

605 SERIES

Assist
Gas Supply

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.



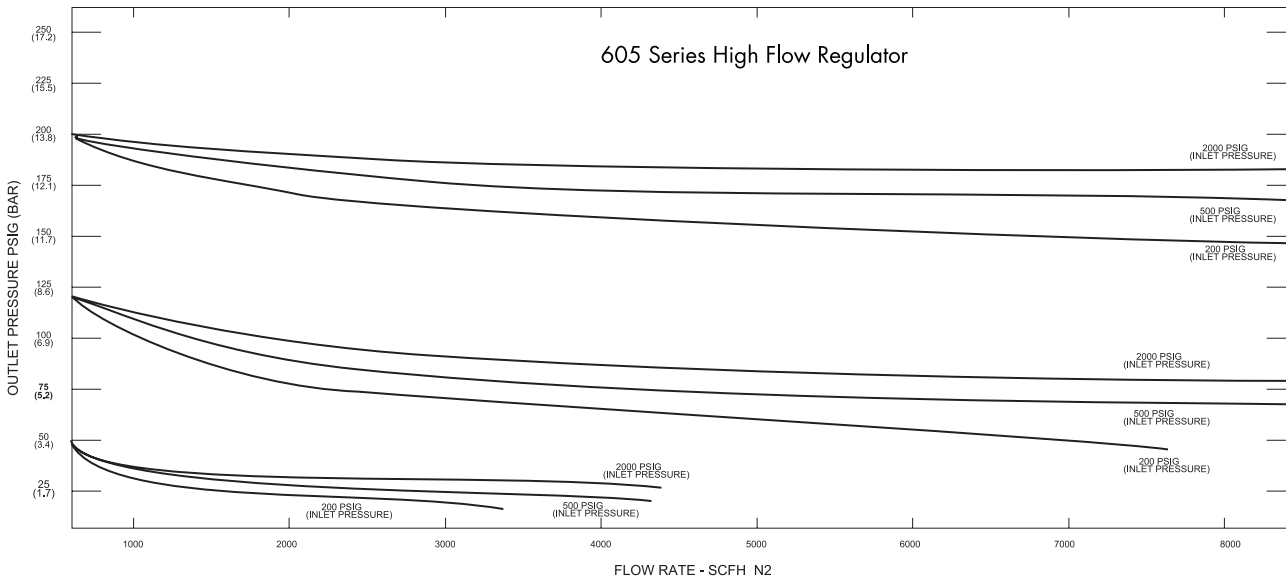
Advanced Features

UP TO 3000 PSIG (210 BAR)	Liquid or high pressure use
HIGH FLOW DELIVERY REGULATOR	ISOFLOW™ seat design
BALANCE STEM SEAT	Eliminates decaying inlet pressure fluctuation
STAINLESS STEEL DIAPHRAGM	High purity design

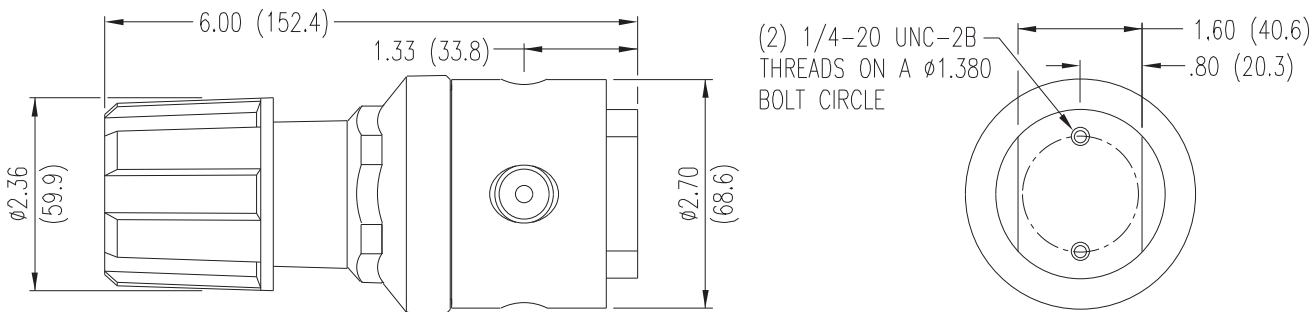
6053311-01-580 shown

Applications	Materials	Specifications
Liquid or High Pressure Cylinder Use Beam Purge Nitrogen or Oxygen assist	Body Brass barstock	Maximum Inlet Pressure 3000 PSIG (210 BAR)
Bulk Gas Distribution Systems	Bonnet Chrome-plated die cast zinc	Temperature Range -40°F to 140°F (-40°C to 60°C)
Laser Welding Shielding Gases Carbon Dioxide Argon Helium	Seat PTFE	Gauges 2" diameter brass
	Filter 40-micron 316L stainless steel mesh	Ports 1/2" FPT (inlet/outlet) 1/4" FPT (gauges)
	Diaphragm 316L stainless steel	Helium Leak Integrity 1 x 10 ⁻⁸ scc/sec
	Internal Seals PTFE	

Flow Performance Curves



Installation Dimensions



Ordering Information

605	A	B	C	D	CON	Options	
Series	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/Gauges	Inlet	Installed Options
605	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

Option	Series	Description
Laser Panels	See Page 7	Three Gas Panel delivery systems for the Laser Gases (Helium, Nitrogen and Carbon Dioxide)
Purge Devices	See Page 49	Tee and Straight Purge configurations to satisfy all requirements
Laser Gas Station	Add Letter "M" after inlet	Wall mount bracket, including stainless steel hose with check valve in the inlet gland
Mounting Bracket	8350204	Rear panel mounting kit