



CELERITY GROUP, INC. 1463 Centre Pointe Drive
Milpitas, CA 95035, USA

To: Field Application and Distribution
From: Norm Sellers, John Raditsas
Subject: Recommended Operating Pressures for all gases.
Date: 02.04.05

Purpose:

The attached table is a complete list of all gasses and their recommended operating pressures as it applies to Unit/Celerity MFC's. This should be used by our Customers and Application Engineers to determine proper inlet gas pressures. Operating outside of these parameters could cause flow problems and unstable results.

Authorization:

Technical Services Group

System Affected:

All MFC's except
SDS, High Temp, and High Flow

Date Effective:

Immediately

Reference Documents:

990-100-0069
MKT-900-0001 REV B

Tools:

N/A

Estimated Time Required:

N/A

Gas Code	Gas Symbol	Gas Name	Excluded from MultiFlo	Inlet Low PSIG	Inlet High PSIG	Inlet Low PSIA	Inlet High PSIA
0001	He	Helium		5	50	20	65
0002	Ne	Neon		1	25	16	40
0003	Rn	Radon	excluded	-5	5	10	20
0004	Ar	Argon		5	50	20	65
0005	Kr	Krypton		1	25	16	40
0006	Xe	Xenon		1	25	16	40
0007	H2	Hydrogen		5	50	20	65
0008	Air	Air		5	50	20	65
0009	CO	Carbon Monoxide		5	50	20	65
0010	HBr	Hydrogen Bromide		1	30	16	45
0011	HCl	Hydrogen Chloride		3	40	18	55
0012	HF	Hydrogen Fluoride	excluded	2	7	17	24
0013	N2	Nitrogen		5	50	20	65
0014	D2	Deuterium		5	40	20	55
0015	O2	Oxygen		5	50	20	65
0016	NO	Nitric Oxide		3	30	18	45
0017	HI	Hydrogen Iodide		1	30	16	45
0018	F2	Fluorine		3	30	18	45
0019	Cl2	Chlorine		5	40	20	55
0020	H2O	Water Vapor	excluded	-10	5	5	20
0021	Br2	Bromine	excluded	-5	5	10	20
0022	H2S	Hydrogen Sulfide		3	35	18	60
0023	H2Se	Hydrogen Selenide		3	35	18	60
0024	HCN	Hydrogen Cyanide	excluded	-5	5	10	20
0025	CO2	Carbon Dioxide		5	50	20	65
0026	NO2	Nitrogen Dioxide	excluded	-5	5	10	20
0027	N2O	Nitrous Oxide		5	50	20	65
0028	CH4	Methane		5	50	20	65
0029	NH3	Ammonia		3	40	18	65
0030	O3	Ozone	excluded	1	15	16	30
0031	PH3	Phosphine		-14	30	1	45
0032	SO2	Sulfur Dioxide		2	30	17	45
0033	CH3F	Methyl Fluoride		5	50	20	65
0034	COS	Carbonyl Sulfide		3	30	18	45
0035	AsH3	Arsine		-14	30	1	45
0036	CH3Cl	Methyl Chloride		5	30	20	45
0037	CICN	Cyanogen Chloride		-10	5	2	20
0038	C2H4	Ethylene		5	50	20	65
0039	SiH4	Silane		-10	30	5	45
0040	CS2	Carbon Disulfide	excluded	-5	5	10	20
0041	OF2	Oxygen Difluoride		-5	20	10	35
0042	C2H2	Acetylene		2	20	17	35
0043	GeH4	Germane		-14	30	1	45
0044	CH3Br	Methyl Bromide		1	20	16	35

