

Line Regulators 1/4" - 2" NPT

SPECIFICATION

Line Regulators

The BeaconMedaes line pressure regulators provide delivery pressure control of piped gases to specific areas of the building or to specific devices within an area. All regulators shall be cleaned at the factory for oxygen service. The regulators are of brass and bronze construction to comply with the latest edition of NFPA-99 for medical gases and support gases.

The 1/2" through 1" regulators are provided with Viton® seat disc and o-rings for all gases except carbon dioxide and nitrous oxide which are provided with EPDM.

Delivery Pressure Ranges

The 1/4 NPT regulators are available in three delivery pressure ranges and designed for inlet pressures as listed in the table below.

1/2" through 2" regulators are available in three delivery pressure ranges and are designed for a maximum of 400 psig inlet pressure.

Delivery Pressure Gauges

The 1/4 NPT regulators are supplied with a factory installed delivery pressure gauge in the range as indicated.

The 1/2", 3/4" and 1" regulators are provided with two 1/4 NPT female delivery pressure gauge ports located (plugged) on each side of the valve.

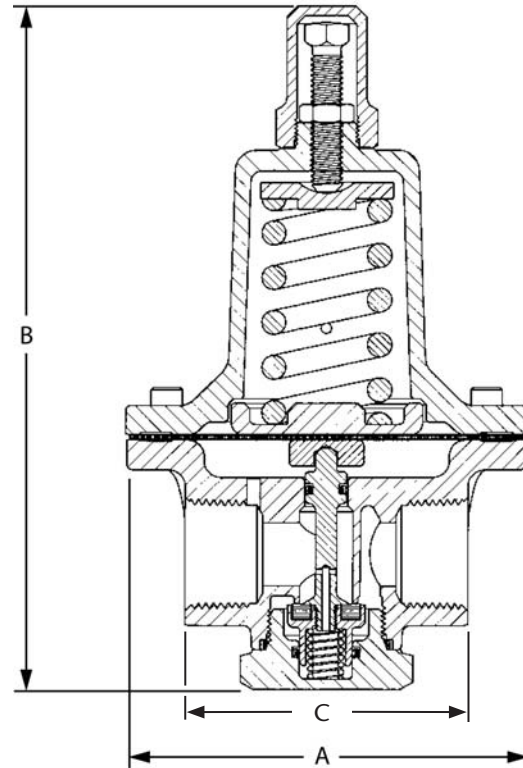
The 1-1/4", 1-1/2" and 2" regulators do not contain gauge ports.

Note: A 1/4 NPT female adapter must be provided on the pipeline downstream of the regulator for installation of a pressure gauge.

Field Adjustable

The 1/2", 3/4" and 1" regulators are provided with a tamper resistant adjustment screw cap. Field setting of desired pressure is easily accomplished by removing the adjustment cap, adjusting to the desired pressure and replacing the adjustment cap. 1-1/4" and 2" regulators are provided with adjusting screw only.

Note: Depending on maximum inlet pressure of equipment downstream of regulators, consideration should be given to providing a relief valve to protect downstream equipment from over pressurization.



Reg. Size	Port Size (NPT)	Flow (SCFM)	A (inches)	B (inches)	C (inches)
1/4 (4-80)	1/4	5	2.5	5.0	1.5
1/4 (5-125)	1/4	5	2.5	5.0	1.7
1/4 (10-400)	1/4	5	2.5	5.0	1.7
1/2	1/2	250	3.62	6.59	2.82
3/4	3/4	400	4.69	8.06	3.31
1	1	415	4.69	8.06	3.31
1-1/4	1-1/4	600	5.63	14.38	5.63
1-1/2	1-1/2	700	5.63	14.38	5.63
2	2	800	5.63	14.0	5.63

Approximate Air Flow Capacities

Flow capacities are based on an inlet pressure of 150 PSIG and an outlet pressure setting of 50 PSIG.

Ordering Information

Regulators for Oxygen, Air, Nitrogen, and Argon					
Part Number	Pipe Size Inlet/Outlet (NPT)	Delivery Range ¹ (PSIG)	Max. Inlet Pressure (PSIG)	Recommended Gauge P/N	Gauge Range ²
122100-00	1/4	4-80	350	included	0-100
122100-01		5-125		included	0-100
122100-03		10-400	500	included	0-600
122101-00	1/2	5-55	400	130115-00	0-100
122101-01		40-110		130116-00	0-300
122101-02		100-200		130116-00	0-300
122102-00	3/4	5-55	400	130115-00	0-100
122102-01		40-110		130116-00	0-300
122102-02		100-200		130116-00	0-300
122103-00	1	5-55	400	130115-00	0-100
122103-01		40-110		130116-00	0-300
122103-02		100-200		130116-00	0-300
122104-00	1-1/4	20-70	400	130115-00	0-100
122104-01		50-150		130116-00	0-300
122104-02		75-300		130114-00	0-400
122105-00	1-1/2	20-70	400	130115-00	0-100
122105-01		50-150		130116-00	0-300
122105-02		75-300		130114-00	0-400
122106-00	2	20-70	400	130115-00	0-100
122106-01		50-150		130116-00	0-300
122106-02		75-300		130114-00	0-400
Regulators for Carbon Dioxide and Nitrous Oxide					
122111-00	1/2	5-55	400	130115-00	0-100
122111-01		40-110		130116-00	0-300
122111-02		100-200		130116-00	0-300
122112-00	3/4	5-55	400	130115-00	0-100
122112-01		40-110		130116-00	0-300
122112-02		100-200		130116-00	0-300
122113-00	1	5-55	400	130115-00	0-100
122113-01		40-110		130116-00	0-300
122113-02		100-200		130116-00	0-300

1. Order regulator in the delivery pressure range required.
2. Order the appropriate pressure gauge for the pressure range of the regulator.