



486 SINGLE STAGE STAINLESS STEEL ULTRA-HIGH FLOW REGULATOR

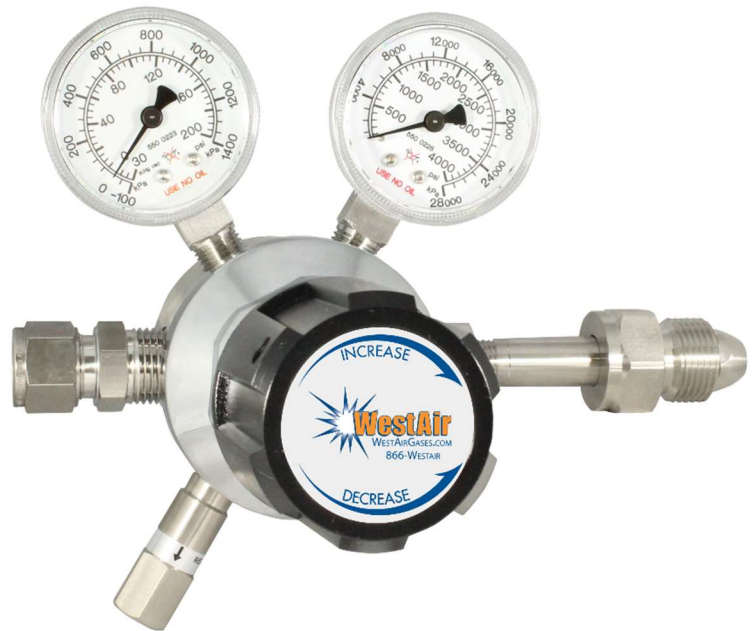
The 486 Series regulator applications are wide and varied including high flow purging, semiconductor CDA and bulk gas supply, modified atmosphere packaging, pharmaceutical processing, manifold and line regulation.

Highlighted Features

- Single Stage
- Ultra-High Flow
- 316L Stainless Steel Barstock Body
- Six Port Configuration
- 316L Stainless Steel Diaphragm

Typical Applications

- ❖ Bulk gas distribution systems
- ❖ Gas and liquid chromatography
- ❖ High purity carrier gases
- ❖ Zero, span, and calibration gases
- ❖ High purity chamber pressurization
- ❖ Liquefied hydrocarbon gas control
- ❖ Control of cryogenic gases