0045	C2H4O	Ethylene Oxide		-5	20	10	35
Gas Code	Gas Symbol	Gas Name	Excluded from MultiFlo	Inlet Low PSIG	Inlet High PSIG	Inlet Low PSIA	Inlet High PSIA
0048	BF3	Boron Trifluoride		-14	5	1	20
0049	CHF3	Fluoroform (Freon-23)		5	30	20	45
0050	N2H4	Hydrazine	excluded	-5	10	10	25
0051	C2H3F	Vinyl Fluoride		5	30	20	45
0052	CH5N	Methylamine (Mono)		-5	15	10	30
0053	NF3	Nitrogen Trifluoride		3	35	18	50
0054	C2H6	Ethane		5	50	20	65
0055	C2H3Cl	Vinyl Chloride	excluded	1	20	16	35
0056	C2H3Br	Vinyl Bromide	excluded	-5	15	10	30
0057	CHClF2	Chlorodifluoromethane (Freon-22)		5	40	20	55
0058	B2H6	Diborane		-10	40	5	55
0059	C2N2	Cyanogen	excluded	-5	10	10	35
0060	COCl2	Phosgene	excluded	-10	10	2	25
0061	C3H6-a)	Cyclopropane		5	40	20	55
0062	PF3	Phosphorus Trifluoride		-5	10	10	25
0063	CF4	Carbon Tetrafluoride (Freon-14)		5	40	20	55
0064	C2H2F2	Difluoroethylene (Genetron-1132A)	excluded	-5	30	10	45
0065	CHCl2F	Dichlorofluoromethane (Freon-21)	excluded	-5	30	10	45
0066	C3H4-k)	Allene	excluded	5	30	25	45
0067	SiH2Cl2	Dichlorosilane		-5	10	10	25
0068	C3H4-l)	Methylacetylene	excluded	3	30	18	45
0069	C3H6-b)	Propylene		3	30	18	45
0070	BCl3	Boron Trichloride		-5	10	10	25
0071	CHCl3	Chloroform	excluded	-5	5	10	20
0072	ClO3F	Perchloryl Fluoride	excluded	-5	20	10	35
0073	C2H6O	Dimethyl Ether	excluded	5	30	20	45
0074	CClF3	Chlorotrifluoromethane (Freon-13)		5	40	20	55
0075	C2H5Cl	Ethyl Chloride	excluded	-10	10	5	25
0076	BrF3	Bromine TriFluoride	excluded	-5	5	10	20
0077	ClF3	Chlorine Trifluoride	excluded	-5	20	10	35
0078	N2O3	Nitrogen Trioxide	excluded	-5	5	10	20
0079	BBr3	Boron Tribromide	excluded	-5	5	10	20
0080	CBrF3	Bromotrifluoromethane (Freon-13B1)		5	40	20	55
0081	C3H6O	Methyl Vinyl Ether	excluded	-5	10	10	25
0082	C2H4F2	Difluoroethane (Freon-152A)	excluded	5	30	20	45
0083	CHBr3	Tribromomethane	excluded	-5	5	10	20
0084	CCl2F2	Dichlorodifluoromethane (Freon-12)		5	30	20	45
0085	C2H7N	Dimethylamine		-5	20	10	35
0086	SF4	Sulfur Tetrafluoride	excluded	5	30	20	45
0087	SO2F2	Sulfuryl Fluoride	excluded	5	30	20	45
0088	SiF4	Silicon Tetrafluoride		-14	10	1	25
0089	C3H8	Propane		3	35	18	50
0090	Freon-500	Freon-500	excluded	5	30	20	45
0091	CCl3F	Trichlorofluoromethane (Freon-11)	excluded	-10	10	5	25
0092	Freon-402	Freon-502	excluded	5	30	20	45

