

Type of Drycleaning Machine

Listed below is a description that explains the different types/generations of drycleaning machine(s) that you may have at your facility. Please review these descriptions and indicate on your insurance application on page 4, Question 10.E., the type/generation of machine(s) that you have.

Chlorine-based Machines:

- 1st Generation Machine = These are transfer machines; 40 to 60 parts per million (ppm) TWA.
- 2nd Generation Machine = These are dry-to-dry, vented machines; 15 to 20 ppm TWA.
- 3rd Generation Machine = These are dry-to-dry, non-vented machines with refrigerated condensers. These machines may have a small carbon adsorber referred to as a “carbon pot” to capture some solvent vapors; 15 to 20 ppm TWA.
- 4th Generation Machine = These are dry-to-dry, non-vented machines with secondary vapor control; less than 3 ppm TWA.

These are machines that have a 2nd vapor unit – normally called a CVA (carbon vapor adsorption) unit. This unit reclaims the solvent and a fan keeps the vapors from escaping the machine when the door is open. The vapor control is typically a large charcoal bed that the vapors/solvent are reclaimed by.

- 5th Generation Machine = These are dry-to-dry, non-vented machines with secondary vapor control and drum monitor; less than 2 ppm TWA.

These machines have the same features of a 4th generation machine but includes a lock down of the door to the machine. There is a cool down cycle where a sensor monitors the ppms in the air and until they reach a certain level, the door will not unlock.

Petroleum-based Machines:

- Type I = Transfer machines and/or those machines that use Class I or II types of petroleum. The solvent typically has a flash point of 140 degrees. Your Class I machine will typically use naphthalene or petroleum stoddard.
- Type II = This type of machine will use a Class III or IIIA petroleum solvent. The solvent would typically have a flashpoint of 180 degrees or higher.

TWA reflects the perc exposure on an eight-hour time-weighted average (TWA).