

**WAC 296-24-68201 General requirements. (1) Flammable mixture.**

You must guard against mixtures of fuel gases and air or oxygen may be explosive and. You must not allow any device or attachment facilitating or permitting mixtures of air or oxygen with flammable gases prior to consumption, except at the burner or in a standard torch, unless approved for the purpose.

(2) **Maximum pressure.** You must not, under any condition generate, pipe (except in approved cylinder manifolds), or utilize acetylene at a pressure in excess of 15 p.s.i. gage pressure or 30 p.s.i. absolute pressure. (The 30 p.s.i. absolute pressure limit is intended to prevent unsafe use of acetylene in pressurized chambers such as caissons, underground excavations or tunnel construction.) This requirement does not apply to storage of acetylene dissolved in a suitable solvent in cylinders manufactured and maintained according to U.S. Department of Transportation requirements, or to acetylene for chemical use. You must not use liquid acetylene.

(3) **Apparatus.** You must use only approved apparatus such as torches, regulators or pressure-reducing valves, acetylene generators, and manifolds. Use of replacement tips will not nullify the "approved apparatus" status of a torch, if such replacement tips are made to the same specifications as the original tip of the torch at the time of approval by the nationally recognized testing laboratory, or if the use of such tips in conjunction with convertor/adaptors results in the same specifications as the original tip at the time of approval by the nationally recognized testing laboratory.

(4) **Personnel.** You must instruct and judge competent workers in charge of the oxygen or fuel-gas supply equipment, including generators, and oxygen or fuel-gas distribution piping systems for this important work before being left in charge. Rules and instructions covering the operation and maintenance of oxygen or fuel-gas supply equipment including generators, and oxygen or fuel-gas distribution piping systems must be readily available.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 15-24-100, § 296-24-68201, filed 12/1/15, effective 1/5/16. Statutory Authority: Chapter 49.17 RCW. WSR 94-15-096 (Order 94-07), § 296-24-68201, filed 7/20/94, effective 9/20/94; WSR 89-11-035 (Order 89-03), § 296-24-68201, filed 5/15/89, effective 6/30/89; Order 73-5, § 296-24-68201, filed 5/9/73 and Order 73-4, § 296-24-68201, filed 5/7/73.]