 ¶
Drain	Substitute
Automatic (stainless steel)	A
Manual (Acetal)	M

Threads	Substitute
PTF	A
Outlet Pressure Adjustment Ranges*	Substitute
5 to 50 psig (0.3 to 3.5 bar)	E
5 to 125 psig (0.3 to 8.5 bar)	L
Element	Substitute
5 µm	1
40 µm	2

* 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.

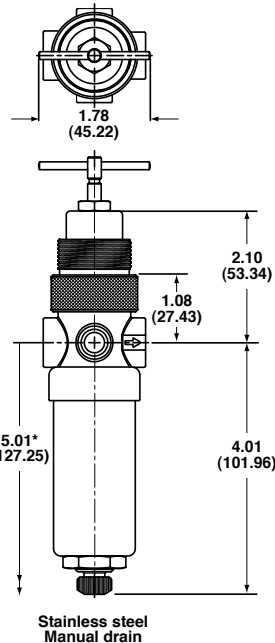
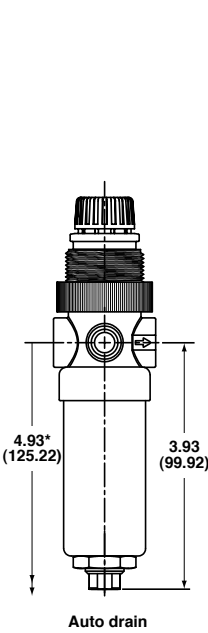
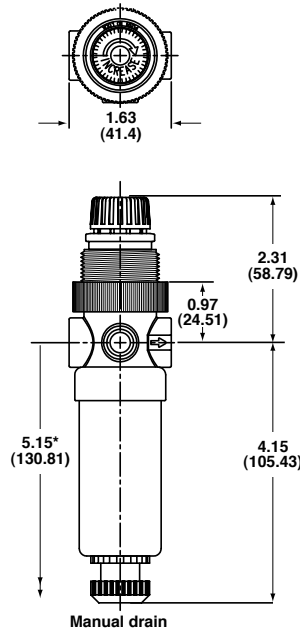
†† These options may require minimum order quantities and may have longer lead times.

¶ Option 38 has a stainless steel manual drain as standard.



Accessories

ISO Symbols	Panel nut (Acetal)	Gauge (Stainless steel) 0 ... 140 psig
R05 Relieving	2962-89	18-013-844
B05 Manual Drain, Relieving		



*Minimum distance to remove bowl

Dimensions in inches (mm)