

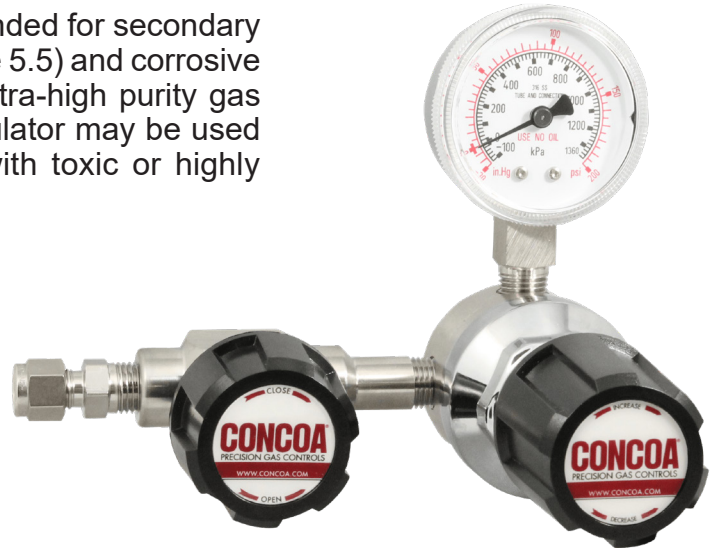
324 SERIES REGULATORS



The 324 Series single stage regulators are intended for secondary pressure control of high purity purity (up to grade 5.5) and corrosive gases or as point-of-use pressure control in ultra-high purity gas distribution systems. While the 324 Series regulator may be used with mildly reactive gases, it is not for use with toxic or highly corrosive gases.

Typical Applications

- Gas and Liquid Chromatography
- Bulk Gas Distribution Systems
- Ultra-High Purity Carrier Gases
- Zero, Span, and Calibration Gases
- Liquified Hydrocarbon Gas Control
- Control of Cryogenic Gases



324 3031-01-000 shown

Features

CAPSULE® Seat increases serviceability and life

316L Stainless Steel Diaphragm prevents inboard diffusion

Low Wetted Surface Area minimizes purge requirements

Field-Adjustable Pressure Limit safeguards downstream equipment

Convolute Diaphragm provides smooth pressure changes

Compact Design permits easy transport and system integration

Rear Panel-Mountable allows easy installation

Pressure Ranges from 0-15 to 0-500 PSIG (0-1 to 0-34 BAR) facilitate a broad range of applications

Materials and Specifications

Maximum Inlet Pressure (bare body): 3000 PSIG (210 BAR)

Body: 316L stainless steel barstock

Bonnet: Chrome-plated, die-cast zinc

Gauges: 2 in (50 mm) diameter stainless steel internals with plated case

Seat: PTFE

Filter: 10-micron 316 stainless steel mesh

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

Diaphragm: 316L stainless steel

Cv: 0.1 See flow curves attached

Helium Leak Integrity: 1×10^{-8} scc/sec

Internal Seals: PTFE

Ports (bare body): 1/4 in FPT

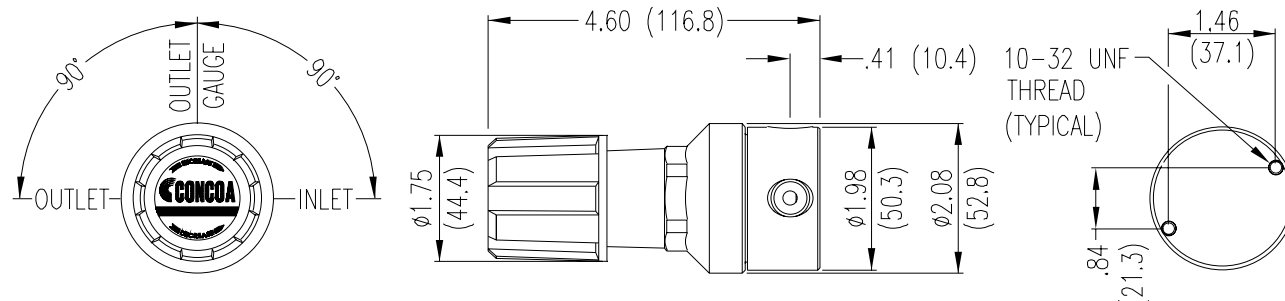
Weight (324 2021-000): 2.4 lbs (1.1 kg)

Conformances: Cleanliness meets or exceeds CGA G-4.1; PED 2014/68/EU; ANSI/ASME B40.1; CRN OH5216

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Installation Dimensions



Ordering Information

324	A	B	C	D	-CON	Options	
Series 324	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly Gauges	Inlet Connections	Installed Options
	1: 0-15 PSIG (0-1 BAR)	30 in -0-30 PSIG/ -1-0-2 BAR	0: None	0: 1/4 in FNPT port	0: Bare body	000: 1/4 in FNPT	M: Protocol station
	2: 0-50 PSIG (0-3.5 BAR)	30 in -0-100 PSIG/ -1-0-7 BAR		1: 1/4 in MNPT	1: Standard assembly (PSIG/kPa gauges)	TF2: 1/8 in tube	Q: Protocol purge station
	3: 0-100 PSIG (0-7 BAR)	30 in -0-200 PSIG/ -1-0-14 BAR		2: 1/4 in tube fitting	2: Standard assembly (BAR/PSIG gauges)	TF4: 1/4 in tube	
	4: 0-250 PSIG (0-17 BAR)	0-400 PSIG/ 0-27 BAR		3: Diaphragm valve 1/4 in tube fitting		TF6: 3/8 in tube	
	5: 0-500 PSIG (0-34 BAR)	0-1000 PSIG/ 0-70 BAR		4: Diaphragm valve 1/4 in MNPT		M06: 6 mm tube	
	7: 0-150 PSIG (0-10 BAR)	30 in -0-200 PSIG/ -1-0-14 BAR		5: Needle valve 1/4 in MNPT			
				6: 1/8 in tube fitting			
				7: 3/8 in tube fitting			
				8: Diaphragm valve 1/8 in tube fitting			
				9: Diaphragm valve 1/4 in FNPT			
				M: 6 mm tube fitting			
				S: Diaphragm valve 6 mm tube fitting			

Related Options

Part No.	Description
835 0204	Rear panel mount kit

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Flow Curves for 324 Series