Gas Code	Gas Symbol	Gas Name	Excluded from MultiFlo	Inlet Low PSIG	Inlet High PSIG	Inlet Low PSIA	Inlet High PSIA
0094	C2F4	Tetrafluoroethylene		3	30	18	45
0095	N2O4	NITROGEN TETROXIDE		-5	10	10	25
0096	AsF5	Arsenic Pentafluoride	excluded	-10	10	5	25
0097	Si2H6	Disilane		-5	20	10	35
0098	C4H8-j)	Transbutene		1	20	16	35
0099	GeF4	Germanium Tetrafluoride		-10	20	5	35
0100	C4H6-e)	Butadiene		1	20	16	35
0101	CCl4	Carbon Tetrachloride	excluded	-5	5	10	20
0102	POCl3	Phosphorus Oxychloride	excluded	-5	5	10	20
0103	C2H3ClF2	Difluorochloroethane (Freon-142B)	excluded	1	20	16	35
0104	C4H8-i)	Butene		1	20	16	35
0105	C2B4F3	Bromotrifluoroethylene	excluded	1	20	16	35
0106	C4H8-h)	Isobutylene		1	15	16	30
0107	C4H8-g)	Cisbutene		1	20	16	35
0108	SiCl4	Silicon Tetrachloride		-10	5	5	20
0109	C3H9N	Trimethylamine		1	20	16	35
0110	SF6	Sulfur Hexafluoride		5	30	20	45
0111	C4H10-d)	Isobutane		3	30	18	45
0113	GeCl4	Germanium Tetrachloride	excluded	-10	5	5	20
0114	TiCl4	Titanium Tetrachloride	excluded	-10	5	5	20
0115	IF5	Iodine Pentafluoride	excluded	-5	5	10	20
0116	BrF5	Bromine Pentafluoride	excluded	-10	1	5	16
0117	C4H10-c)	Butane		1	20	16	35
0118	C2F6	Hexafluoroethane (Freon-116)		-5	30	10	45
0119	C2ClF5	Chloropentafluoroethane (Freon-115)		5	30	20	45
0120	C5H10	Methylbutene	excluded	1	15	16	30
0121	WF6	Tungsten Hexafluoride	excluded	-10	5	5	20
0122	C5H12	Dimethylpropane		1	20	16	35
0123	UF6	Uranium Hexafluoride	excluded	-5	5	10	20
0124	MoF6	Molybdenum hexafluoride		-10	1	5	16
0125	C2Cl2F4	Dichlorotetrafluoroethane (Freon-114)	excluded	-5	20	10	35
0128	C3F8	Perfluoropropane		-5	20	10	35
0129	C4F8	Octafluorocyclobutane		-5	20	10	35
0130	C2Br2F4	Dibromotetrafluoroethane (Freon-114B2)	excluded	-10	-5	5	10
0131	(CH3O)3B; C3H9BO3	Trimethoxyborine (TMB)	excluded	-10	5	5	20
0132	(CH3)3P; C3H9P	Trimethylphosphorus (TMP)	excluded	-5	10	10	25
0133	(CH3O)3P; C3H9PO3	Trimethylphosphite (TMPi)	excluded	-10	5	5	20
0134	SiH2F2	Difluorosilane	excluded	-5	10	10	25
0135	C2H6Zn	Dimethylzinc	excluded	-10	5	5	20
0136	C2H5OH; C2H6O	Ethanol	excluded	-10	5	5	20
0138	C3F6	Hexafluoropropylene		-5	20	10	35
0139	(CH3)6Si2; C6H18Si2	Hexamethyldisilane (HMDSi)	excluded	-14	-5	1	10
0140	NiC4O4	Nickel Carbonyl	excluded	-14	5	1	20

