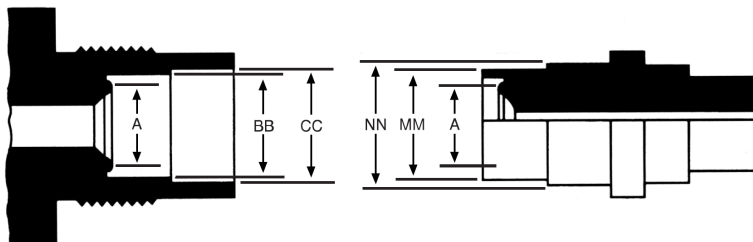


Introduction Cylinder Information

Standard 630 & 710 Series**

Diameter-Index Dimensions for Electronic Gases – DISS



GAS NAME	CONN.#	DIAMETERS IN mm				
		*A	*BB	*CC	*MM	*NN
Arsine, Diborane, Disilane, Germane, Hydrogen, Selenide, Phosphine, Silane, Trimethyl Silane	632	.418-.422	.649-.653	.796-.800	.646-.642	.793-.789
Hydrogen Chloride, Boron Trichloride, Hydrogen Bromide	634	.418-.422	.663-.667	.782-.786	.660-.656	.779-.775
Dichlorosilane, Trichlorosilane, Silicon Tetrachloride	636	.418-.422	.667-.681	.768-.772	.674-.670	.765-.761
Tungsten Hexafluoride, Hydrogen Fluoride	638	.418-.422	.691-.695	.754-.758	.688-.684	.751-.747
Nitrogen Trifluoride	640	.418-.422	.705-.709	.740-.744	.702-.698	.737-.733
Boron Trifluoride, Silicon Tetrafluoride, Phosphorus Pentafluoride, Arsenic Pentafluoride, Germanium Tetrafluoride	642	.418-.422	.719-.723	.726-.730	.716-.712	.723-.719
Nitrous Oxide	712	.418-.422	.649-.653	.883-.887	.646-.642	.880-.876
Oxygen	714	.418-.422	.663-.667	.869-.873	.660-.656	.866-.862
Carbon Dioxide, Sulfur Hexafluoride, Halocarbons 11, 12, 13, 14, 23, 115, 116, Perfluoropropane, Pentafluoroethane, Octafluorocyclobutane and perfluoro-2-Butene	716	.418-.422	.677-.681	.855-.859	.674-.670	.852-.848
Nitrogen, Neon, Helium, Argon, Xenon, Krypton	718	.418-.422	.691-.695	.841-.845	.688-.684	.838-.834
Ammonia	720	.418-.422	.705-.709	.827-.831	.702-.698	.824-.820
Hydrogen Sulfide	722	.418-.422	.719-.723	.813-.817	.716-.712	.816-.806
Hydrogen, Carbon Monoxide, Deuterium, Ethane, Ethylene, Methane, Methyl Fluoride, H32	724	.418-.422	.733-.737	.799-.803	.730-.726	.796-.792
Diethylzinc, Dimethylzinc, Triethylaluminum, Diethyltelluride	726	.418-.422	.747-.751	.785-.789	.744-.740	.782-.778
Chlorine, Fluorine, Nitric Oxide, Chlorine Trifluoride	728	.418-.422	.761-.765	.761-.765	.758-.754	.758-.754

*Body diameters A, BB, and CC as well as nipple diameters A, MM, and NN should be concentric within .002 Full Indicator Movement (FIM). These are critical dimensions for safety that must be adhered to on final product whether plated or not.

**For a more detailed technical description of the DISS Series of Connections, see CGA V-1-2003, "Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections"