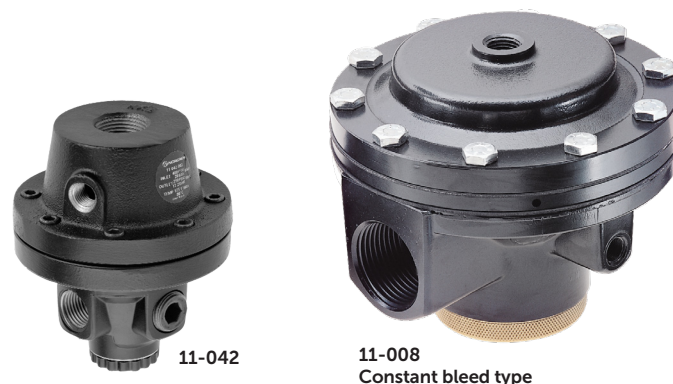


Pilot Operated Regulators 11-042 and 11-008

- Designed for systems that require pressure regulation at an inaccessible location.
- A pilot regulator (ordered separately) controls the outlet pressure of the pilot operated regulator.



Technical data

Fluid:

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

Inlet pressure range:

10 psig (0.7 bar) to 400 psig (27.6 bar)

Operating temperature:

0° to 175°F (-20° to 80°C) **

** Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

Materials

11-042

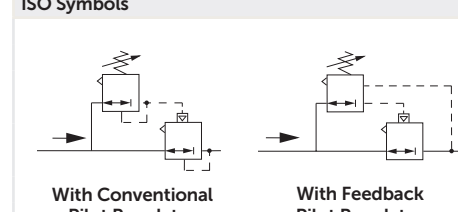
Body: zinc
Bonnet: aluminum
Bottom plug: acetal
Valve: brass
Elastomers: nitrile
Port sizes:
Main 1/4" Gauge Pilot 1/4" Exhaust 3/4"
3/8" 3/8" 1/4" 3/4"
1/2", 3/4", 1/2" 1/4" 3/4"
1", 1-1/4"

11-008

Body: zinc
Bonnet: aluminum
Bottom plug:
1/2", 3/4 ports: glass filled nylon
1" ports: aluminum
Gauge port: 1/8" NPT
Pilot port: 1/4" NPT
Valve: brass
Elastomers: nitrile

11-042 and 11-008 Pilot Operated Regulator Ordering Information

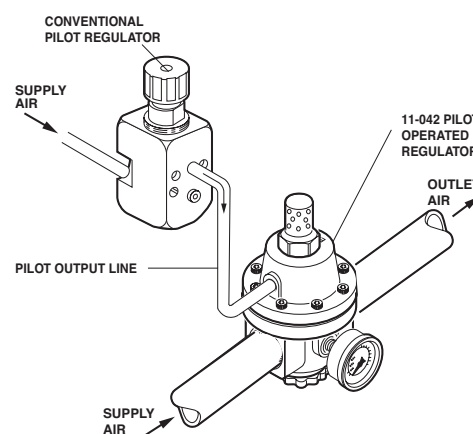
Models listed include relieving diaphragm and PTF threads. Also order a pilot regulator. Requires a pilot regulator (ordered separately).

ISO Symbols	Port Size	Model	Flow* scfm (dm ³ /s)	Weight lb (kg)
 With Conventional Pilot Regulator With Feedback Pilot Regulator	1/4"	11-042-001	120 (57)	2.8 (1.3)
	3/8"	11-042-002	120 (57)	2.7 (1.2)
	1/2"	11-042-003	120 (57)	2.6 (1.2)
	3/4"	11-042-007	300 (142)	4.8 (2.2)
	1"	11-042-008	300 (142)	4.6 (2.1)
	1-1/4"	11-042-009	300 (142)	4.3 (2.0)
	1/2"	11-008-130	70 (33)	1.6 (0.7)
	3/4"	11-008-009	110 (52)	4.9 (2.2)
	1"	11-008-110	180 (85)	4.6 (2.1)

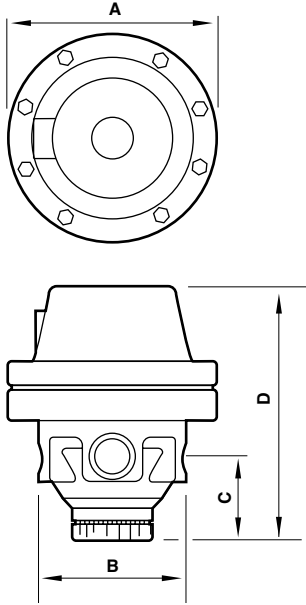
* Typical flow with 100 psig (0.7 bar) inlet pressure, 90 psig (6.3 bar) set pressure and a droop of 5 psig (0.35 bar) from set.

Feedback Pilot Regulator Warning

The feedback line must sense the pilot operated regulator outlet pressure and must be connected before turning on the air supply. If the feedback line is not connected, the pilot operated regulator outlet pressure will rapidly increase to the inlet pressure when the adjusting knob on the pilot regulator is turned clockwise.

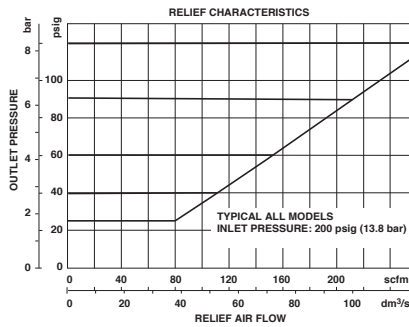
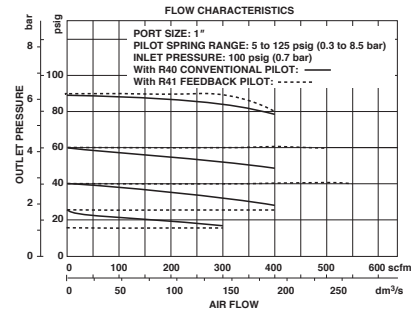
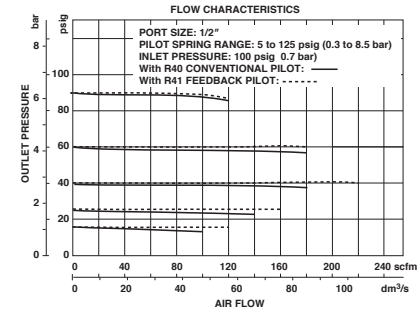


11-042



Port Size	A	B	C	D
1/4", 3/8", 1/2"	4.16 (106)	2.71 (69)	1.48 (38)	5.07 (129)
3/4", 1", 1-1/4"	4.16 (106)	3.65 (93)	1.86 (47)	5.97 (152)

Typical Performance Characteristics

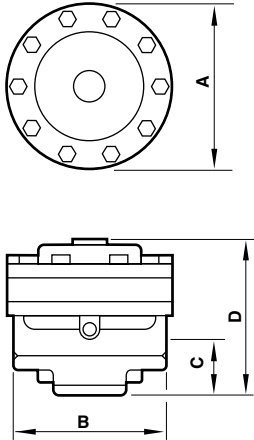


11-042 Service Kits

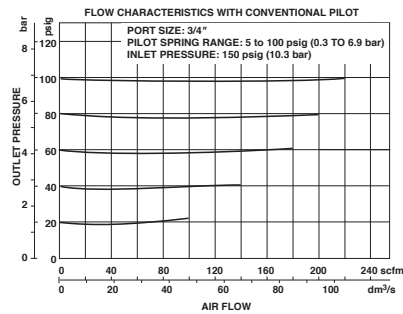
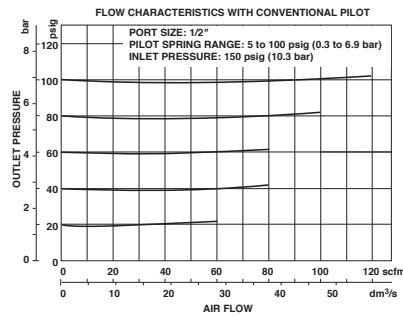
Type	Part number
Kit for 1/4", 3/8", 1/2" units	4158-01
Kit for 3/4", 1", 1-1/4" units	4158-02
O-ring kit for 1/4", 3/8", 1/2" units	4158-03
O-ring kit for 3/4", 1", 1-1/4" units	4158-04

Kit contains filter screen, diaphragm, and all o-rings.
 O-ring kit contains filter screen and all o-rings.

11-008



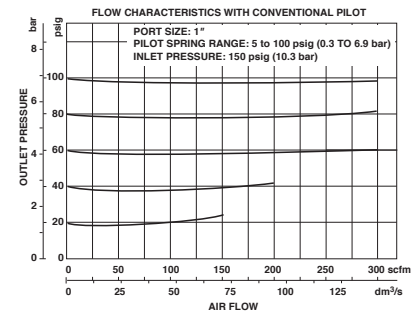
Port Size	A	B	C	D
1/2"	3.34 (85)	3.38 (86)	1.50 (38)	3.30 (84)
3/4", 1"	4.91 (125)	4.63 (118)	1.69 (43)	4.36 (111)



11-008 Service Kits

Type	Part number
1/2" ported units	695-01
3/4", 1" ported units	696-01

Kit contains diaphragm, valve, and all o-rings.



Dimensions in inches (mm)