



KURT P. HENKE
Fire Chief

Sacramento Metropolitan Fire District

Community Risk Reduction Division

3012 Gold Canal Drive · Rancho Cordova, CA 95670 · Phone (916) 859-4330 · Fax (916) 859-3717

INDUSTRIAL OVEN CHECKLIST

California Fire Code Chapter 21

Scope

An operational permit is required for the installation and operation of industrial ovens and furnaces.

Class A furnace – oven or furnace with heat utilization equipment where there is a potential explosion or fire hazard and in which flammable volatiles or combustible materials are processed or heated.

Class B furnace - oven or furnace with heat utilization equipment where no flammable volatiles or combustible materials are heated.

Class C furnace – oven or furnace that has a potential hazard due to a flammable or other special atmosphere being used for treatment of material in process.

Class D - oven or furnace that operates at temperatures above ambient to over 5,000°F and at pressures below atmospheric.

Conditions:

- Indoor, outdoor or combination ventilation and combustion air is provided, maintained and unobstructed.
- Oven, oven heaters and related equipment location does not pose an ignition hazard to building, flammable vapors, mist, or combustible dusts.
- Fuel gas piping is Underwriter's Laboratory (UL) listed and approved.
- Manual fuel shutoff valve visually indicates the open or closed position and is provided within 6 feet of appliance.
- Class A oven exhaust, recirculation air and interlocks are provided and maintained.
- Class C oven special atmosphere protective equipment and interlocks are provided and maintained.
- Class A and B oven fire sprinkler system is installed and maintained.
- Class C and D oven fixed extinguishing system is installed and maintained.
- 4A:40B:C rated fire extinguisher(s) is located 15-50 feet from oven and related equipment.

- Furnace system information is provided.
- Oven nameplate including: solvent name, solvent amount, purge time, operating temperature and exhaust blower rating is provided.

Additional Requirements may apply