

Nickel-Plated Regulators

High-Purity for Noncorrosive Service

Model 14

Model 14 Series regulators are recommended wherever precise, low-pressure delivery of high-purity gases is needed. Compact, two-stage design provides constant delivery pressure with no need for periodic readjustment. Nickel-plated brass construction protects gas purity and ensures long regulator life when used with noncorrosive gases.



Benefits/Features

Two-stage design eliminates the need to readjust delivery pressure as inlet pressure decreases.

Stainless steel diaphragm on the second stage minimizes diffusion of air into regulator to eliminate off-gassing.

Sintered filter protects the internal parts and extends the life of the regulator.

Low internal dead volume minimizes purge time.

Economical, with many years of proven service life.

Specifications

Inlet Pressure: 3000 psig (207 bar) maximum

Operating Temperature Range:
-20°F to 140°F (-29°C to 60°C)

Flow Coefficient: $C_v = 0.014$

Supply Pressure Effect: 0.1 psi per 100 psi
(0 bar per 7 bar)

Regulator Inlet Port: 1/4" NPT Female

Inlet Connection: Specify CGA

Outlet Connection: 1/8" NPT Female and all other configurations

Gauge Size: 1.5" (41 mm) face

Weight: 1.8 lbs. (0.8 kg)

Materials of Construction

Body: Nickel-plated brass

Diaphragm: Stainless steel

Piston: Brass

Seat: Teflon®, Viton®

Seal: Viton®

Gauges: Chrome-plated brass

Bonnet: Nickel-plated brass

Model 14 Nickel-Plated Brass	Delivery Pressure Range		Flow Capacity Air scfh	Delivery Pressure Gauge		Cylinder Pressure Gauge	
	psig	bar		psig	bar	psig	bar
Q1-14B-(*)	1 – 10	0.1 – 0.7	10	0 – 15	0 – 1	0 – 3000	0 – 207
Q1-14C-(*)	2 – 50	0.1 – 4	25	0 – 100	0 – 7	0 – 3000	0 – 207
Q1-14D-(*)	2 – 100	0.1 – 7	50	0 – 160	0 – 11	0 – 3000	0 – 207

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