

408 Series

single stage, aluminum barstock regulator



Description	Advanced Features	Typical Applications
<p>The 408 Series regulators are intended for primary pressure control of mildly corrosive high purity gases such as ammonia, hydrogen sulfide and sulfur dioxide or for applications requiring the light weight of an aluminum body regulator.</p>	<ul style="list-style-type: none"> • <i>Anodized aluminum body</i> Cost-effective corrosion resistance • Front and rear panel mountable Versatile system configuration • Pressure ranges 0-15 to 0-500 PSIG Broad range of applications 	<ul style="list-style-type: none"> • Semi-corrosive gases and mixtures • Gas and liquid chromatography • High purity carrier gases • Zero, span and calibration gases • High purity chamber pressurization • Mildly corrosive gases

400 Series Advantage	Materials	Specifications
<ul style="list-style-type: none"> • <i>Metal-to-metal diaphragm seal</i> No possibility of gas contamination • <i>Capsule® seat</i> Increased serviceability and life • <i>316L stainless steel diaphragm</i> No inboard diffusion • <i>Orientable captured vent capable</i> Safety in any installation • <i>Low wetted surface area</i> Minimal purge requirements • <i>Field-adjustable pressure limit</i> Safeguard downstream equipment • <i>Pipe away relief valve</i> Safely vent exhaust gases • <i>Delivery pressure range easily changed</i> Maximum flexibility 	<p><i>Body</i> Anodized aluminum barstock</p> <p><i>Bonnet</i> Anodized aluminum barstock</p> <p><i>Seat</i> PTFE</p> <p><i>Filter</i> 10 micron stainless steel multi-layer mesh</p> <p><i>Diaphragm</i> 316L stainless steel</p> <p><i>Internal Seals</i> PTFE</p>	<p><i>Maximum Inlet Pressure</i> 3000 PSIG (210 BAR)</p> <p><i>Temperature Range</i> -40°F to 140°F (-40°C to 60°C)</p> <p><i>Gauges</i> 2" diameter stainless steel</p> <p><i>Ports</i> ¼" FPT</p> <p><i>Helium Leak Integrity</i> 1 x 10⁻⁹ scc/sec</p> <p><i>Cv</i> 0.1</p> <p><i>Weight (408-2331-660)</i> 2.7 lbs. (1.24 kg)</p>