

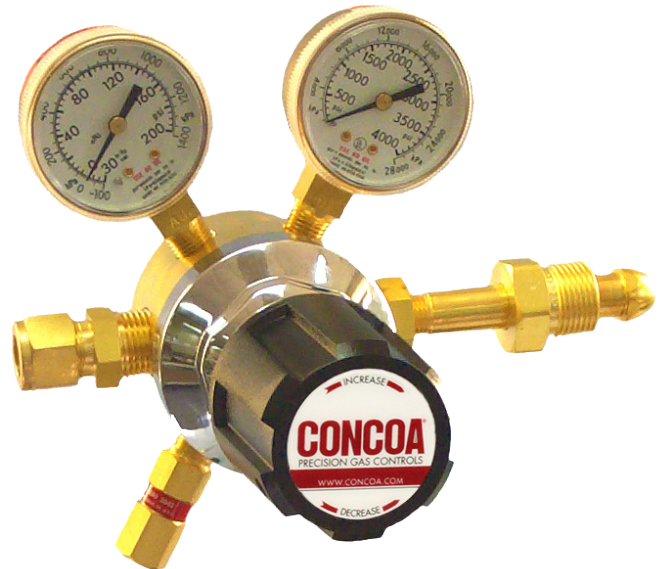
# 605 SERIES MANIFOLD REGULATOR



The 605 Series Regulators are intended for pressure control at the source of either liquid or high pressure cylinders for applications with pressure requirements up to 250 PSIG.

## 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 Weldin 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

**Diaphragm:** 316L stainless steel

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

**Gauges:** 2 in (50 mm) diameter brass

**Filter:** 40-micron 316L stainless steel mesh

**Inlet/Outlet Connections:** 1/2 in FNPT

**Cv:** 2.3

**Weight:** 124 lbs. (56 kg)

**Helium Leak Integrity:**  $1 \times 10^{-8}$  scc/sec

**Internal Seals:** PTFE

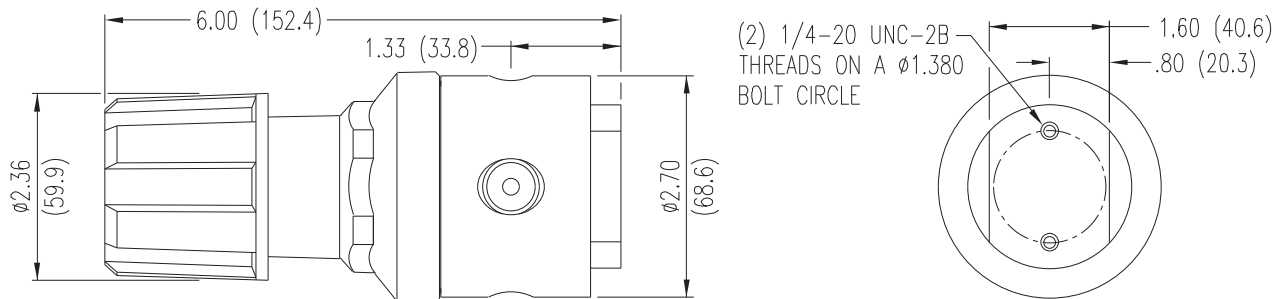
**Seat:** PCTFE

**Conformances:** Cleanliness meets or exceeds CGA G-4.1; ANSI/ASME B40.1; CRN OH5216.5

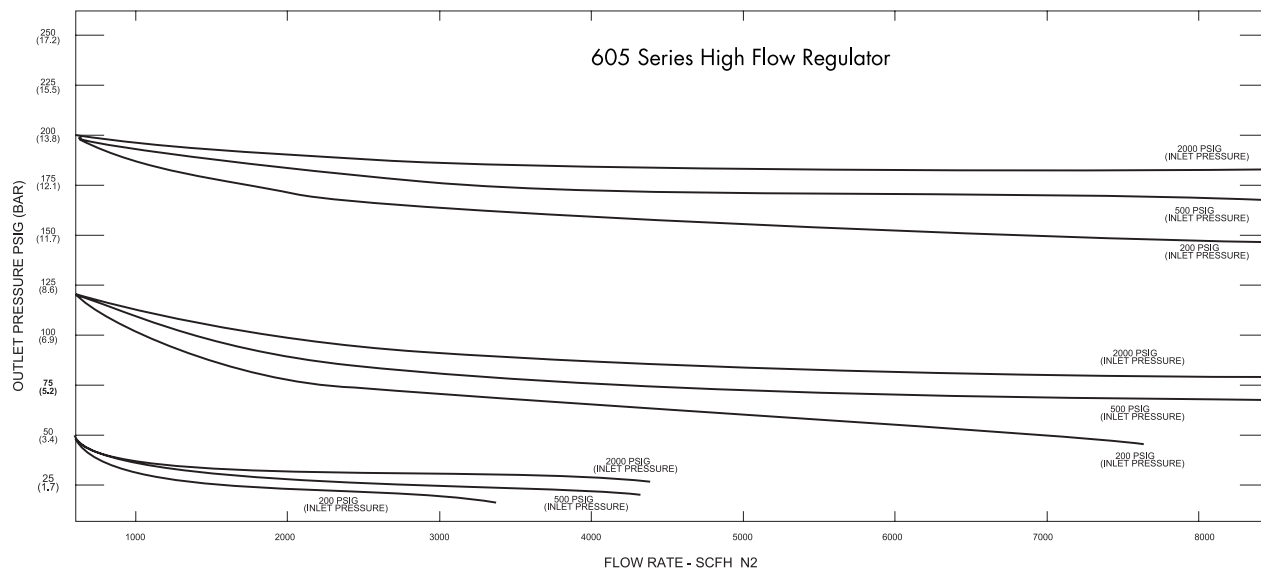
# 605 SERIES MANIFOLD REGULATOR



## Installation Dimensions



## Flow Performance Curves



## 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" FPT port	1: Right hand inlet (PSIG/kPA gauges)	000: 1/2" FPT	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
8350204	Mounting Bracket	Rear panel mounting kit for wall or bracket mount