Gas Code	Gas Symbol	Gas Name	Excluded from MultiFlo	Inlet Low PSIG	Inlet High PSIG	Inlet Low PSIA	Inlet High PSIA
0142	B5H9	Pentaborane	excluded	-5	5	10	20
0143	PF5	Phosphorus Pentafluoride	excluded	-5	20	10	35
0144	Si(C2H5O)4; C8H20O4Si	Tetraethoxysilane (TEOS)	excluded	-14	-10	1	5
0145	SnCl4	Tin Tetrachloride	excluded	-10	5	5	20
0146	C12H27Al-p); (C4H9)3Al-p)	Tributylaluminum (TBAI)	excluded	-14.7	-10	0	5
0147	SiHCl3	Trichlorosilane	excluded	-10	10	5	25
0148	(C2H5)3Ga; C6H15Ga	Triethylgallium (TEGa)	excluded	-10	5	5	20
0149	(CH3)3Al; C3H9Al	Trimethylaluminum (TMAI)	excluded	-10	-5	5	10
0150	(CH3)3Sb; C3H9Sb	Trimethylantimony	excluded	-10	-5	5	10
0151	(CH3)3As; C3H9As	Trimethylarsenic (TMAs)	excluded	-14	-5	1	10
0152	(CH3)3Ga; C3H9Ga	Trimethylgallium (TMGa)	excluded	-10	-5	5	10
0153	(CH3)3In; C3H9In	Trimethylindium (TMIn)	excluded	-10	-5	5	10
0154	SiH2(C2H5)2	Diethylsilane	excluded	-10	-5	5	10
0155	C2HF5	Pentafluoroethane (Freon-125)		7	50	22	65
0156	C2H2F4	Tetrafluoroethane (Freon-134A)		7	50	22	65
0158	C4H16Si4O4	Tetramethylcyclotetrasiloxane (TMCTS)	excluded	-14	-10	1	5
0159	T2	Tritium	excluded	1	5	15	20
0160	CH2F2	Difluoromethane		5	40	20	55
0164	C2H7Al	Dimethylaluminumhydride (DMAH)	excluded	-10	-5	5	10
0175	CHN	Hydrocyanic acid	excluded	-10	5	5	20
0176	CH4O	Methanol	excluded	-5	2	10	17
0179	C8H10-n)	Xylene-o	excluded	-5	5	10	20
0181	C7H8	Toluene	excluded	-5	1	10	16
0183	CH3Cl3Si	Methyltrichlorosilane (MTS)	excluded	-10	3	5	18
0184	C3H6O-m)	Acetone	excluded	-5	5	10	20
0185	CH6Si	Methylsilane (MONO)		-5	5	10	20
0186	C2HCl2F3	Dichlorotrifluoroethane	excluded	-10	-5	5	10
0187	C3H8O	Isopropylalcohol	excluded	-5	2	10	18
0188	C6H16O2Si	Diethoxy Dimethyl Silane	excluded	-14	-5	1	10
0189	S2Cl2	Sulfur Monochloride	excluded	-5	5	10	20
0190	(CH3)3SiH	Trimethylsilane (TMSi)		-10	-5	5	10
0191	C2H2Cl2-r)	Dichloroethylene-trans	excluded	-10	-5	5	10
0192	C6F6	Hexafluorobenzene		-5	1	10	15
0193	PCl3	Phosphorus trichloride		-5	1	10	15
0241	C4F10	Perfluorobutane		1	20	15	35
0246	SO3	Sulfur Trioxide	excluded	-10	1	5	16
0251	C4H12S	Tetramethylsilane	excluded	-10	1	5	16
0266	C5F8	Octafluorocyclopentene		-5	5	10	20
0267	C3H2F6	Hexafluoropropane		1	30	15	45
0268	CH2Br2	Methylene bromide	excluded	1	15	15	30
0270	C4F6	Hexafluoro-2-butyne		-5	5	10	20
0273	W(CO)6	Tungsten Hexacarbonyl	excluded	-14	-14	0	0
0274	(C2H5O)3AsO	Triethylarsenate (TEAsat)	excluded	-10	-5	5	10

