

Flowmeter Compatibility Chart

Gas	Flowmeter Part	Material							
		150mm/65mm			HC1100		Economy Purge		
		Brass	SS	PTFE	Brass	SS	Brass	SS	
		End Fitting	Glass	Glass	Glass	Glass	Glass	Polycarbonate	Polycarbonate
		Tube	Buna-N®	Viton-A®	PTFE	Buna-N®	Viton-A®	Buna-N®	Viton-A®
	O-Rings	Buna-N®	Viton-A®	PTFE	Buna-N®	Viton-A®	-	-	
	Tube Packing	Viton-A®	Viton-A®	PTFE	Buna-N®	Viton-A®	-	-	
	Valve Stem	Brass	SS	PCTFE	Brass	SS	Brass	SS	
Acetylene		S	S	S	S	S	S	S	
Air		S	S	S	S	S	S	S	
Ammonia		U	U	S	U	U	U	U	
Argon		S	S	S	S	S	S	S	
* Arsilene		U	U	U	U	U	U	U	
Boron Trichloride		U	U	S	U	U	U	U	
Boron Trifluoride		U	S	S	U	S	U	U	
Boron-11 Trifluoride		U	S	S	U	S	U	U	
* Bromine Trifluoride		U	U	U	U	U	U	U	
1,3-Butadiene		S	S	S	S	S	S	S	
n-Butane		S	S	S	S	S	S	S	
1-Butene		S	S	S	S	S	S	S	
cis-2-Butene		S	S	S	S	S	S	S	
trans-2-Butene		S	S	S	S	S	S	S	
Carbon Dioxide		S	S	S	S	S	S	S	
Carbon Monoxide		S	S	S	S	S	S	S	
Chlorine		U	U	S	U	U	U	U	
* Chlorine Trifluoride		U	U	U	U	U	U	U	
Deuterium		S	S	S	S	S	S	S	
Dichlorosilane		U	S	S	U	S	U	U	
Dimethylamine		U	U	S	U	U	U	U	
Disilane		S	S	U	S	S	U	U	
Ethane		S	S	S	S	S	S	S	
Ethyl Chloride		S	S	S	S	S	S	S	
Ethylene		S	S	S	S	S	S	S	
* Fluorine		U	U	U	U	U	U	U	
Halocarbon-14		S	S	S	S	S	S	S	
Halocarbon-23		S	S	S	S	S	U	U	
Halocarbon-116		S	S	S	S	S	S	S	
Helium		S	S	S	S	S	S	S	
Hydrogen		S	S	S	S	S	S	S	
Hydrogen Bromide		U	U	U	U	U	U	U	
Hydrogen Chloride		U	U	S	U	U	U	U	
* Hydrogen Fluoride		U	U	U	U	U	U	U	
Hydrogen Sulfide		U	U	S	U	U	U	U	
Isobutane		S	S	S	S	S	S	S	
Isobutylene		S	S	S	S	S	S	S	
Krypton		S	S	S	S	S	S	S	
Methane		S	S	S	S	S	S	S	
Methyl Chloride		U	S	S	U	S	U	U	
Methyl Fluoride		S	S	S	S	S	S	S	
Monomethylamine		U	U	S	U	U	U	U	
Neon		S	S	S	S	S	S	S	
Nitrogen		S	S	S	S	S	S	S	
Nitrogen Dioxide		U	U	S	U	U	U	U	
Nitrogen Trifluoride		S	S	S	S	S	U	U	
Nitrous Oxide		S	S	S	S	S	S	S	
Octafluorocyclobutane		S	S	S	S	S	S	S	
Octafluoropropane		S	S	S	S	S	S	S	
Oxygen		U	S	S	U	S	U	U	
* Phosphine		U	U	U	U	U	U	U	
Propane		S	S	S	S	S	S	S	
Propylene		S	S	S	S	S	S	S	
* Silane		U	U	U	U	U	U	U	
Silicon Tetrachloride		U	U	S	U	U	U	U	
* Silicon Tetrafluoride		U	U	U	U	U	U	U	
Sulfur Dioxide		U	U	S	U	U	U	U	
Sulfur Hexafluoride		S	S	S	S	S	S	S	
* Sulfur Tetrafluoride		U	U	U	U	U	U	U	
Tetrafluoromethane		S	S	S	S	S	S	S	
Trimethylamine		U	U	S	U	U	U	U	
* Tungsten Hexafluoride		U	U	U	U	U	U	U	
Xenon		S	S	S	S	S	S	S	

Key: S = Satisfactory for use with the intended gas (dry anhydrous) at normal operating temperature of 70°F.

U = Unsatisfactory for use with intended gas.

* = Due to hazardous nature of intended gas, glass tube and plastic tube meters are NOT recommended with this gas.

THE USER SHOULD BECOME THOROUGHLY FAMILIAR WITH THE PROPERTIES OF THE INTENDED GAS TO SAFELY AND EFFECTIVELY SELECT, USE AND MAINTAIN GAS HANDLING EQUIPMENT.