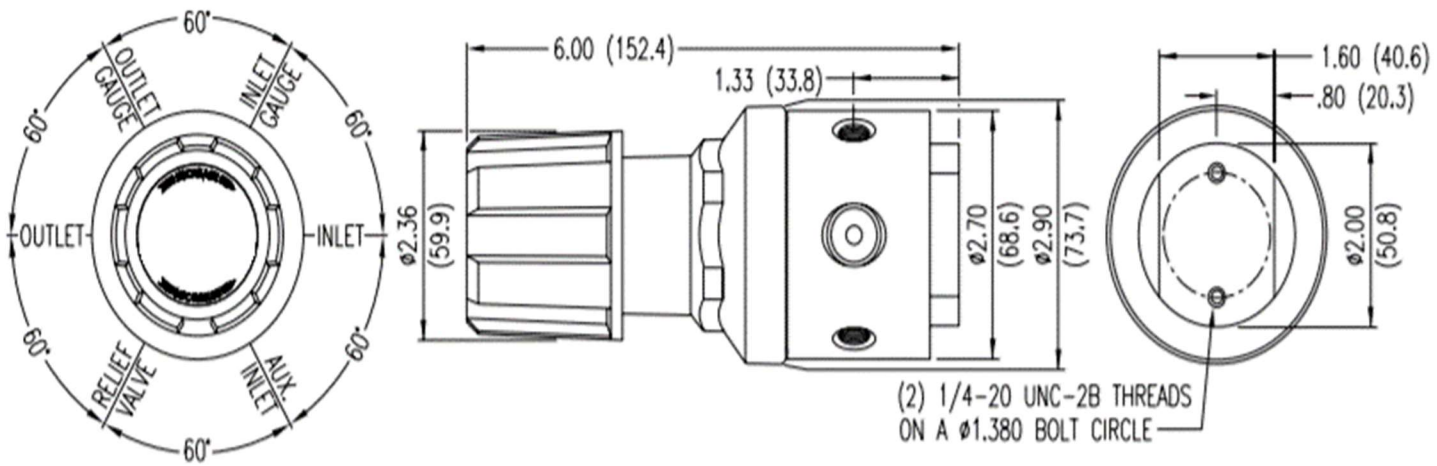
Features	Materials	Specifications
<p>PTFE Diaphragm Seal No possibility of gas contamination</p> <p>ISOFLOW Technology Internal equalization provides constant delivery pressure at high flows</p> <p>316L Stainless Steel Barstock Body Smooth surface finish</p> <p>Rear Panel-Mountable Versatile system configuration</p> <p>Pressure Ranges 0-15 To 0-250 PSIG (0-1 to 0-17 BAR) Broad range of applications</p> <p>Pipe Away Relief Valve Safely vents exhaust gases</p>	<p>Body 316L stainless steel barstock</p> <p>Bonnet Chrome-plated die-cast zinc</p> <p>Seat PCTFE</p> <p>Filter 40 micron 316L stainless steel mesh</p> <p>Diaphragm 316L stainless steel</p> <p>Internal Seals PTFE</p>	<p>Maximum Inlet Pressure 3000 PSIG (210 BAR)</p> <p>Temperature Range -40°F to 140°F (-40°C to 60°C)</p> <p>Gauges 2" (53mm) diameter stainless steel</p> <p>Ports 1/2" FPT (inlet/outlet) 1/4" FPT (gauges/relief valve)</p> <p>Helium Leak Integrity 1 x 10⁻⁸ scc/sec</p> <p>Cv 1.0 <i>Flow curves on pages to follow</i></p> <p>Weight (486 3301-000) 5.06 lbs. (2.30 kg)</p>

