

Regulator Use and Care

Selecting a regulator

Select a regulator with the correct CGA fitting for the gas cylinder you are using (see Table 1, below).

Table 1 CGA fitting numbers for cylinders by gas

CGA ^a Fitting	Gases
320	Carbon Dioxide
326	Nitrous Oxide
330	Hydrogen Chloride, Hydrogen Sulfide, Methyl Mercaptan, Silicon Tetrafluoride
350	Carbon Monoxide, Ethane, Ethylene, Hydrogen, Methane, Phosphine, Silane
510	Acetylene, Butane, Dimethyl Ether, Ethyl Acetylene, Ethylene Oxide, Iso-Butylene, Propane, Propylene
540	Oxygen
580	Helium, Nitrogen
590	Air (Industrial)
660	Chlorine, Hydrogen Fluoride, Nitric Oxide, Nitrogen Dioxide, Phosgene, Sulfur Dioxide
705	Anhydrous Ammonia

^aCompressed Gas Association

Note the following:

- Small cylinders typically use a CGA C-10 or CGA 600 (5-116L cylinders) fitting.

Figure 1 Small cylinder fitting types



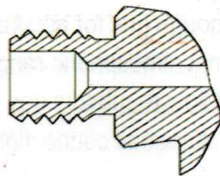
CGA C-10



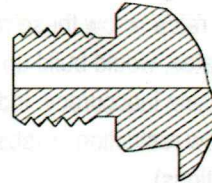
CGA-600

- On larger cylinders (550-4000L cylinders) internal tapers or a flat face is used as a sealing surface.

Figure 2 Internal angle (taper) versus flat face internal seals



Internal Angle Seating face



Flat Face / End – No internal face