

2019 CALIFORNIA BUILDING STANDARDS CODE OF REGULATIONS TITLE 24

## Domestic Clothes Dryer Vents – Length Limitations

### Clothes Dryers

The following regulations apply to domestic moisture exhaust ducts in accordance with the 2019 California Mechanical Code, Section 504.

- Duct shall terminate on the outside of building and be equipped with back-draft damper
- No screens shall be installed at duct termination
- Duct shall not be connected by sheet metal screws or other obstructive fasteners
- Duct shall not be connected to gas vent connector, gas vent, or chimney and shall only serve clothes dryers
- Ducts under positive pressure shall not extend into or through ducts or plenums

### Domestic Clothes Dryers

Where a compartment or space for a domestic Type 1 clothes dryer is provided, the following restrictions apply:

- Minimum 4-inch diameter moisture exhaust duct approved material shall be installed
- Ducts shall be insulated through attic and crawl space with 1-3/4" pound fiberglass duct wrap
- Domestic clothes dryer vents shall be made of metal and have smooth interior surfaces
- Transition ducts used to connect the dryer to the exhaust duct shall be listed and labeled in accordance with UL 2158A

*Exception:* Listed clothes dryer transition ducts not more than 6-feet in length may be used in connection with domestic dryer exhausts.

### Length Limitation

- Unless otherwise permitted or required by the dryer manufacturer's installation instructions, and approved by the Building Official, domestic dryer moisture exhaust ducts shall not exceed a total combined horizontal and vertical length of 14-feet, including two 90-degree elbows
- Two feet shall be deducted for each 90-degree elbow in excess of two

*Exception:* Where an exhaust duct power ventilator, in accordance with Section 504.4.2.3, is used, the maximum length of the dryer exhaust duct shall be permitted to be in accordance with the dryer exhaust duct power ventilator manufacturer's installation instructions.

### Exhaust Duct Power Ventilators

- Dryer exhaust duct power ventilators for single residential clothes dryers shall be listed and labeled in accordance with UL 705 and installed in accordance with the manufacturer's installation instructions.

### Termination of Environmental Air Ducts

- Ducts shall terminate a minimum of 3-feet from property line and 3-feet from openings into the building

### Provisions for Makeup Air

- Where a closet is designed for the installation of a clothes dryer, an opening of not less than 100 square inches (0.065m<sup>2</sup>) for makeup air shall be provided in the door or by other approved means.

