

IR10 SERIES

INLET to 4,000 PSIG OUTLET to 2,500 PSIG

How To Order

BASIC MODEL NUMBER & OUTLET PRESSURE RANGE

- IR10 - 0 to 500 PSIG (0-34 BAR)
- IR11 - 0 to 1,000 PSIG (0-70 BAR)
- IR12 - 0 to 2,500 PSIG (0-172 BAR)

IR10 250 G

OPTIONS

- G - Inlet & Outlet Gauges
- P - Panel Mounting Provisions

INLET PORT

- 250 - 1/4" Female NPT
- 580 - Specify CGA Fitting Number (Define on Sales Order)

Notes:

Outlet pressure rise per 100 PSI pressure decay: 0.1 PSI Max.
Maximum inlet pressure 4,000 psi.

If this regulator is to be used in oxygen service, specify "GENERAL OXYGEN SERVICE" when ordering or furnish the factory with a copy of the special requirements.

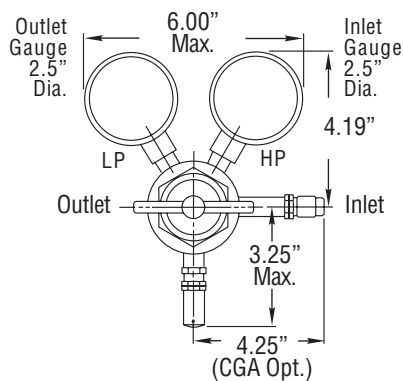
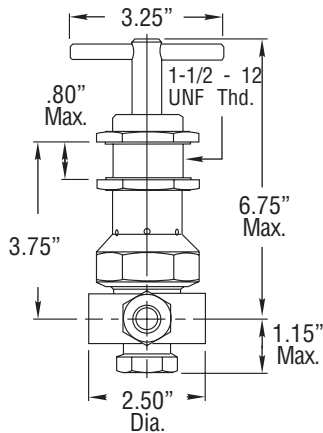
Fluid Media: Non-corrosive gases and liquids.

Please consult your Circle Seal Controls Distributor, Representative or the factory for information on special connections, operating pressures and temperature ranges.

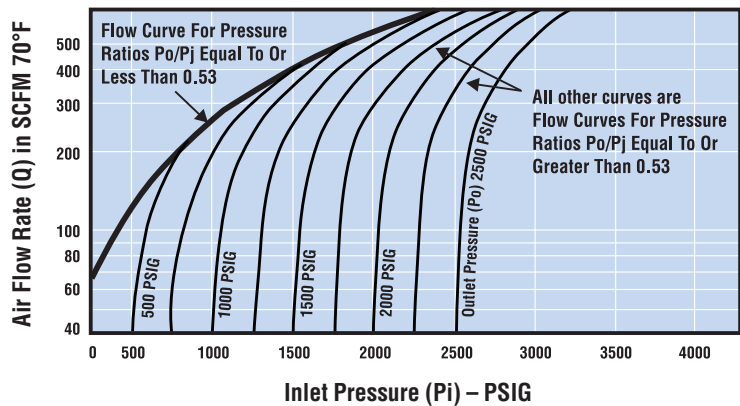
INLET / OUTLET RANGES

Model	Outlet Pres. Range	Inlet Gauge Range	Outlet Gauge Range	Safety Valve Set Pres.	Max. Air Flow
IR10	0-500 PSIG	0-5000 PSI	0-600 PSI	600 PSIG	200 SCFM
IR11	0-1000 PSIG	0-5000 PSI	0-1500 PSI	1400 PSIG	400 SCFM
IR10	0-2500 PSIG	0-5000 PSI	0-3000 PSI	2900 PSIG	1000 SCFM

Dimensions & Flow Curves



Air Flow Chart



Correction factors for gases other than air:

Air = 1.000 Hydrogen = 3.795 Oxygen = 0.951
Helium = 2.690 Nitrogen = 1.016

Flow rates for gases other than air:

Air Flow Rate (Q) Multiplied by Correction Factor



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