

General Purpose Regulators

For Noncorrosive Service

Models 202 and 209

These regulators are designed for general purpose, noncorrosive service. Single-stage is recommended where inlet pressure does not vary greatly. Two-stage is ideal when constant delivery pressure is desired.



Model 202

Benefits/Features

Neoprene diaphragm permits accurate delivery pressure settings.

Outlet needle valve provides flow control.

Sintered metal filter in the seat assembly traps foreign particles and extends regulator life.

Specifications

Inlet Pressure:

202A, B, C, D; 209: 3000 psig (207 bar) max
202-300, 202-510: 400 psig (28 bar) max

Operating Temperature Range:

-40°F to 140°F (-40°C to 60°C)

Flow Coefficient:

202: Cv = 0.18

209: Cv = 0.15

Supply Pressure Effect:

202: 1 psi per 100 psi (0.1 bar per 7 bar)

209: 0.1 psi per 100 psi (0 bar per 7 bar)

Regulator Inlet Port: 1/4" NPT Female

Inlet Connection: Specify CGA

Outlet Connection: 1/4" NPT Male

and all other configurations

Gauge: 2" (53 mm) face

Weight:

202: 3.4 lbs. (1.5 kg)

209: 5.1 lbs. (2.3 kg)

Materials of Construction

Body: Brass

Diaphragm: Neoprene

Seat: PTFE

Seal: PTFE

Gauge: Brass

Bonnet: Painted zinc

Model 202, 209	Delivery Pressure Range		Flow Capacity Air	Delivery Pressure Gauge (dual scale)		Cylinder Pressure Gauge (dual scale)	
	psig	bar		psig	bar	psig	bar
Brass			scfh				
Single-Stage							
Q1-202-300 or 510	4 – 50	0.3 – 4	750	0 – 100	0 – 7	0 – 400	0 – 28
Q1-202A-(*)	2 – 15	0.1 – 1	350	0 – 30	0 – 2	0 – 4000	0 – 276
Q1-202B-(*)	4 – 50	0.3 – 4	750	0 – 100	0 – 7	0 – 4000	0 – 276
Q1-202C-(*)	10 – 125	0.7 – 9	1000	0 – 150	0 – 10	0 – 4000	0 – 276
Q1-202D-(*)	20 – 250	1 – 17	1500	0 – 400	0 – 27	0 – 4000	0 – 276
Two-Stage							
Q1-209-(*)	2 – 15	0.1 – 1	250	0 – 30	0 – 2	0 – 4000	0 – 276
Q1-209A-(*)	4 – 50	0.3 – 4	500	0 – 100	0 – 7	0 – 4000	0 – 276
Q1-209B-(*)	10 – 125	0.7 – 9	750	0 – 150	0 – 10	0 – 4000	0 – 276
Q1-209C-(*)	20 – 250	1 – 17	1000	0 – 400	0 – 27	0 – 4000	0 – 276

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