

Gas List for MKS Instruments Multi-gas MFC & MFM

1. This gas list is applicable to MKS Instruments P-Series Mass Flow Controllers and Mass Flow Meters.
2. Three digit (xxx)gas numbers are referenced to Semi Practice E52 and are used to specify the gas in configuring the product part number. Incorporate the gas number as shown in the product data sheet.
3. Four digit gas numbers (9xxx) are unique at the time they were created and are specific to MKS MFCs & MFMs. When using one of these gases or mixtures, contact MKS Applications Engineering for assistance in determining the appropriate product part number for ordering.
4. For gases or gas mixtures not found in the list below, please consult MKS Applications Engineering for assistance. It is often possible to add the needed gas (gas mixture) to the supported list.

Numeric List				Alphabetic Listing			
Gas Number	Symbol	Gas Number	Mixture	Gas Number	Symbol	Gas Number	Mixture
001	He	509	10%GeH4/H2	008	Air	9031	1%AsH3/Ar
002	Ne	538	10%PH3/Ar	004	Ar	805	1%B2H6/Ar
004	Ar	537	1%PH3/Ar	035	AsH3	898	1%GeH4/H2
005	Kr	573	10%SiH4/He	058	B2H6	537	1%PH3/Ar
006	Xe	597	3%H2/N2	070	BCl3	701	10%B2H6/H2
007	H2	604	30%O2/He	048	BF3	9023	10%CO2/C2H6
008	Air	607	4%H2/N2	118	C2F6	9022	10%CO2/CH4
009	CO	657	3%B2H6/H2	042	C2H2	783	10%CO2/N2
010	HBr	694	15%H2/Ar	038	C2H4	509	10%GeH4/H2
011	HCl	701	10%B2H6/H2	054	C2H6	704	10%GeH4/He
012	HF	704	10%GeH4/He	085	C2H7N	538	10%PH3/Ar
013	N2	762	5%H2/He	128	C3F8	573	10%SiH4/He
014	D2	773	5%SiH4/N2	061	C3H6	694	15%H2/Ar
015	O2	780	5%SiH4/He	089	C3H8	9020	2%CO2/CH4
016	NO	783	10%CO2/N2	297	C4F6	9024	2%Ge2H6/H2
018	F2	805	1%B2H6/Ar	129	C4F8	9018	2%H2S/CH4
019	CL2	823	2%SiH4/Ar	111	C4H10	9019	2%H2S/H2
022	H2S	852	50%N2/He	063	CF4	903	2%H2S/N2
025	CO2	869	20% O3/O2	160	CH2F2	823	2%SiH4/Ar
026	NO2	878	3%C2H4/He	190	(CH3)3SiH	897	2.7%C2H4/He
027	N2O	897	2.7%C2H4/He	069	CH3CH=CH2	869	20% O3/O2
028	CH4	898	1%GeH4/H2	033	CH3F	657	3%B2H6/H2
029	NH3	903	2%H2S/N2	028	CH4	878	3%C2H4/He
031	PH3	946	30%C2H4/He	049	CHF3	597	3%H2/N2
032	SO2	9001	50%Ar/CO	019	CL2	9011	3%Si2H6/H2
033	CH3F	9011	3%Si2H6/H2	009	CO	946	30%C2H4/He
034	COS	9012	5%Ge2H6/H2	025	CO2	9013	30%H2S/CH4
035	AsH3	9013	30%H2S/CH4	034	COS	604	30%O2/He
038	C2H4	9014	60%H2S/CH4	014	D2	607	4%H2/N2
039	SiH4	9018	2%H2S/CH4	018	F2	9030	5%AsH3/He
042	C2H2	9019	2%H2S/H2	099	GeF4	9021	5%CO2/CH4
043	GeH4	9020	2%CO2/CH4	043	GeH4	9012	5%Ge2H6/H2
048	BF3	9021	5%CO2/CH4	007	H2	762	5%H2/He
049	CHF3	9022	10%CO2/CH4	022	H2S	9029	5%NH3/He
053	NF3	9023	10%CO2/C2H6	010	HBr	780	5%SiH4/He
054	C2H6	9024	2%Ge2H6/H2	011	HCl	773	5%SiH4/N2
058	B2H6	9029	5%NH3/He	001	He	9001	50%Ar/CO
061	C3H6	9030	5%AsH3/He	012	HF	852	50%N2/He
063	CF4	9031	1%AsH3/Ar	106	iC4H8	9014	60%H2S/CH4
067	SiH2Cl2			005	Kr		
069	CH3CH=CH2			9003	N(SiH3)3		
070	BCl3			013	N2		
085	C2H7N			027	N2O		
088	SiF4			002	Ne		
089	C3H8			053	NF3		
097	Si2H6			029	NH3		
099	GeF4			016	NO		
106	iC4H8			026	NO2		
108	SiCl4			141	NOCl		
110	SF6			015	O2		
111	C4H10			031	PH3		
118	C2F6			110	SF6		
121	WF6			097	Si2H6		
128	C3F8			108	SiCl4		
129	C4F8			088	SiF4		
141	NOCl			067	SiH2Cl2		
160	CH2F2			039	SiH4		
190	(CH3)3SiH			032	SO2		
297	C4F6			121	WF6		
9003	N(SiH3)3			006	Xe		