

CGA Connections for Gas Tanks

The below list is a compilation of CGA fittings for gas tanks in common use by both Matheson and Scott Speciality Gases. These are the standard fittings used by most gas suppliers. However, be sure to check with your gas supplier for the correct fittings for your tanks.

Gas	CGA Fitting	
	Scott	Matheson
Acetylene	510	510
Air	590	590
Air, Breathing		346
Allene	510	510
Ammonia, Anhydrous	240, 260	705
Ammonia, Electronic		660, 720
Argon	580	580, 718
Argon-3500 psi		680
Argon-6000 psi		677
Arsine	350	350, 632
Boron Trichloride		660, 634
Boron Trifluoride		330, 642
Bromotrifluoromethane		660
1,3-Butadiene	510	510
Butane	510	510
Butenes	510	510
Carbon Dioxide	320	320, 716
Carbon Monoxide	350	350, 724
Carbonyl Fluoride	660	660
Carbonyl Sulfide	330	330

Chlorine	660	660
Chlorodifluoromethane	660	660
Chloro-1,1-difluoroethane		510
Chloropentafluoroethane		660
Chlorotrifluoroethylene		510
Chlorotrifluoromethane	660	660, 716
Cyanogen	660	660
Cyanogen Chloride		660
Cyclopropane	510	510
Deuterium	350	350
Dichlorodifluoromethane	660	660, 716
Dichlorosilane		678, 636
Dichlorotetrafluoroethane		660
Dimethylamine	240	705
Dimethyl Ether	510	510
2-2 Dimethylpropane		510
Ethane	350	350
Ethyl Acetylene	510	
Ethyl Chloride	510	300
Ethylene	350	350
Ethylene Oxide	510	510
Fluorine	679	679
Fluoroform		680, 716
Germane	350	350, 632
Helium	580	580, 718
Hexafluoroethane		660
Hexafluoropropylene		660
Hydrogen	350	350, 724
Hydrogen-3500 psi		695

Hydrogen Bromide	330	330, 634
Hydrogen Chloride	330	330, 634
Hydrogen Fluoride	660	660, 638
Hydrogen Iodide		330
Hydrogen Selenide	350, 660	350
Hydrogen Sulfide	330	330, 722
Iso-Butane	510	510
Iso-Butylene	510	510
Krypton	580	580, 718
Methane	350	350
Methyl Bromide		330
3-Methyl Butene-1		510
Methyl Chloride	660	660
Methyl Fluoride		350
Methyl Mercaptan	330	330
Monoethylamine	240	
Monomethylamine	240	705
Natural Gas	350	
Neon	580	580, 718
Nitric Oxide	660	660, 712
Nitrogen	580	580, 718
Nitrogen-3500 psi		680
Nitrogen-6000 psi		677
Nitrogen Dioxide	660	660
Nitrogen Trioxide	660	660
Nitrosyl Chloride	660	
Nitrous Oxide	326	326
Octofluorocyclobutane		660
Oxygen	540	540, 714

Perfluoropropane		660, 716
Phosgene	660	660
Phosphine	350	350, 632
Phosphorous Pentafluoride	330	660
Propane	510	510
Propylene	510	510
Silane	350	350, 632
Silicon Tetrafluoride	330	330, 642
Sulfur Dioxide	660	660
Sulfur Hexafluoride	590	590, 716
Sulfur Tetrafluoride	330	330
Tetrafluoromethane	580	
Trimethylamine	240	705
Vinyl Bromide	510	510
Vinyl Chloride	510	
Vinyl Methyl Ether		510
Xenon	580	580, 718

Source of Information:

- Matheson Gases and Equipment Catalog,
- Scott Speciality Gases Catalog

<http://www.sisweb.com/referenc/tools/cgafitt.htm>