

**WAC 296-835-13010 Meet specific requirements if you use electrostatic equipment.**

**ELECTRICAL**

- (1) Provide safe electrical equipment.
  - (a) You must make sure electrodes in your equipment are:
    - (i) Substantial;
    - (ii) Rigidly supported;
    - (iii) Permanently located;
    - (iv) Effectively insulated from ground by insulators.
  - (b) You must make sure the insulators are:
    - (i) Nonporous;
    - (ii) Noncombustible;
    - (iii) Kept clean and dry.
  - (c) You must make sure high voltage leads to electrodes are effectively:
    - (i) Supported on permanent, suitable insulators;
    - (ii) Guarded against accidental contact or grounding.
- (2) You must make sure transformers, powerpacks, control apparatus, and all other electrical parts of the equipment:
  - (a) Are located outside the vapor area; or
  - (b) Meet the requirements of WAC 296-835-12040.

**Exemption:** High voltage grids and their connections may be located in the vapor area without meeting the requirements of WAC 296-835-12040.

**PAINT DTEARING**

- (3) Safeguard paint detearing operations.

You must use approved electrostatic equipment in paint detearing operations.

  - (4) You must make sure goods being paint deteared are:
    - (a) Supported on conveyors;
    - (b) **Not** manually handled.
  - (5) You must keep a minimum safe distance (twice the sparking distance) between goods being paint deteared and the electrodes or conductors of the electrostatic equipment at all times by:
    - (a) Arranging the conveyors to provide the necessary distance;
    - (b) Supporting the goods to prevent swinging or movement, if necessary.
  - (6) You must post a sign that shows the minimum safe distance (twice the sparking distance) near the equipment, where it can be easily seen.
  - (7) You must keep paint detearing operations separate from storage areas and people by using fences, rails or guards that are:
    - (a) Made of conducting material;
    - (b) Adequately grounded.
  - (8) You must protect paint detearing operations from fire by installing:
    - (a) Automatic sprinklers; or
    - (b) An approved automatic fire extinguishing system.
  - (9) You must collect and remove paint deposits by:
    - (a) Providing removable drip plates and screens;
    - (b) Cleaning these plates and screens in a safe location.

**AUTOMATIC DISCONNECT REQUIREMENT**

- (10) You must make sure electrostatic equipment has automatic controls that immediately disconnect the power supply to the high-voltage transformer and signal the operator, if:
  - (a) Ventilating fans or equipment stop or fail for any reason;
  - (b) Conveyors do not work properly;

(c) A ground (or imminent ground) occurs anywhere in the high-voltage system; or

(d) Goods being painted come within twice the sparking distance of the electrodes or conductors of the equipment.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 17-18-075, § 296-835-13010, filed 9/5/17, effective 10/6/17. Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. WSR 02-15-102, § 296-835-13010, filed 7/17/02, effective 10/1/02.]