

601 Series

high purity, two stage brass barstock regulator



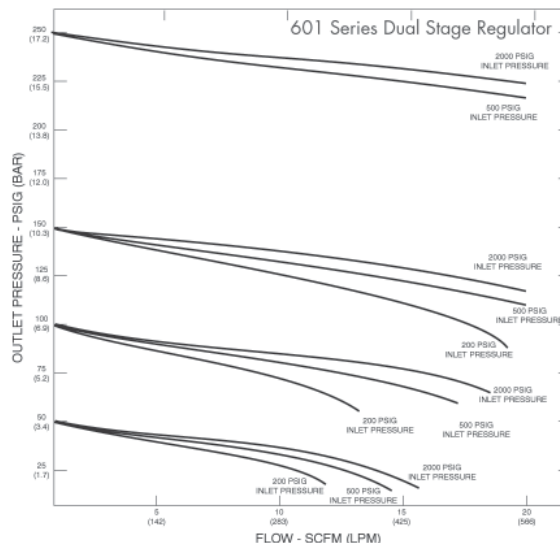
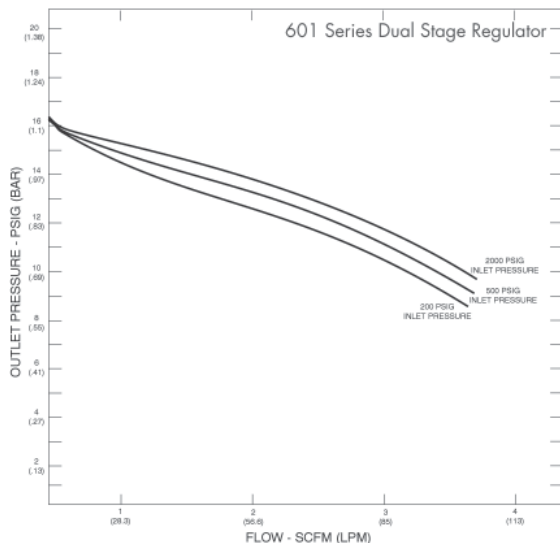
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Description	Advanced Features	
<p>The 601 Series dual-stage regulator was designed with beam-mode quality in mind. The 601 offers M² technology that virtually eliminates atmospheric contamination during a cylinder change. Low level moisture and hydrocarbon contents yield a more stable emission and higher resonator efficiencies which makes the 601 Series the right choice.</p>	<ul style="list-style-type: none"> • <i>Machined Brass Barstock Body</i> Smooth surface finish • <i>Low Wetted Surface Area</i> Minimal purge requirements • <i>Convolutd 316L Diaphragm</i> No inboard diffusion • <i>Optional Integral Purge</i> Eliminates atmospheric contamination 	<ul style="list-style-type: none"> • <i>10-Micron Filtration in Both Stages</i> Reduces particle contamination • <i>Optional CGA Check Valve</i> Minimizes atmosphere exposure • <i>Optional Pressure Cycle Purge</i> Eliminates dead-space contaminate • <i>Capsule Seat</i> Increase serviceability and life

Applications

<p><i>Laser Pure Resonator Gases</i> Helium Nitrogen Carbon Dioxide</p> <p><i>Laser Mixed Resonator Gases</i> Three gas premix Four gas premix Five gas premix</p> <p><i>Laser Purging Gases</i> Zero Air Nitrogen</p> <p><i>Maintenance Gases</i> Nitrogen</p>	<p><i>Body</i> Machined brass barstock</p> <p><i>Bonnet</i> Chrome-plated die cast zin</p> <p><i>Seat</i> PTFE</p> <p><i>Filter</i> 10 micron sintered bronze</p> <p><i>Diaphragm</i> 316L stainless steel</p> <p><i>Internal Seals</i> PTFE</p>	<p><i>Maximum Inlet Pressure</i> 3,000 PSIG (210 BAR) 4,500 PSIG (310 BAR)</p> <p><i>Temperature Range</i> -40°F to 140°F (-40°C to 60°C)</p> <p><i>Gauges</i> 2" diameter dual scale</p> <p><i>Ports</i> ¼" FPT</p> <p><i>Cv</i> 0.1</p> <p><i>Weight (493-5951-677)</i> 4.8 lbs. (2.16 kg)</p>
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Flow Performance



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Ordering Information and Configuration Options

601	A		B	C	D	Inlet	Options
Series 601	Outlet Pressure 1: 0-750 2: 0-1500 3: 0-2500 4: 0-4500* 5: 0-6000† 6: 0-3500*	Outlet Gauge 0-1000 PSIG 0-4000 PSIG 0-4000 PSIG 0-6000 PSIG 0-10,000 PSIG 0-6000 PSIG	Inlet Gauge 0: None 3: 0-4000 PSI 8: 0-6000 PSI*	Outlet Assemblies 0: 1/4" FPT Port 1: 1/4" MPT 2: 1/4" Tube Fitting 6: 1/8" Tube Fitting 7: 3/8" Tube Fitting A: 3/8" BSP Right Hand Fitting M: 6mm Tube Fitting	Assembly/Gauges 0: Bare Body 1: Standard Assembly (PSI/kPa Gauges) 2: Standard Assembly (BAR/PSI Gauges) 3: Integral Purge (PSI/kPa Gauges) 4: Integral Purge (BAR/PSI Gauges) 5: Integral Purge with Fitting* (PSI/kPa Gauges) 6: Integral Purge with Fitting* (BAR/PSI Gauges)	Inlet Connections 000: 1/4" FPT TF2": 1/8" Tube TF4": 1/4" Tube TF6": 3/8" Tube M06: 6mm Tube CGA DIN 477 BS 341 and others available	Installed Options A: Laser Gas Station Alarm (110V) C: Laser Gas Switchover Station M: Laser Gas Station N: Regulator CGA Check Valve Gland P: Inlet Pressure Cycle Purge
			*Alarm option not available		*Fitting matches outlet assembly		