Order Information

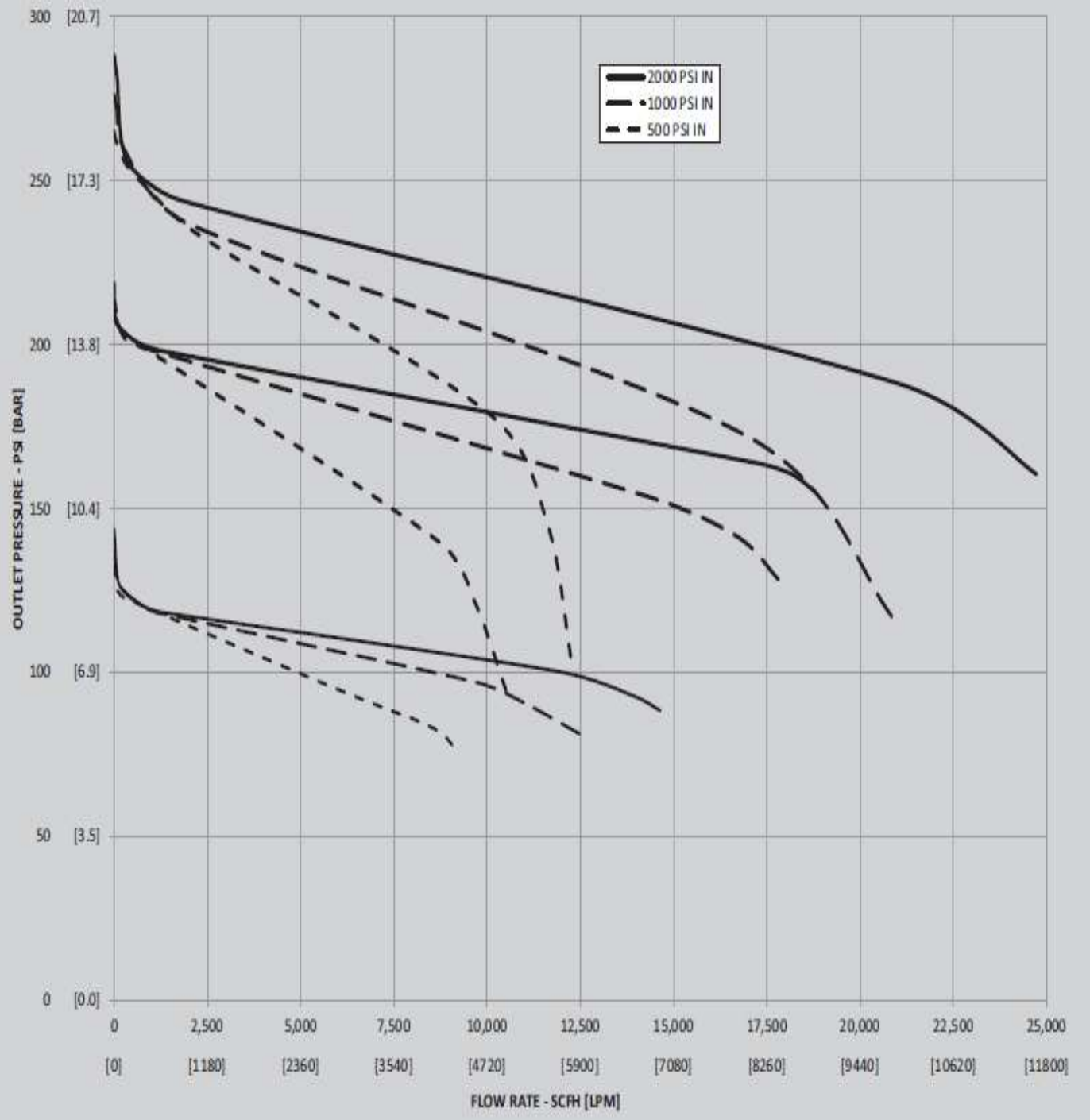
Model	A	B	C	D	-CON	OPTIONS	
Series	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/Gauges	Inlet Connections	Installed Options
486	1: 0-15 PSIG (0-1 BAR)	30"-0-30 PSIG/ -1-0-2 BAR	0: None	0: 1/2" FPT port	0: Bare body	000: 1/2" FPT	B: Protocol alarm station with pressure switch gauges C: Protocol switchover station
	2: 0-40 PSIG (0-3 BAR)	30"-0-60 PSIG/ -1-0-4 BAR	3: 0-4000 PSIG/ 0-275 BAR	1: 1/2" tube fitting	1: Cleanroom assembly (PSIG/kPa gauges)	TF8: 1/2" tube	E: Protocol alarm station with intrinsically safe transducer for hazardous environments
	3: 0-120 PSIG (0-8 BAR)	30"-0-200 PSIG/ -1-0-14 BAR	5: 0-1000 PSIG/ 0-70 BAR	5: Needle valve 1/4" MPT	2: Cleanroom assembly (BAR/PSIG gauges)	M12: 12mm tube	H: Protocol switchover alarm station with pressure switch gauges
	4: 0-200 PSIG (0-14 BAR)	0-400 PSIG/ 0-27 BAR	6: 0-400 PSIG/ 0-28 BAR	P: 12mm tube fitting	6: Mirror image assembly (PSIG/kPa gauges)	CGA DIN 477 BS 341 and others available	J: Protocol alarm station with standard transducer for non- hazardous environments
	5: 0-250 PSIG (0-17 BAR)	0-400 PSIG/ 0-27 BAR	7: 0-200 PSIG/ 0-17 BAR		7: Mirror image assembly (BAR/PSIG gauges)		K: Protocol switchover alarm station with standard transducer for non-hazardous environments
			9: 0-600 PSIG/ 0-42 BAR				M: Protocol station Q: Protocol purge station*
							X: Protocol switchover alarm station with intrinsically safe transducer for hazardous environments

