

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.

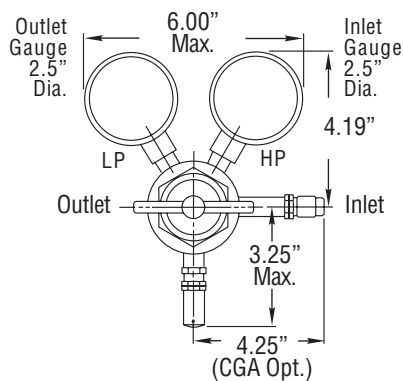
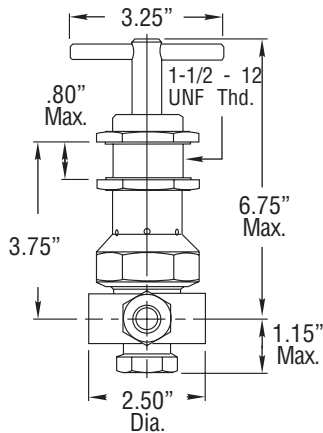
Fluid Media: Non-corrosive gases and liquids.

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

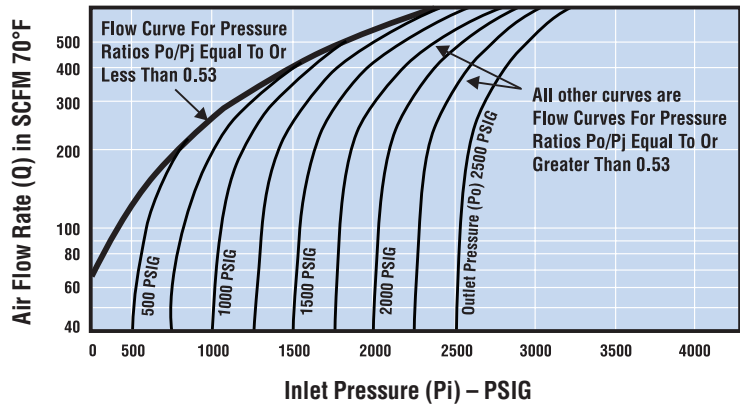
INLET / OUTLET RANGES

| 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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