

# DEMAND FLOW REGULATOR

## Series 3950

### DESCRIPTION

This new single stage design using balanced valve stem technology is more sensitive than older two stage technologies providing a better performance even with high inlet pressures. This regulator is designed for use with instruments that use a pump to draw the calibration gas into the instrument. The 3950 series demand flow regulator provides the exact amount of calibration gas the instrument pump requires. This simple to use regulator makes calibration quick and easy by eliminating the need for sample bags, flowmeters, or special operator training.



### FEATURES

- Precise delivery of calibration gas required by instrument pump.
- New single stage balanced valve stem technology.
- Simple easy to use operation.
- Various cylinder connections available: C-10, CGA 600, other CGAs.
- 40 micron inlet filter.

### SPECIFICATIONS

Outlet hose barb for 3/16" ID hose

Flow 0-3 slpm @ 3" of H<sub>2</sub>O vacuum

Inlet pressure gauge: 0-3000 psig with GCA connection

0-1200 psig with C10 connection

### MATERIALS OF CONSTRUCTION

	Model 3951	Model 3952
Body	clear anodized aluminum	clear anodized aluminum
Bonnet	clear anodized aluminum	clear anodized aluminum
Diaphragm	Buna-N	Viton®
Main valve seat	Viton® and Teflon®	Viton® and Teflon®
Inlet pressure gauge	stainless steel case with brass socket	stainless steel case with stainless steel socket

### HOW TO ORDER

Model	Description
3951-C10	Demand Flow Regulator with C-10 inlet connection
3951-600	Demand Flow Regulator with CGA 600 inlet connection
3951-CGA	Demand Flow Regulator with selected CGA connection
3952-C10	Demand Flow Regulator with C-10 inlet connection
3952-CGA	Demand Flow Regulator with selected CGA connection