



# Automatic Changeover Regulators M2523HP Series

## Application

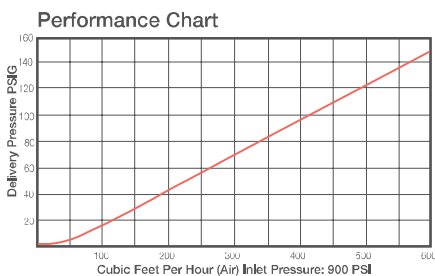
M2523HP series automatic changeover regulators are designed especially for use in systems where a reserve cylinder is used to provide a continuous, uninterrupted supply of gas. These regulators are suitable for use with carbon dioxide, hydrogen, oxygen, industrial air, nitrous oxide, nitrogen, helium and argon.

## Features

- Automatically withdraws from the reserve cylinder after exhausting the "service" cylinder.
- Cylinder pressure gauges let you know at a glance the contents of each cylinder is in use. There is no need to shutdown the system to replace empty cylinders.
- Nickel plated.
- 100% Factory Tested
- Cleaned per CGA G-4.1 for oxygen service.
- Porous bronze filters are installed in each inlet to minimize the entry of foreign particles.
- Back pressure check valves are installed in each inlet to help assure positive shut-off in case of reverse flow.
- Each unit comes complete with mounting bracket and a special delivery pressure adjustment wrench.
- Factory set at 50 psig on service side. CO<sub>2</sub> and N<sub>2</sub>O regulators are factory set at 100 psig on service side.

## Materials

Body .....	Brass
Bonnet.....	Brass
Seat Disc (all gases except CO <sub>2</sub> ).....	Viton
Seat Disc (CO <sub>2</sub> Only).....	Butyl Rubber
Diaphragm (all gases except CO <sub>2</sub> ).....	Neoprene
Diaphragm (CO <sub>2</sub> Only) .....	Buna N
Handle .....	Aluminum
Bonnet Spring.....	Steel
Backcap Spring .....	Stainless Steel

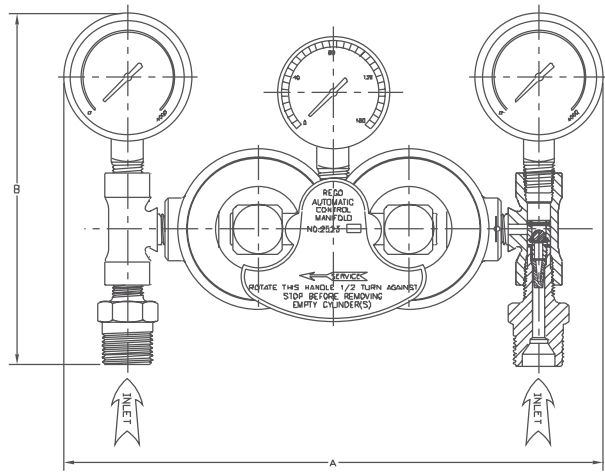


## Conversion Table

Source	Multiply
Carbon Dioxide	.81
Nitrogen	1.02
Nitrous Oxide	.81
Argon	.85
Oxygen	.95
Helium	2.69
Hydrogen	3.79



M2523HP Series



## Ordering Information

Part Number	Gas Service	CGA Inlet Connection	Outlet Connection	Width A	Height B	Maximum Inlet Pressure	Delivery Pressure Range	Accessory Regulators*
M2523HP320	Carbon Dioxide	320	1/4" F.NPT	7 3/4"	5 1/8"	1800 psig (124.2 barg)	30-130 psig (2.1-8.9 barg)	BR-1784E, 1784E C-1682 M Series
M2523HP326	Nitrous Oxide	326						
M2523HP350	Hydrogen	350						
M2523HP540	Oxygen	540				3000 psig (202 barg)		1784 Series 1682 M Series BR 1784 Series
M2523HP580	Nitrogen, Argon, Helium	580						
M2523HP590	Industrial Air	590						

\* Can be used downside of the M2523HP as a final line pressure regulator. See pages 27 through 30 and page 33.