



Specialty Regulator Selection Chart

Regulator Family	Model Series	Gas Service	Stages	Max. Inlet (psig)	Outlet Range (psig) ¹	Design Features	Applications
High Pressure	3030 Brass	Non-corrosive	1	3000	100-1500	<ul style="list-style-type: none"> Brass or stainless steel barstock bodies 316 stainless steel piston 	<ul style="list-style-type: none"> Applications requiring up to 6000 psig delivery pressure Manufacturing processes, charging of systems, purging 3060 series available relieving and non relieving
	3040 Brass	Non-corrosive	1	3000	100-2500		
	3060A Brass	Non-corrosive	1	7500	200-6000		
	3060SA Stainless Steel	Non-corrosive	1	10,000	200-6000		
	3060AR Brass	Non-corrosive	1	7500	200-6000		
	3060SAR Stainless Steel	Non-corrosive	1	10,000	200-6000		
Deluxe Corrosive Service	3210A	Corrosives: HCl, HF, HBr, Cl ₂	1	3000	1-200	<ul style="list-style-type: none"> Monel construction and Monel/Kel-F internals for superior corrosion resistance 	<ul style="list-style-type: none"> Applications requiring extended regulator lifespan in severe conditions
Fluorine Corrosive Service	3225A	Corrosives: F and F ₂ mixtures ²	1	1000	1-50	<ul style="list-style-type: none"> Monel construction with bronze filled Teflon seat and Kel-F seals 	<ul style="list-style-type: none"> Use with fluorine and fluorine mixtures
High Flow	3200	Non-corrosive	1	3000	0-250	<ul style="list-style-type: none"> Brass (3240) or stainless steel (3200) barstock bodies 1/2" NPTF inlet and outlet ports 	<ul style="list-style-type: none"> Applications requiring a high flow rate, such as purging of large reactor or storage vessels
	3240	Non-corrosive	1	3000	0-250		
Low Pressure	81-2 General Purpose	Non-corrosive	2	3000	0.1-2	<ul style="list-style-type: none"> Economical forged brass (81-2) or high purity brass barstock (3396) bodies Economical Neoprene (81-2) or 316 stainless steel (3396) diaphragms 	<ul style="list-style-type: none"> 81-2: Applications requiring a reduction of full cylinder pressure down to a low working pressure, such as fuel supply to burners or purging low pressure environmental chambers 3396: Applications requiring subatmospheric pressure control
	3396 Absolute Pressure	Non-corrosive	1	3000	28" Hg-15 psig		
Back Pressure	6342A	Corrosive & non-corrosive	1	100	0-100	<ul style="list-style-type: none"> 316L stainless steel body 316 stainless steel diaphragm 	<ul style="list-style-type: none"> Used to relieve system overpressure, like a relief valve
Low Dead Volume	3590A	Non-corrosive	1	3000	2-100	<ul style="list-style-type: none"> 7 cc internal volume minimizes contamination and adsorption 316 stainless steel body & diaphragm 	<ul style="list-style-type: none"> Use with mixtures containing trace quantities of reactive and/or adsorptive gases or vapors 3590-TO specially cleaned for use with TO-14 calibration standards
	3590-TO	High purity TO-14 calibration standards	1	3000	2-100		
Lecture Bottle²	3320	Non-corrosive	1	3000	2-60 1-6	<ul style="list-style-type: none"> Forged brass (3230) or PVC (3330) bodies Neoprene (3230) or Teflon (3330) diaphragm 	<ul style="list-style-type: none"> Use with lecture bottles. 3330 designed for use with low pressure applications (1-6 psig); if higher pressures are required, use 3570 Series Mini Regulators
	3330	Corrosive	1	3000			

Regulators



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MicroMATE™ Preset Flow Rate	3345 Brass	Non-corrosive	1	240-1000 depending on model	30 psig (fixed)	<ul style="list-style-type: none"> Brass or 316 stainless steel bodies Fixed flow rate 0.3 slpm to LPM Push button (brass) or control knob (SS) on/off Hose barb outlet 3347: selectable flow rates from 0-3 slpm 	<ul style="list-style-type: none"> Used with MicroMAT™-14, -58, -105, -221 cylinders for delivery of calibration gases at a fixed flow rate
	3359 Stainless Steel	Non-corrosive or Semi-corrosive	1	500 psig	30 psig (fixed)		
	3347 Brass Variable Flow	Non-corrosive	1	3000 psig	50 psig (fixed)		
Specialty Line Regulators	3450 High flow line regulator	Semi-corrosive: dichlorosilane, ammonia, amines	1	500	2-100	<ul style="list-style-type: none"> High purity stainless steel body and diaphragm 	<ul style="list-style-type: none"> High purity, high flow applications (up to 730 SCFH)
	3491 Low delivery pressure line regulator	Non-corrosive	1	120	1 mm Hg - 1.8 psig	<ul style="list-style-type: none"> Economical brass body and butyl rubber diaphragm 	<ul style="list-style-type: none"> Non-corrosive, absolute pressure applications
	3494 Absolute pressure line regulator	Corrosive/high purity gases	1	120	28" Hg -15 psig	<ul style="list-style-type: none"> High purity stainless steel body and diaphragm 	<ul style="list-style-type: none"> Corrosive/high purity absolute pressure applications
	3700 Low pressure line regulator	Non-corrosive	1	250	2" wc ₃ - 10 psig	<ul style="list-style-type: none"> Cast zinc body and natural rubber diaphragm "Pancake" design 	<ul style="list-style-type: none"> Non-corrosive, low inlet pressure/low delivery pressure applications