

## Gas Process Number

Symbol	Gas Name SEMI E52-0298	Number	Density [ g/l ]	Sp.Heat[cal/g/°C]	C
	Air	8	1.2929	0.2401	1.000
NH3	Ammonia	29	0.7710	0.519	0.68
Ar	Argon	4	1.7842	0.1246	1.453
AsH3	Arsine	35	3.481	0.1178	0.666
BCl3	Boron Trichloride	70	5.26	0.130	0.40
CO	Carbon Monoxide	9	1.2500	0.495	1.000
CCl4	Carbon Tetrafluoride	101	6.86	0.141	0.309
Cl2	Chlorine	19	3.209	0.116	0.83
B2H6	Dibirane	58	1.24	0.495	0.44
SiH2Cl2	Dichlorosilane	67	4.54	0.141	0.43
CHF3	Fluoroform	49	3.125	0.173	0.506
CCl2F2	Freon-12	84	5.5	0.149	0.34
CF4	Freon-14	63	3.96	0.167	0.41
GeH4	Germane	43	3.423	0.138	0.58
He	Helium	1	0.1788	1.242	1.454
H2	Hydrogen	7	0.0899	3.400	1.016
HCl	Hydrogen Chloride	11	1.635	0.1937	0.981
C2F6	Hexafluoroethane	118	6.16	0.185	0.24
Kr	Krypton	5	3.73	0.0596	1.45
CH4	Methane	28	0.7166	0.528	0.722
CH3SiCl3	Methyltrichlorosilane	183	6.670	0.164	0.250
N2	Nitrogen	13	1.2503	0.2484	1.000
NO2	Nitrogen Dioxide	26	6.675	0.194	0.41
NF3	Nitrogen Trifluoride	53	3.173	0.178	0.434
N2O	Nitrous Oxide	27	1.98	0.206	0.206
O2	Oxygen	15	1.429	0.2183	0.996
O3	Ozone	30			
PH3	Phosphine	31	1.523	0.2607	0.688
C3H8	Propane	89	1.98	0.392	0.35
SiH4	Silane	39	1.438	0.3188	0.596
SiF4	Silicon Tetrafluoride	88	4.68	0.168	0.35
Si2H6	Disilane	97			
SO2	Sulphur Dioxide	32	2.91	0.149	0.67
SF6	Sulphur Hexafluoride	110	6.5	0.1590	0.27
TiCl4	Titanium Tetrachloride	114	8.465	0.22	0.30
C4F8	Octafluorocyclohexane	129			
SiHCl3	Trichlorosilane	147	6.047	0.130	0.348



# Mass Flow Controller & Meter Part Number Description

**IMPORTANT :** Please refer to the product datasheet for available specification and option

[ t, t, t ] [ v ] [ s ] [ f, f ] [ r, r, r, r ] [ g, g, g ] [ m ] - [ o, o ]

**[ t ]- Type**

- [ 100 ] for AFM 10
- [ 260 ] for AFC 260 or AFM 360
- [ 261 ] for AFC 261 or AFM 361
- [ 202 ] for AFC 202 or AFM 302
- [ 500 ] for AFC 50 or AFM 55
- [ 800 ] for AFC 80 or AFM 85
- [ 810 ] for INFLUX
- [ 900 ] for AFC 90 or AFM 95
- [ 300 ] for HELOTIS
- [ 310 ] for AFC310

**[ v ]- Valve Configuration**

- [ N ] for No valve (only for AFM)
- [ O ] for Advanced Flow Controller Normally Open
- [ C ] for Advanced Flow Controller Normally Close

**[ s ]- Seals**

- [ V ] for Viton
- [ N ] for Neoprene
- [ K ] for Kalrez
- [ M ] for Metal

**[ f, f ] Inlet and Outlet Fittings**

- [ SB ] for B-SEAL
  - [ SW ] for W-SEAL
  - [ SC ] for C-SEAL
  - [ BW ] for Butt Weld
- Or specify first Inlet, then Outlet.
- [ F ] for 1/4" VCR Female
  - [ M ] for 1/4" VCR Male
  - [ L ] for 1/4" VCR High Flow Male
  - [ N ] for 1/4" VCR High Flow Female
  - [ D ] for 3/8" VCR Female
  - [ E ] for 3/8" VCR Male
  - [ B ] for Swagelok 1/8"
  - [ C ] for Swagelok 1/4"
  - [ G ] for Swagelok 6mm
  - [ H ] for Swagelok 3/8"
  - [ K ] for 1/8" BSP (AFM 10 only)

**[ r, r, r, r ]- Flow rate**

Specify C for sccm, L for slm.  
Example :  
- 200C for 200 sccm  
- 030L for 30 slm

**[ g, g, g ]- Gas Process**

See chart on the left page

**[ m ]- Mounting Position**

- [ H ] for Horizontal

	AFC260 AFM360	AFC261 AFM361	AFC202 AFM302	AFC50 AFM55	AFC80/90 AFM85/95	Helotis/AFC310	INFLUX	AFM10
[ D ] for Digital Card			X	X	Standard	Standard	Standard	
If Digital [ N ] for DeviceNet			X	X	X	X		
[ R ] for RS485 / MODBUS			X	X	X	X		
[ x ] for nb of calibr. curves			AFC	AFC	AFC	AFC		
[ E ] for External Readout	AFC	AFC	AFC	AFC	AFC	AFC		
[ L ] for Low Delta Pressure				X	X	X		
[ S ] for Separated Electronics	*	*	*	X	*	*		
[ H ] for High Temperature (>35°C)	X	X	X	X	X	X	X	
[ 61 ] for AFC size compatible AFC 261				X	X			
[ P ] for Special Pitch	X	X	X	X	X	X		
[ C ] for Signal 4 to 20 mA								X
[ M ] for Power Supply +24 VDC								X

" \* on request "

