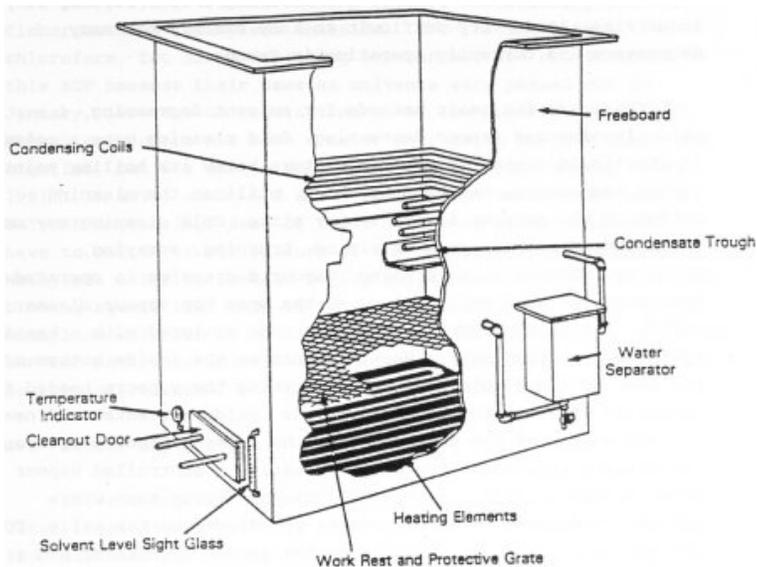


Open Top Vapor Degreaser

Organic Solvent Degreasing Operations (326 IAC 8-3)

- **Control device or control practice if the solvent is heated to 48.9 °C (120 °F):** Freeboard ratio of 0.75 or greater; it is the distance from the solvent/air interface to the top of the degreaser divided by the smallest interior dimension (length, width or diameter)
- Refrigeration
- Carbon adsorption
- Device that opens or closes cover when part is immediately entering or being removed or
- An equivalent control which must be tested



Operating practices:

- Open and close the cover carefully to avoid displacing the vapor zone
- Keep cover closed except when moving parts
- Post operating requirements where they can be readily seen by the user
- Repair leaks immediately or shut down the degreaser
- **Minimize solvent carryout**
 - Rack parts to maximize drainage
 - Moving parts at less than 3.3 meters per minute or 11 feet per minute
 - Keeping parts in vapor zone at least 30 seconds or until condensation ceases
 - Tipping parts as necessary to drain any accumulated solvent
 - Keeping parts above the vapor zone at least 15 seconds or until visually dry
- **Prohibitions**
 - Immersing porous or absorbent materials such as cloth, leather, wood or rope
 - Immersing large parts relative to the size of the opening
 - A part or parts should occupy less than half the size of the opening
 - Removal of the part or parts should not cause the vapor level to drop more than 10 centimeters (4 inches).
 - Spraying above the vapor level

Applicable to degreasers constructed after July 1, 1990

- Placing fans near the degreaser opening
- Exceeding a ventilation rate of 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of open area
- **Equipment**
 - Condenser flow switch and thermostat shutting off sump heat if the condenser becomes too warm
 - Spray safety switch shutting off spray pump if vapor level drops more than 10 centimeters (4 inches)
 - Cover should be readily operable with one hand; examples are those which slide or roll open

Waste storage

- Keep lids on waste solvent containers unless adding or removing material
- Take precautions when transferring waste solvent to another container or by a transporter

Exemptions

- Surface area is less than 1 square meter or 10.8 square feet; as an example, 100 centimeters by 100 centimeters or 48 inches by 32 inches
- Degreasers subject to 40 CFR 63, NESHAP (National Emission Standards for Hazardous Air Pollutants)
 - Subpart T – Halogenated Solvent Cleaning
 - Subpart GG – Aerospace Manufacturing and Rework Facilities not located in Clark, Floyd, Lake or Porter counties
- Degreasing the following types of electronic components
 - Circuit board and printed wire assemblies
 - Printed circuit boards
 - Soldered joints
 - Ground wires
 - Bus bars
 - Other associated electronic components