



PR56M Service Parts and Maintenance

MASTER PNEUMATIC - DETROIT, INC.

6701 -18 Mile Rd. | Sterling Heights, MI 48314 | Phone: (586) 254-1000 | Fax: (586) 254-6055 | Email: mp@masterpneumatic.com

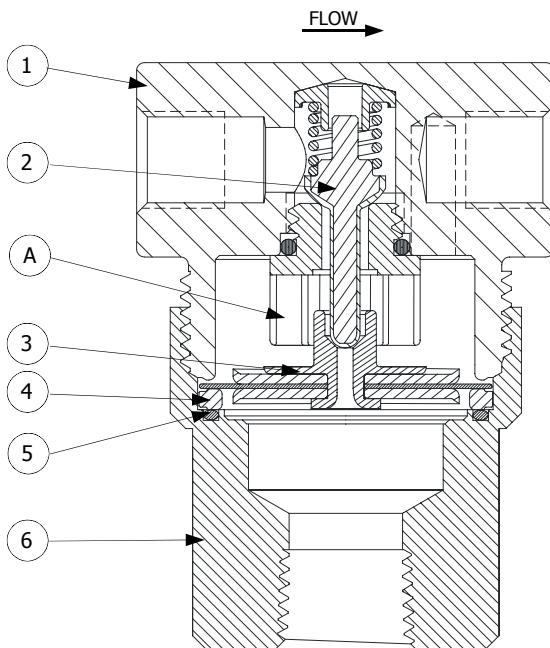
JAA 9-15-05
(ECN 4055)

Replacement Parts & Kits

THANK YOU!

You have just purchased a quality Pilot Operated Regulator from Master Pneumatic.

With care in its installation and maintenance, you can expect it to have a long and economical service life. Before you go any further, please take a few minutes to look over this information, then save it for future reference and for the useful service information it contains.



KEY	DESCRIPTION	PR56M-1	PR56M-2	PR56M-1W	PR56M-2W
1	Head	33-262M-1FR	33-262M-2FR	33-262M-1FRW	33-262M-2FRW
2	Valve Assy Kit	A33-533	A33-533	A33-533	A33-533
3	Diaphragm Assy	A33-534M	A33-534M	A33-534M	A33-534M
4	Spacer	10R-08M	10R-08M	10R-08M	10R-08M
5	O-Ring	406-21	406-21	406-21	406-21
6	Dome	33-497	33-497	33-497	33-497

Installation Procedures

INSTALLATION AND OPERATION:

Depressurize and lockout air pressure. Install the unit as near as possible to the device it is to serve, following the arrow direction on regulator head. Filters should be installed immediately ahead of the regulator to insure a clean supply of air. The air pressure is regulated by force created due to the pilot pressure (supplied by remote regulator) acting against the diaphragm, which opens and closes the supply valve to maintain the set pressure with flow through the regulator. Overpressure is relieved when pressure on the top on the diaphragm exceeds the pilot pressure acting on the bottom of the diaphragm.

MAINTENANCE:

If the air supply is kept clean, the regulator should provide long periods of uninterrupted service. Erratic operation or loss of regulation is usually due to dirt or a leaking seal.

REPAIR:

To clean or repair the unit, depressurize and lockout air pressure. The dome (#6) can be removed by turning it counterclockwise. The diaphragm assembly (#3) can now be removed. The supply valve (#2) can be removed by unscrewing valve seat (A). If regulator cannot be repaired by cleaning, the operating parts should be replaced. When regulator is reassembled, make sure that all seals are correctly located. The valve seat is torqued to 3-5 in-lbs, do not over tighten. The dome is torqued to 125 in-lbs.



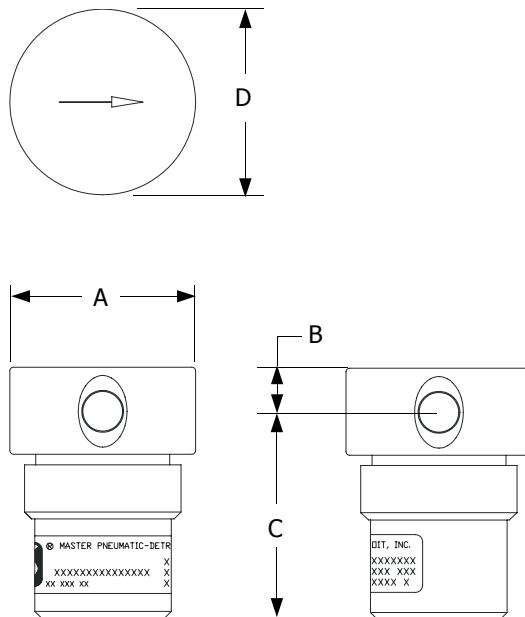
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Dimensional Specifications



KEY	PR56M-1	PR56M-2	PR56M-1W	PR56M-2W
A	1 5/8 (41 mm)	1 5/8 (41 mm)	1 5/8 (41 mm)	1 5/8 (41 mm)
B	3/8 (10 mm)	3/8 (10 mm)	3/8 (10 mm)	3/8 (10 mm)
C	1 13/16 (46 mm)	1 13/16 (46 mm)	1 13/16 (46 mm)	1 13/16 (46 mm)
D	1 5/8 (41 mm)	1 5/8 (41 mm)	1 5/8 (41 mm)	1 5/8 (41 mm)

General Specifications

MAXIMUM INLET PRESSURE: 300 PSI (20.7 bar)

AVAILABLE OPTIONS

MAXIMUM TEMPERATURE: 125 °F (51.7 °C)

A Non-Relieving

ADJUSTING RANGE: 0-125 psig (0-8.6 bar)

G 0-160 psi gauge (0-11.0 bar)