NOTES: *Not available with 4500 PSIG (310 BAR) max inlet pressure

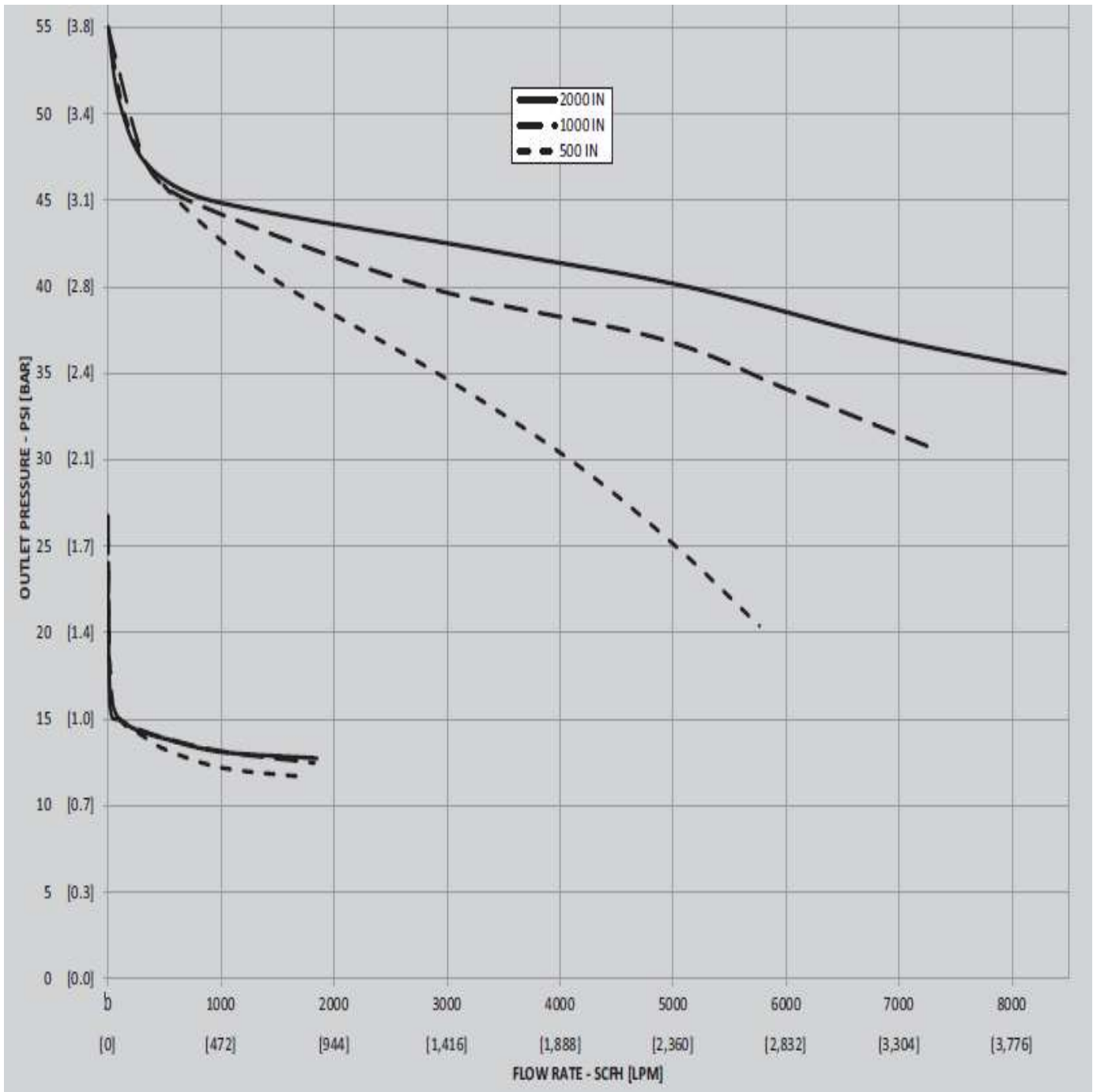
Installation Dimensions



486 Regulator Flow Curves



486 Regulator Flow Curves - continued



Can't find what you need? We will be happy to assist you to find the right regulator to fit your needs.