

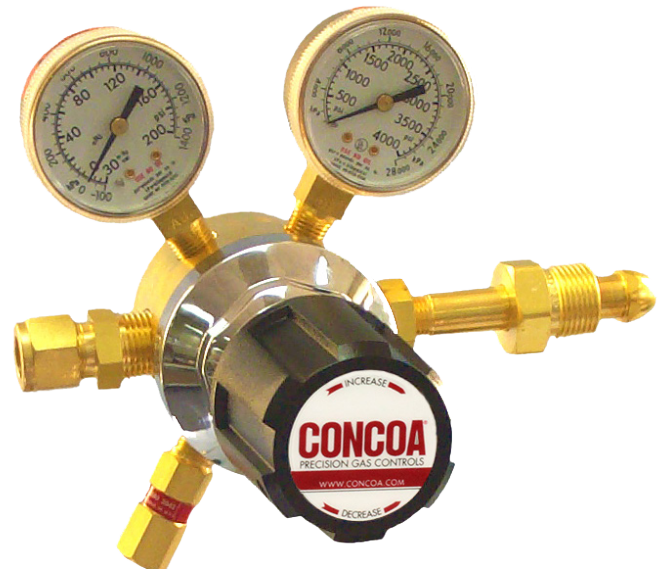
605 SERIES MANIFOLD REGULATOR



The 605 Series single stage, six port regulators offer precise pressure control at the source. These high flow manifold regulators, for use with either liquid or high pressure cylinders, are intended for applications with pressure requirements up to 250 PSIG (17 BAR).

Typical Applications

- Liquid or High Pressure Cylinder Use
Beam Purge, Nitrogen or Oxygen Assist
- Bulk Gas Distribution Systems
Tube Trailers, Cylinder Cradles, and Bulk Stations
- Laser Welding and Shielding Gases
Carbon Dioxide, Argon, Helium



6053311-01-580 shown

Features

Stainless Steel Diaphragm ensures high purity design

40-micron Stainless Steel Internal Filter limits the possibility of gas contamination

Balanced Stem Seat Design maintains constant delivery pressure

Materials and Specifications

Maximum Inlet Pressure: 3000 PSIG (210 BAR)

Body: Brass barstock

Bonnet: Chrome-plated die cast zinc

Gauges: 2 in (50 mm) diameter brass

Seat: PCTFE

Filter: 40-micron 316L stainless steel mesh

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

Diaphragm: 316L stainless steel

Cv: 2.3 *See flow curves attached*

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

Internal Seals: PTFE

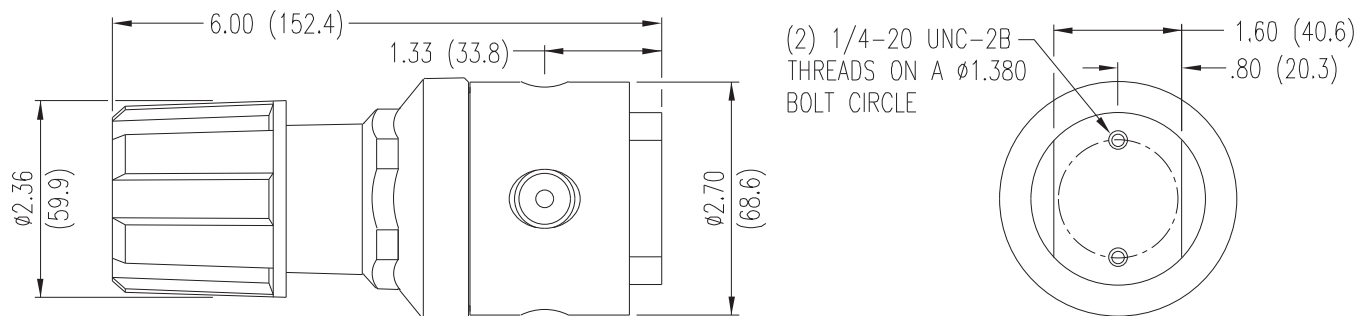
Inlet/Outlet Connections: 1/2 in FNPT; 1/4 in FNPT (gauges)

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

605	A	B	C	D	-CON	Options	
Series 605	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/Gauges	Inlet	Installed Options
	1: 0-15 PSIG (0-1 BAR)	0-30 PSIG/ 0-2 BAR	3: 0-4000 PSIG/ 0-275 BAR	0: 1/2" FNPT port	1: Right hand inlet (PSIG/kPa gauges)	000: 1/2" FNPT	B: Laser gas alarm station (110/220V)
	2: 0-40 PSIG (0-2.8 BAR)	0-60 PSIG/ 0-4 BAR	9: 0-600 PSIG/ 0-41 BAR	1: 1/2" stainless steel compression tube fitting	2: Right hand inlet (BAR/PSIG gauges)	M12: 12mm tube fitting	C: Laser gas switchover station
	3: 0-120 PSIG (0-8 BAR)	0-200 PSIG/ 0-14 BAR		2: 12mm stainless steel compression tube fitting	6: Left hand inlet (PSIG/kPa gauges)	TF8: 1/2" tube fitting	H: Laser gas switchover station with alarm (210V)
	4: 0-200 PSIG (0-14 BAR)	0-400 PSIG/ 0-27 BAR			7: Left hand inlet (BAR/PSIG gauges)	CGA, DIN 477 BS 341 and others available.	M: Laser gas station
	5: 0-250 PSIG (0-17 BAR)	0-400 PSIG/ 0-27 BAR					

Related Options

Part No.	Option	Description
502 Series Purges	Purge Devices	Tee and Straight Purge configurations to satisfy all requirements
Add Letter "M" after inlet	Laser Gas Station	Wall mount bracket, including stainless steel hose with check valve in the inlet gland
835 0204	Mounting Bracket	Rear panel mounting kit for wall or bracket mount

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Flow Curves for 605 Series

