



Model DR490 Series Vacuum Actuated Regulators



Description

This simple-to-use regulator makes calibration quick and easy by eliminating the need for sample bags, syringes, canisters, flow meters, or special operator training. Simply connect to the calibration gas cylinder, and from the instrument sample pump inlet to the outlet of the regulator.

Applications

Ideal for use with instruments that utilize a sample pump to draw the calibration gas. The regulator provides the exact amount of gas that the instrument pump requires.

Design Features/Components

- Two stage regulator for stable output
- Vacuum actuation pressure – 3" H₂O
- Standard model supplied with C10 in, 3/16" hose barb out

Materials of Construction

Body:	Aluminum
Bonnet:	Aluminum
Diaphragm:	Viton
Piston Seals:	Viton
Piston:	303 SS
Main Valve Seat:	Viton and Teflon

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Porting (Regulator Body):	1/4" FNPT
Porting (Outlet Body):	1/8" FNPT
Flow Capacity:	Up to 3 Lpm @ 3" H ₂ O

Ordering Information

Model Number	Delivery Pressure Range	Cylinder Pressure Gauge
MDR490-AV-C10-H*	3" H ₂ O	0-3000 psig

*Other inlet/outlet fittings available.