Gas Code	Gas Symbol	Gas Name	Excluded from MultiFlo	Inlet Low PSIG	Inlet High PSIG	Inlet Low PSIA	Inlet High PSIA
0351	C4F8O	Perfluoro Oxacyclopentane		-5	15	10	30
0354	C5F8O	Epoxyperfluorocyclopentene		-5	10	10	25
0500	15%PH3/N2	15%Phosphine/Nitrogen		5	50	20	65
0501	5%PH3/N2	5% Phosphine/Nitrogen		5	50	20	65
0509	10%GeH4/H2	10%Germane/Hydrogen		5	50	20	65
0513	20%O2/CF4	20%Oxygen/Carbon Tetrafluoride(Freon-14)	excluded	5	40	20	55
0514	1%PH3/N2	1% Phosphine/Nitrogen		5	50	20	65
0517	25%PH3/SiH4	25% Phosphine/Silane		-10	30	5	45
0519	15%SiH4/N2	15%Silane/Nitrogen	excluded	5	50	20	65
0527	10%PH3/N2	10% Phosphine/Nitrogen		5	50	20	65
0529	20%SiH4/He	20%Silane/Helium		-10	15	5	30
0530	20%PH3/SiH4	20% Phosphine/Silane	excluded	-10	30	5	45
0532	10%H2/N2	10%Hydrogen/Nitrogen		5	50	20	65
0535	4%PH3/N2	4% Phosphine/Nitrogen		5	50	20	65
0536	20%O2/He	20%Oxygen/Helium		5	50	20	65
0538	10%PH3/Ar	10% Phosphine/Argon		5	50	20	65
0542	5%H2/N2	5%Hydrogen/Nitrogen		5	50	20	65
0544	2%SiH4/H2	2%Silane/Hydrogen		5	50	20	65
0546	1%PH3/He	1% Phosphine/Helium		5	50	20	65
0549	0.5%B2H6/Ar	0.5%Diborane/Argon		5	50	20	65
0550	0.5%PH3/N2	0.5% Phosphine/Nitrogen		5	50	20	65
0552	0.8%PH3/N2	0.8% Phosphine/Nitrogen	excluded	5	50	20	65
0553	0.8%PH3/SiH4	0.8% Phosphine/Silane	excluded	-10	30	5	45
0555	1%AsH3/N2	1%Arsine/Nitrogen	excluded	5	50	20	65
0557	1%B2H6/H2	1%Diborane/Hydrogen		5	50	20	65
0559	1%BCl3/H2	1%Boron Trichloride/Hydrogen		5	50	20	65
0560	1%BCl3/N2	1%Boron Trichloride/Nitrogen		5	50	20	65
0563	1%PH3/H2	1% Phosphine/Hydrogen		5	50	20	65
0565	10%SiH4/Ar	10%Silane/Argon		5	50	20	65
0566	10%F2/He	10%Fluorine/Helium	excluded	5	50	20	65
0579	15%AsH3/H2	15%Arsine/Hydrogen	excluded	5	50	20	65
0583	15%PH3/H2	15% Phosphine/Hydrogen	excluded	5	50	20	65
0584	15%PH3/SiH4	15% Phosphine/Silane		-10	30	5	45
0585	17%O2/CF4	17%Oxygen/Carbon Tetrafluoride(Freon-14)	excluded	5	40	20	55
0589	2%SiH4/He	2%Silane/Helium	excluded	5	50	20	65
0595	3%B2H6/N2	3%Diborane/Nitrogen		5	50	20	65
0597	3%H2/N2	3%Hydrogen/Nitrogen		5	50	20	65
0598	3%O2/He	3%Oxygen/Helium	excluded	5	50	20	65
0600	3%PH3/N2	3% Phosphine/Nitrogen	excluded	5	50	20	65
0602	3%SiH4/He	3%Silane/Helium	excluded	5	50	20	65
0603	30%He/O2	30%Helium/Oxygen		5	50	20	65
0604	30%O2/He	30%Oxygen/Helium		5	50	20	65
0605	4%B2H6/N2	4%Diborane/Nitrogen		5	50	20	65
0606	4%H2/He	4%Hydrogen/Helium		5	50	20	65

