

General Purpose Regulators

For Noncorrosive Service

Model 24

Designed for use with SCOTTY™ 14, 48 and 221 cylinders. This compact, lightweight, single-stage regulator has a CGA 160 or 165 inlet and is recommended for use with noncorrosive gases.



Benefits/Features

- Miniature size.
- Nonrelieving type.
- Tamper-resistant, locking control knob.
- Delivery pressure can be preset.

Specifications

- Inlet Pressure: 300 psig (20 bar) maximum
- Operating Temperature Range: 35°F to 150°F (1°C to 65°C)
- Flow Coefficient: $C_v = 0.36$
- Inlet Connection: CGA 160 or 165 (1/4" AN flare)
- Outlet Connection: CGA 165 1/4" NPT Female
- Inlet Port: 1/4" NPT Female
- Outlet Port: 1/4" NPT Female
- Gauge: 1.5" (41 mm) face
- Weight: 1 lb. (0.5 kg)

Materials of Construction

- Body: Brass
- Diaphragm: Viton®
- Seat: Acetal
- Seal: Viton®
- Gauge: Phosphor bronze
- Bonnet: Acetal

Model 24	Delivery Pressure Range		Delivery Pressure Gauge	Cylinder Pressure Gauge	
	psig	bar		psig	bar
Brass					
Q1-24AV-(*)-(**)	1 – 10	0.1 – 0.7	None	0 – 400	0 – 28
Q1-24BV-(*)-(**)	2 – 25	0.1 – 2	None	0 – 400	0 – 28
Q1-24CV-(*)-(**)	5 – 50	0.3 – 4	None	0 – 400	0 – 28

* Specify CGA 160 for SCOTTY 14 or CGA 165 for SCOTTY 48 or 221.

** Specify outlet connections below by adding a suffix code number only to the regulator model number. Assembly included.
 Suffix Code 1: needle valve, brass, 1/4" NPT Male (Model No. Q4-61B-4M)
 Suffix Code 2: hose connection, 1/4" diameter with integral flow orifice 1900 to 2800 mL/min (Model No. Q5-91H-B440)