

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

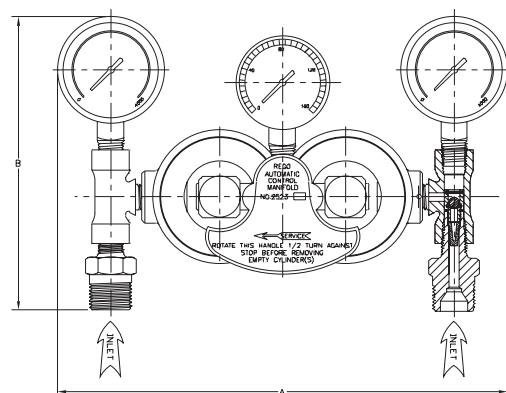
- Automatically withdraws from the reserve cylinder after exhausting the "service" cylinder
- Cylinder pressure gauges let you know at a glance the contents of each cylinder is in use. There is no need to shutdown the system to replace empty cylinders
- Nickel plated
- 100% Factory Tested
- Cleaned per 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 (3.44 barg) on service side. CO₂ and N₂O regulators are factory set at 100 psig (6.89 barg) on service side

Conversion Table

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

Materials

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



Part Number	Gas Service	CGA Inlet Connection	Outlet Connection		Width A		Height B		Maximum Inlet Pressure	Delivery Pressure Range	Accessory Regulators
			Inches	mm	Inches	mm	Inches	mm			
M2523HP320	Carbon Dioxide	320	1/4" F.NPT	6	7 3/4"	196	5 1/8"	130	1800 psig (124.2 barg)	30-130 psig (2.1-8.9 barg)	BR-1784E, 1784E C-1682 M Series
M2523HP326	Nitrous Oxide	326							3000 psig (202 barg)		1784 Series 1682 M Series BR 1784 Series
M2523HP350	Hydrogen	350									
M2523HP540	Oxygen	540									
M2523HP580	Nitrogen, Argon, Helium	580									
M2523HP590	Industrial Air	590									