

HP 750

Ultra High Flow Servo Dome Regulator



Model HP 750-500-3000 shown

The Model HP 750 series regulator is a high pressure, high flow regulator system. The key to the performance of this regulator is the servo-dome load technology. The servo-dome load feature allows the regulator to supply high flow rates with straight line pressure regulation. The HP 750 is suitable for:

- ▶ Laser assist gases
- ▶ Pressure transfer
- ▶ Blanketing & high flow manifold

FEATURES

- 0-250, 500, or 1000 PSIG delivery pressure
- 3000 and 5500 PSIG inlet pressures
- Tamper proof, self-reseating internal safety valve on 250 & 500 models only
- One piece encapsulated seat design with 10-micron filtration
- Conforms to CGA E-4 standard for gas pressure regulators

RELATED OPTIONS

Panel Mount Kit P/N: 9100887

Cylinder Adapter Kits

- CGA 540 Adapter Kit P/N: 9103615
- CGA 580 Adapter Kit P/N: 9103616
- CGA 680 Adapter Kit P/N: 9103617

MATERIALS

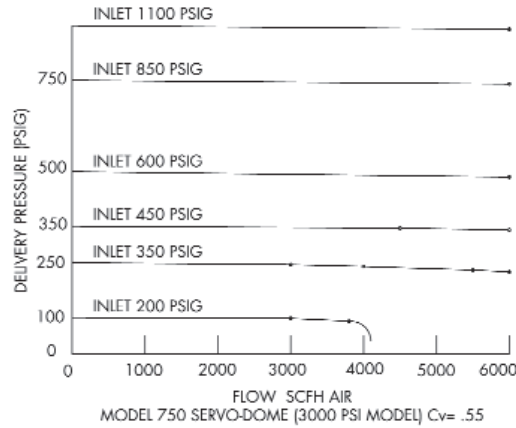
Body	.Brass Barstock
Bonnet	.Brass Barstock
Diaphragm	.Teflon Coated Nylon Reinforced Neoprene
Nozzle	.Brass
Seat	.PTFE Teflon
Seal	.PTFE Teflon
Filter	.Nickel Plated Sintered Bronze - 10 Micron
Adjusting Knob	.Noryl Plastic
Inlet	.1/2" FNPT
Outlet	.1/2" FNPT

HP 750 ORDERING INFORMATION

PART NO.	MODEL NO.	MAX. INLET PSIG	DELIVERY PRESSURE RANGE PSIG	DELIVERY PRESSURE GAUGE PSIG	SUPPLY PRESSURE GAUGE PSIG
3000860	HP750-500-3000	3000	0-500	600	4000
3000865	HP750-250-3000	3000	0-250	400	4000
3000866	HP750-1000-3000	3000	0-1000	2000	4000
3000867	HP750-250-5500	5500	0-250	400	6000
3000868	HP750-500-5500	5500	0-500	600	6000
3000869	HP750-1000-5500	5500	0-1000	2000	6000

HP 750 TECHNICAL SPECIFICATIONS

FLOW DATA



SPECIFICATIONS

- ▶ C_v : .55 on 3000 psi inlet models; C_v : .4 on 5500 psi inlet models
- ▶ Pressure Regulation: 3 PSIG/1000 PSIG for 250 and 500 psi delivery pressure
 5 PSIG/1000 PSIG for 1000 psi delivery pressure
- ▶ Weight: 8.5

DIMENSIONS

