

High Pressure High Flow Regulator

Description: The Airgas high pressure high flow regulator is a diaphragm type regulator that can provide up to 60 SCFM of nitrogen at 4350 psig inlet pressure and 725 psig outlet pressure. This regulator's balance valve technology design is ideal for high purity gases high flow and high pressure applications that require precise delivery pressures.

Specifications	
Maximum Inlet Pressure	4350 psig
Outlet Pressure Range	0-145; 0-230; 0-360; 0-725 psig
Flow Capacity	Cv = 0.25
Ambient Operating Temperature Range	-4°F to 140°F
Weight	5.5 lbs
Inlet / Outlet Ports	¼" NPT Female
Gauge Ports	¼" NPT Female
Design Leak Rate	1 x 10 ⁻⁸ ccs (helium)
Decay inlet Characteristic	0.52 / 100 psi

Materials	
Body	Chrome Plated Brass/316 Stainless Steel
Bonnet	Chrome Plated Brass
Seat	PCTFE
Diaphragm	AISI304 & Hastelloy
O-Rings	EPDM
Gauges	Chrome Plated Brass/Stainless Steel
Filter	Chrome Plated Brass/Stainless Steel

Single-Stage Ordering Information						
Product Number	Material	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Flow Capacity (scfm)	Inlet Gauge (psig)	Delivery Gauge (psig)
Y11-RHF1A	Brass	4350	145	30	5800	200
Y11-RHF1B	Brass	4350	230	30	5800	350
Y11-RHF1C	Brass	4350	360	30	5800	590
Y11-RHF1D	Brass	4350	725	60	5800	1400
Y11-RHF4A	316 Stainless Steel	4350	145	30	5800	200
Y11-RHF4B	316 Stainless Steel	4350	230	30	5800	350
Y11-RHF4C	316 Stainless Steel	4350	360	30	5800	590
Y11-RHF4D	316 Stainless Steel	4350	725	60	5800	1400

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REGULATORS



Design Features

- Balance valve technology ensures a constant downstream pressure when the inlet pressure is changing
- Easy rotating handknob provides fast low-torque pressure setting
- Rear threads for front panel mount