

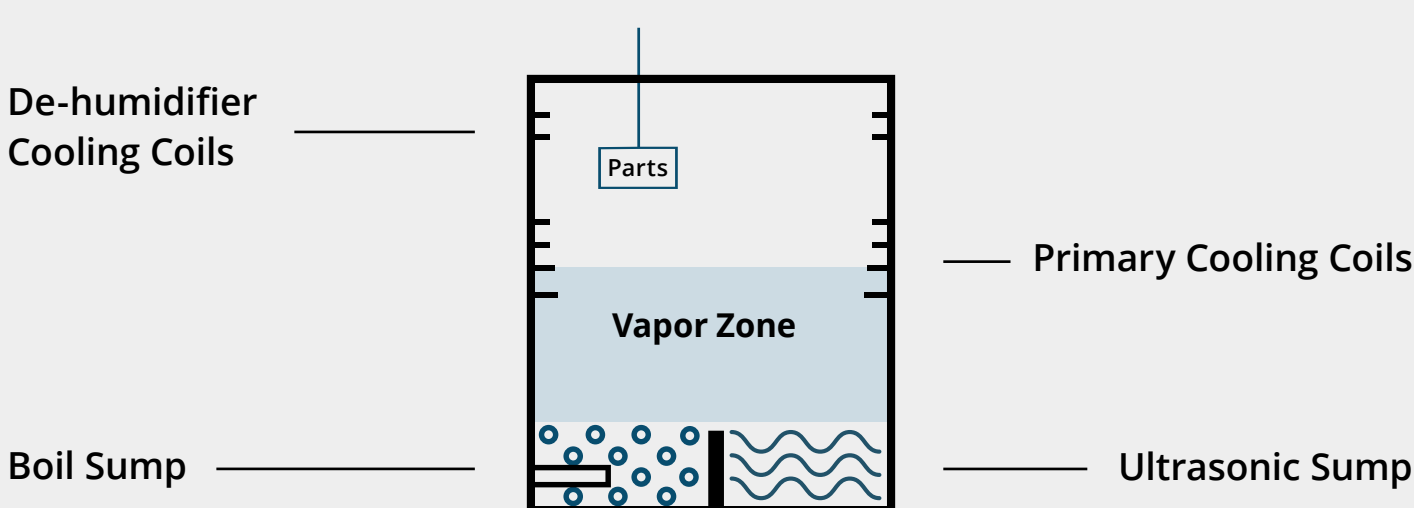


GUIDE TO VAPOR DEGREASING

Vapor degreasing is a relatively simple process that can clean heavy equipment more effectively than other processes. Here is a brief summary of what vapor degreasing is and how it works.

What Is Vapor Degreasing?

Vapor degreasing is the process of using a boiling solvent at the bottom of a vapor degreaser to create vapor that condenses on a part and dissolves any soils. As the solvent cools and condenses further, it drips off the part and carries all dissolved solids with it. The solvent drips back into the boiling solvent at the bottom of the vapor degreaser to be recycled and used again on the next part.



How Does the Vapor Degreasing Process Work?

Step 1:

Boiling the solvent

First, add the solvent to the vapor degreaser and set the temperature for boiling it. Different solvents boil at different temperatures.

Step 2:

Activating the degreaser

Turning on the degreaser will activate the cooling coils as well as the heating element that will boil the solvent. The cooling coils above the heating element ensure that a vaporized solvent remains trapped in a vapor zone inside the degreaser, instead of rising and escaping.

Step 3:

Introducing the parts to be cleaned

The parts to be cleaned are added to a metal basket that is lowered into the vapor zone inside the degreaser, either by hand or with automation. The solvent vapor will condense on the parts, eating away at grease and dirt.

Step 4:

Removing the parts

As the basket is lifted slowly out of the vapor zone, the cooling coils cause the vaporized solvent to condense further. The solvent then drips off the parts, carrying dissolved grease and solids with it. The dripping solvent is collected at the bottom of the degreaser for re-use.

Step 5:

Ultrasonic degreasing (optional)

If any grease or solids remain on the parts after vapor degreasing, ultrasonic degreasing may be required. This process involves a separate chamber containing solvent and a device that creates micro-vibrations. After submerging the parts in this tank, the vibrations serve to scrub the parts and help dislodge any stubborn solids.