

## LASER CUTTING PRESSURE REGULATOR Series 3870H

### DESCRIPTION

The 3870H regulator is specifically designed to meet the high flow, high pressure assist gas requirements of the laser cutter. It has fast on-off-on response, high flow capacity, and delivers the pressures required for the job. Whether your source gas is cryogenic or high pressure, this regulator can handle the job. The regulator is actually two regulators in one body – a dome-loaded piston regulator with a sensitive diaphragm actuated dome loader built in.

### FEATURES

- Rapid on-off-on response even at high flow rates.
- 1/2" NPT female inlet and outlet connections.
- High flow capacity Cv = 0.55.
- Minimal delivery pressure decay (0.3 psi/100 psi).
- Built-in dome loader regulator.
- Bonnet threaded to accept panel nut.
- Encapsulated seats with 10 micron filter.



### SPECIFICATIONS AND MATERIALS OF CONSTRUCTION

Max. inlet pressure	3000 psig (optional 5500 psig available)
Outlet Pressure Ranges	0-250 psig, 0-500 psig, 0-1000 psig
Inlet and Outlet ports	1/2" NPT female
Inlet and Outlet Gauge Ports	1/4" NPT female
Body	brass
Dome Loader Diaphragm	PTFE Teflon® coated neoprene
Seat & seals	PTFE Teflon®

### HOW TO ORDER

Model	Del. Pressure psig	Description Del. Press. Gauge psig	Inlet Press. Gauge psig
3870H-250	0-250	0-400	0-4000
3870H-500	0-500	0-600	0-4000
3870H-1000	0-1000	0-2000	0-4000

### Options

Panel mount nut P/N 9100887

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