

World Wide Cylinder Connections

Based on Gas

CYLINDER CONNECTION CHART

Gas		UHP DISS	CGA	BS	DIN	AFNOR	JIS
Air	Air		590	3	6		
Ammonia	NH3	720	660/705/240	10	6	C	22-R
Argon	Ar	718	580	3	6	C	22/23-R
Arsenic Pentafluoride	As2F5	642			8		
Arsine	AsH3	632	350	4	1	E	22-L
Boron Trichloride	BCl3	634	660	14	8	J	22-L
Boron Trifluoride	BF3	642	330	14	8	J	22-L
Bromochlorodifluoromethane	BrCClF2		660	6	6	C	
Bromotrifluoromethane	BrCF3		660	6	6	C	
Butane	C4H10		510	9	1	E	23-L
Carbon Dioxide	CO2	716	320	8	6	C	
Carbon Monoxide	CO	724	350	4	6	E	22-L
Carbonyl Sulfide	COS		330			E	
Chlorine	Cl	728	660	6,14	8	J	26-R
Chlorine Trifluoride	ClF3		670	6		P	26-L
Chlorodifluoromethane	CHClF2		660	6	6	C	
Chlorotrifluoromethane	CClF3		660		6	C	
Diborane	B2H6	632	350	4			22-L
Dichlorodifluoromethane	CCl2F2	716	660	6	6	C	
Dichlorofluoromethane	CCl2FH		660	6	6	C	
Dichlorosilane	H2SiCl2	636	678	16	6		
Dichlorotetrafluoroethane	C2Cl2F4		660	6	6	C	
Diethylzinc	(C2H5)2Zn	726	510				
1,1-Difluoroethylene	C2F2H2		350		1	E	22-L
Dimethylzinc	(CH3)2Zn	726					
Dimethylamine	C2H7N		705	11	1	E	22/26-L
Dimethylether	C2H6O		510		1	E	26-L
Disilane	Si2H8	632				E	
Ethane	C2H6		350		1	E	22-L
Ethyl Chloride	C2ClH5		300	7,17	1	E	26-L
Ethylene	C2H4		350	2	1	E	22-L
Fluorine	F2		679/670		8	F	22-R
Germane	GeH4	632	350			E	
Halocarbon-14	CF4		580	6	6	C	
Helium	He	718	580	3	6	C	22/23-R
Hydrogen	H2	724	350	4	1	E	22-L
Hydrogen Bromide	HBr	634	330		8	K	26-R
Hydrogen Chloride	HCl	634	330		8	K	26-R
Hydrogen Fluoride	MF	638	670/660	6		K	26-R
Hydrogen Iodide	HI		330			K	
Hydrogen Selenide	H2Se	632	350	4	6	E	
Hydrogen Sulfide	H2S	722	330	16	6	E	
Isobutane	C4H10		510	2	1,2,4	E	
Isobutylene	C4H8		510	2	1	E	23-L
Krypton	Kr	718	580	3	6	C	22/23-R
Neon	Ne	718	580	3	6	C	22/23-R

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Gas		UHP DISS	CGA	BS	DIN	AFNOR	JIS
Nitrogen	N2	718	580, 677, 680	3	10	C	22/23-R
Nitrous Oxide	N2O	712	326	13	11	G	
Oxygen	O2	714	540	3	9	F	22/23-R
Perfluoropropane	C3F8	716	660				
Phosgene	CCl2O		660	6,14	8	K	26-R
Phosphine	PH3	632	350	4	1	E	
Phosphorus Pentafluoride	PF5	642	330				
Silane	SiH4	632	350	3	1	E	
Silicon Tetrachloride	SiCl4	636		Compression Fittings			
Silicon Tetrafluoride	SiF4	642					
Sulfur Dioxide	SO2		660	7	10,16	K	26-R
Sulfur Hexafluoride	SF6	716	590	6	6	C	
Trichlorosilane	HSiCl3	636					
1,1,1-Trichlorotrifluoroethane	C2Cl3F3	716	660				
Trichlorofluoromethane	CCl3F		660				
Trifluoromethane	CF3H		660				
Trimethylamine	C3H9N		705	11	1	E	26-L
Tungsten Hexafluoride	WF6	638	670		8	J	
Vinyl Bromide	C2H3Br		510		1	E	26-L
Vinyl Chloride	C2ClH3		510	7	1	E	26-L
Vinyl Fluoride	C2FH3		350		1	E	22-L
Xenon	Xe	718	580	3	6	C	22/26-L

(1) This list is for your reference only. The cylinder connections are for pure gases only, mixtures will change the cylinder connection. Check with the gas supplier for the proper cylinder connection for gas mixtures.

Source of Information:
CGA V 1 2005
BS 341 Part 1 1991
DIN 477 Teil 1
AFNOR NF E 29 -650
JIS (Jap.) B 8246 2004