Gas Code	Gas Symbol	Gas Name	Excluded from MultiFlo	Inlet Low PSIG	Inlet High PSIG	Inlet Low PSIA	Inlet High PSIA
0609	4%O2/CF4	4%Oxygen/Carbon Tetrafluoride(Freon-14)	excluded	5	40	20	55
0614	5%AsH3/H2	5%Arsine/Hydrogen	excluded	5	50	20	65
0615	5%B2H6/Ar	5%Diborane/Argon	excluded	5	50	20	65
0619	5%H2/Ar	5%Hydrogen/Argon	excluded	5	50	20	65
0620	8%PH3/N2	8% Phosphine/Nitrogen	excluded	5	50	20	65
0621	5%N2/H2	5%Nitrogen/Hydrogen	excluded	5	50	20	65
0623	5%O2/Ar	5%Oxygen/Argon	excluded	5	50	20	65
0626	5%PH3/Ar	5%Phosphine/Argon	excluded	5	50	20	65
0628	5%SiH2Cl2/Ar	5%Dichlorosilane/Argon		5	50	20	65
0629	5%SiH4/Ar	5%Silane/Argon	excluded	5	50	20	65
0630	50%He/O2	50%Helium/Oxygen	excluded	5	50	20	65
0632	50%PH3/SiH4	50% Phosphine/Silane		-10	30	5	45
0636	8%PH3/SiH4	8% Phosphine/Silane		-10	30	5	45
0640	2%PH3/N2	2% Phosphine/Nitrogen	excluded	5	50	20	65
0644	1%H2S/H2	1%Hydrogen Sulfide/Hydrogen	excluded	5	50	20	65
0649	10%O2/He	10%Oxygen/Helium		5	50	20	65
0653	2%SiH4/N2	2%Silane/Nitrogen	excluded	5	50	20	65
0654	5%B2H6/N2	5%Diborane/Nitrogen		5	50	20	65
0656	0.5%PH3/H2	0.5% Phosphine/Hydrogen		5	50	20	65
0658	1%GeH4/N2	1%Germane/Nitrogen	excluded	5	50	20	65
0660	0.3%PH3/SiH4	0.3% Phosphine/Silane		-10	30	5	45
0664	8%GeH4/H2	8% Germane/Hydrogen	excluded	5	50	20	65
0669	5%F2/NF3	5%Fluorine/Nitrogen Trifluoride	excluded	5	50	20	65
0673	0.7%ASH3/H2	0.7%Arsine/Hydrogen	excluded	5	50	20	65
0674	10%PH3/He	10% Phosphine/Helium	excluded	5	50	20	65
0677	20%F2/He	20%Fluorine/Helium		-10	25	5	40
0687	20%He/O2	20%Helium/Oxygen	excluded	5	50	20	65
0690	0.05%B2H6/H2	0.05%Diborane/Hydrogen	excluded	5	50	20	65
0692	8%H2/Ar	8%Hydrogen/Argon	excluded	5	50	20	65
0693	5%PH3/He	5% Phosphine/Helium	excluded	5	50	20	65
0694	15%H2/Ar	15%Hydrogen/Argon	excluded	5	50	20	65
0695	2%B2H6/N2	2%Diborane/Nitrogen		5	50	20	65
0696	2%PH3/SiH4	2% Phosphine/Silane	excluded	-10	30	5	45
0697	15%B2H6/Ar	15%Diborane/Argon	excluded	5	50	20	65
0698	10%GeH4/Ar	10% Germane/Argon		5	50	20	65
0699	5%CH4/He	5%Methane/Helium	excluded	5	50	20	65
0700	4%H2/Ar	4%Hydrogen/Argon	excluded	5	50	20	65
0701	10%B2H6/H2	10%Diborane/Hydrogen	excluded	5	50	20	65
0702	40%SiH4/He	40%Silane/Helium	excluded	5	30	20	45
0703	2%AsH3/H2	2%Arsine/Hydrogen	excluded	5	50	20	65
0704	10%GeH4/He	10%Germane/Helium	excluded	5	50	20	65
0705	9.4%Ar/NF3	9.4%Argon/Nitrogen Trifluoride	excluded	5	50	20	65
0706	8.6%Ar/NF3	8.6%Argon/Nitrogen Trifluoride	excluded	5	50	20	65
0707	0.8%PH3/H2	0.8%Phosphine/Hydrogen	excluded	5	50	20	65
0708	0.06%AsH3/H2	0.06%Arsine/Hydrogen	excluded	5	50	20	65

