Pure Gas Compatibility Chart

Pure Gases		Regulators							Flowmeters	
		100 Series	200 Series	300 Series		400 Series			500 Series	
		Brass	Chrome-plated brass	Chrome-plated brass	Stainless steel	Aluminum	Brass	Stainless steel	Chrome-plated brass	Stainless steel
Acetylene	C_2H_2									
Purified, 99.6%										
Air										
Zero/Ultra Zero										
Dry										
Ammonia	NH_3									
Electronic, 99.999%										
Anhydrous, 99.99%										
Argon	Ar									
Research, 99.9995%										
Ultra High Purity, 99.999%										
Pre-purified, 99.998%										
High Purity, 99.99%										
n-Butane	C_4H_{10}									
Research, 99.9% & CP 99.9%										
Carbon Dioxide	CO_2									
Research, 99.998%										
Instrument, 99.99%										
Bone Dry, 99.9%										
Carbon Monoxide	CO									
Research, 99.99%										
CP, 99.5%										
Technical, 98.5%										
Chlorine	Cl_2									
High Purity, 99.5% & CP, 99.7%										
Ethane	C_2H_6									
Research, 99.96% & CP, 99.7%										
Ethylene	C_2H_4									
Research, 9.98%										
CP, 99.5%										
Helium	He									
Research, 99.9999%										
Ultra High Purity, 99.999%										
Hydrogen	H_2									
Research, 99.9999%										
Ultra High Purity, 99.999%										
Pre-purified, 99.99%										
Extra Dry, 99.95%										
Hydrogen Chloride	HCl									
Electronic, 99.99% & Technical, 99%										
Hydrogen Sulfide	H_2S									
CP, 99.5%										

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		100 Series	200 Series	300 Series		400 Series			500 Series	
		Brass	Chrome-plated brass	Chrome-plated brass	Stainless steel	Aluminum	Brass	Stainless steel	Chrome-plated brass	Stainless steel
Isobutane	C_4H_{10}									
Research, 99.96% & CP, 99%			■	■	■	■	■	■	■	■
Krypton	Kr									
Research, 99.995%				■	■	■	■	■	■	■
Methane	CH_4									
Research, 99.99%			■	■	■	■	■	■	■	■
Ultra High Purity, 99.97%			■	■	■	■	■	■	■	■
CP, 99%			■	■	■	■	■	■	■	■
Technical, 98%			■	■	■	■	■	■	■	■
Methyl Chloride	CH_3Cl									
CP, 99.5%					■			■		■
Neon	Ne									
Research, 99.999%				■	■	■	■	■	■	■
Nitric Oxide	NO_2									
CP, 99%					■			■		■
Nitrogen	N_2									
Research, 99.9995%					■			■		■
Ultra High Purity, 99.999%				■	■		■	■	■	■
Pre-purified, 99.998%			■	■	■	■	■	■	■	■
High Purity, 99.99%		■	■	■	■	■	■	■	■	■
Nitrous Oxide	N_2O									
Electronic, 99.99%			■	■	■	■	■	■	■	■
CP, 99%			■	■	■	■	■	■	■	■
Oxygen	O_2									
Research, 99.995%				■	■		■	■	■	■
Ultra High Purity, 99.993%				■	■		■	■	■	■
Zero, 99.6%			■	■	■		■	■	■	■
Extra Dry, 99.6%			■	■	■		■	■	■	■
Phosphine	PH_3									
Electronic, 99.995%								■		
Propane	C_3H_8									
Research, 99.99%			■	■	■	■	■	■	■	■
Instrument, 99.5% & CP, 99%			■	■	■	■	■	■	■	■
Silane	SiH_4									
VLSI								■		
Semiconductor								■		
Sulfur Hexafluoride	SF_6									
CP, 99.8%			■	■	■	■	■	■	■	■
Xenon	Xe									
Research, 99.995%				■	■	■	■	■	■	■