

212 SERIES

Regulatory z serii 212 przeznaczone są do kontroli niekorozyjnych gazów, gazów o wysokiej czystości. Gaz w płynnych dla urządzeń wymagających stałej kontroli ciśnienia i dostawy niezależnie od wahań ciśnienia.

- Dwustopniowe
- Obudowa z chromowanego kutego mosiądzu
- Membrana ze stali nierdzewnej
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Typowe zastosowania

Nitrogen
Nitrogen
Oxygen
Carbon dioxide
Certain freons



212 2331-580 shown

Features

CAPSULE® Seat
Increased serviceability and life

316L Stainless Steel Diaphragm
No inboard diffusion

Forged Body
Durable, long-lasting construction

Field-Adjustable Pressure Limit
Safeguard downstream equipment

Large Convoluted Diaphragm
Smooth pressure changes

Standard Relief Valve
Diaphragm and gauge protection

Chrome-Plated Forged Brass Body
Economical high purity design

High Flow Capacity
Supply multiple user locations

Pressure Ranges 0-15 to 0-200 PSIG (0-1 to 0-14 BAR)
Broad range of applications

Materials

Body
Chrome-plated forged brass

Bonnet
Chrome-plated die-cast zinc

Seat
PTFE

PTFE with 3500 PSIG (240 BAR) or 4500 PSIG (310 BAR)

Filter
10 micron sintered bronze

Diaphragm
316L stainless steel

Internal Seals
PTFE

Specifications

Maximum Inlet Pressure
3000 PSIG (210 BAR)
3500 PSIG (240 BAR) optional
4500 PSIG (310 BAR) optional

Temperature Range
-40°F to 140°F (-40°C to 60°C)

Gauges
2 1/2" (68mm) diameter chrome-plated brass

Ports
1/4" FPT

Helium Leak Integrity
1 x 10⁻⁸ scc/sec

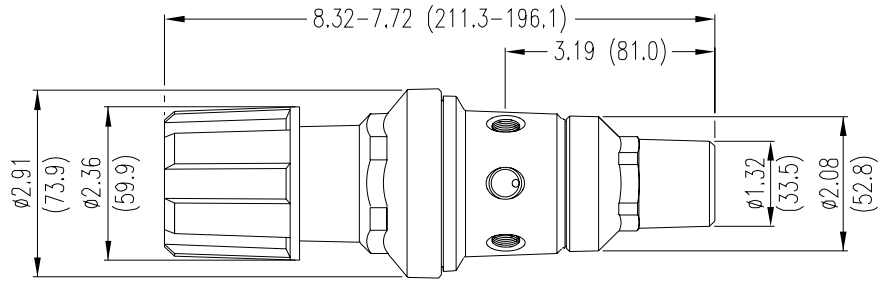
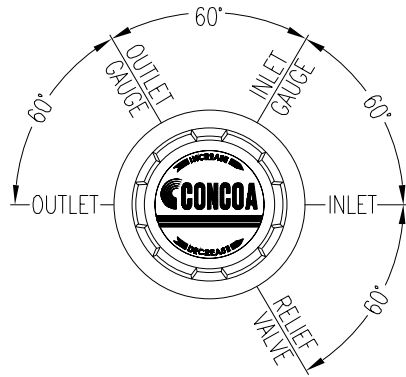
Cv
0.28
See page 192 for flow curves

Weight (212 2331-580)
5.1 lbs. (2.3 kg)

200 Series Regulators



Installation Dimensions



Ordering Information

212	A	B	C	D	-CON	Options	
Series 212	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly Gauges	Inlet Connections	Installed Options
	1: 0-15 PSIG (0-1 BAR)	0-30 PSIG/ 0-2 BAR	0: None	0: 1/4" FPT port	0: Bare body	000: 1/4" FPT	B: Protocol alarm station (110/220 VAC)
	2: 0-40 PSIG (0-3 BAR)	0-60 PSIG/ 0-4 BAR	3: 0-4000 PSIG/ 0-275 BAR	1: 1/4" MPT	1: Standard assembly (PSIG/kPa gauges)	TF2: 1/8" tube	C: Protocol switchover station
	3: 0-120 PSIG (0-8 BAR)	0-200 PSIG/ 0-14 BAR	5: 0-1000 PSIG/ 0-70 BAR	2: 1/4" tube fitting	2: Standard assembly (BAR/PSIG gauges)	TF4: 1/4" tube	H: Protocol switchover station with alarm (110/220 VAC)
	4: 0-200 PSIG (0-14 BAR)	0-400 PSIG/ 0-27 BAR	6: 0-400 PSIG/ 0-27 BAR	3: Diaphragm valve 1/4" tube fitting		TF6: 3/8" tube	M: Protocol station
	5: 0-15 PSIG (0-1 BAR)*	0-30 PSIG/ 0-2 BAR with redline for acetylene use	8: 0-6000 PSIG/ 0-405 BAR*	4: Diaphragm valve 1/4" MPT		M06: 6mm tube	Q: Protocol purge station
	* Not available with 4500 PSIG (310 BAR) Max Inlet		9: 0-600 PSIG/ 0-42 BAR	5: Needle valve 1/4" MPT		CGA DIN 477 BS 341 and others available	T: Tee purge
G: 0-4000 PSIG/ 0-275 BAR†			6: 1/8" tube fitting				
* Max inlet 4500 PSIG (310 BAR) with PCTFE seat CAPSULE®			7: 3/8" tube fitting				
			8: Diaphragm valve 1/8" tube fitting				
†Maximum inlet pressure 3500 (240 BAR) with PCTFE seat CAPSULE®			9: Diaphragm valve 1/4" FPT				
			A: 3/8" BSP RH fitting				
B: Diaphragm valve 3/8" tube fitting							
C: 3/8" BSP LG fitting							
D: 6mm brass hose barb (not available if A=4 or 5)							
G: 1/8" stainless steel tube fitting							
H: 1/4" stainless steel tube fitting							
M: 6mm tube fitting							
S: Diaphragm valve 6mm tube fitting							

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