Gas Code	Gas Symbol	Gas Name	Excluded from MultiFlo	Inlet Low PSIG	Inlet High PSIG	Inlet Low PSIA	Inlet High PSIA
0710	10%CH4/Ar	10%Methane/Argon	excluded	5	50	20	65
0724	1%AsH3/H2	1%Arsine/Hydrogen		5	50	20	65
0731	10%Si2H6/H2	10%Disilane/Hydrogen		5	50	20	65
0762	5%H2/He	5%Hydrogen/Helium		5	50	20	65
0775	1.5%GeH4/H2	1.5%Germane/Hydrogen		5	50	20	65
0784	0.02%CO/N2	0.02%Carbon Monoxide/Nitrogen		5	50	20	65
0786	0.1%CO/N2	0.1%Carbon Monoxide/Nitrogen		5	50	20	65
0823	2%SiH4/Ar	2%Silane/Argon		5	50	20	65
0837	30%GeH4/Ar	30% Germane/Argon		5	30	20	45
0850	50%H2/N2	50%Hydrogen/Nitrogen		5	50	20	65
0865	5%CO2/5%O2/N2	5%Carbon Dioxide/5%Oxygen/Nitrogen		5	50	20	65
0866	2.5%O2/5%CO2/N2	2.5%Oxygen/5%Carbon Dioxide/Nitrogen		5	50	20	65
0867	5%CO2/10%O2/N2	5%Carbon Dioxide/10%Oxygen/Nitrogen		5	50	20	65
0874	30%(CH3)3SiH/H2	30%Trimethylsilane/Hydrogen	excluded	-10	20	5	35
0877	30%SiHCl3/H2	30%Trichlorosilane/Hydrogen	excluded	-10	15	5	30
0878	3%C2H4/He	3%Ethylene/Helium		5	50	20	65
0881	10%B2H6/Ar	10%Diborane/Argon		5	50	20	65
0886	0.01%PH3/Ar	0.01%Phosphine/Argon		5	50	20	65
0887	0.1%PH3/Ar	0.1%Phosphine/Argon		5	50	20	65
0888	0.1%B2H6/Ar	0.1%Diborane/Argon		5	50	20	65
0895	40%GeH4/N2	40%Germane/Nitrogen		-10	15	5	30
0896	30%PH3/SiH4	30%Phosphine/Silane		-10	30	5	45
0897	2.7%C2H4/He	2.7%Ethylene/Helium		5	50	20	65
0898	1%GeH4/H2	1%Germane/Hydrogen	excluded	5	50	20	65
0899	1%CH6Si/H2	1%Methylsilane (MONO)/Hydrogen	excluded	5	50	20	65
0900	0.48%NF3/N2	0.48%Nitrogen Trifluoride/Nitrogen		5	50	20	65
0908	20%B2H6/He	20%Diborane/Helium		-10	25	5	40
0919	20%H2/20%CO/N2	20%Hydrogen/20%Carbon monoxide/Nitrogen		5	50	20	65
0920	20%H2/20%CO/Ar	20%Hydrogen/20%Carbon monoxide/Argon		5	50	20	65
0921	4%O2/N2	4%Oxygen/Nitrogen		5	50	20	65
0922	10%CF4/Ar	10%Carbon Tetrafluoride/Argon		5	50	20	65
0923	10%NF3/Ar	10%Nitrogen Trifluoride/Argon		5	50	20	65
0926	3%H2S/H2	3%Hydrogen Sulfide/Hydrogen		5	50	20	65
0927	6%B2H6/N2	6%Diborane/Nitrogen		5	50	20	65
0930	1%O2/Ar	1%Oxygen/Argon		5	50	20	65
0935	2%GeH4/H2	2%Germane/Hydrogen	excluded	5	50	20	65
0936	10%He/N2	10%Helium/Nitrogen		5	50	20	65
0938	3.9%H2/N2	3.9%Hydrogen/Nitrogen		5	50	20	65