

# Demand Flow Regulators

## High-Purity for Noncorrosive Service

### Model 14DFR

These two-stage regulators are designed for use with instruments that utilize a pump to draw calibration gas and provide the exact amount of gas required by the instrument pump. Simple to use, they make calibration quick and easy by eliminating the need for sample bags, flowmeters or special operator training.



#### Benefits/Features

Designed specifically for instruments utilizing a pump to draw calibration gas.

Easy to use.

Economical design eliminates the need for extra gas handling equipment such as bags and flowmeters.

#### Specifications

**Inlet Pressure:** See Table

**Operating Temperature Range:** -20°F to 140°F (-28°C to 60°C)

**Demand Pressure:** -3" H<sub>2</sub>O

**Flow Range:** 0 – 3 LPM

**Regulator Inlet Port:** C10, CGA 600, or 1/4" NPT Female

**Outlet Connection:** 3/16" barb

**Gauge Size:** 1.5" (41 mm) face

**Weight:** 1 lb. (0.5 kg)

#### Materials of Construction

**Regulator Body:** Nickel-plated brass

**Diaphragm:** Buna-N

**Piston:** Brass

**Seat and Seals:** Viton® and Teflon®

**Bonnet:** Aluminum

**Gauges:** Chrome-plated brass

Model 14DFR	Cylinder Pressure Gauge (dual scale)		Inlet Pressure (maximum)	
	psig	bar	psig	bar
Nickel-Plated Brass				
Q1-14DFR-(*)	0 – 3000	0 – 207	3000	207
Q1-14DFR-C10	0 – 1000	0 – 70	1000	70
Q1-14DFR-600	0 – 500	0 – 35	500	35

\* Specify CGA. Other cylinder connections are available – please contact your Air Liquide representative.