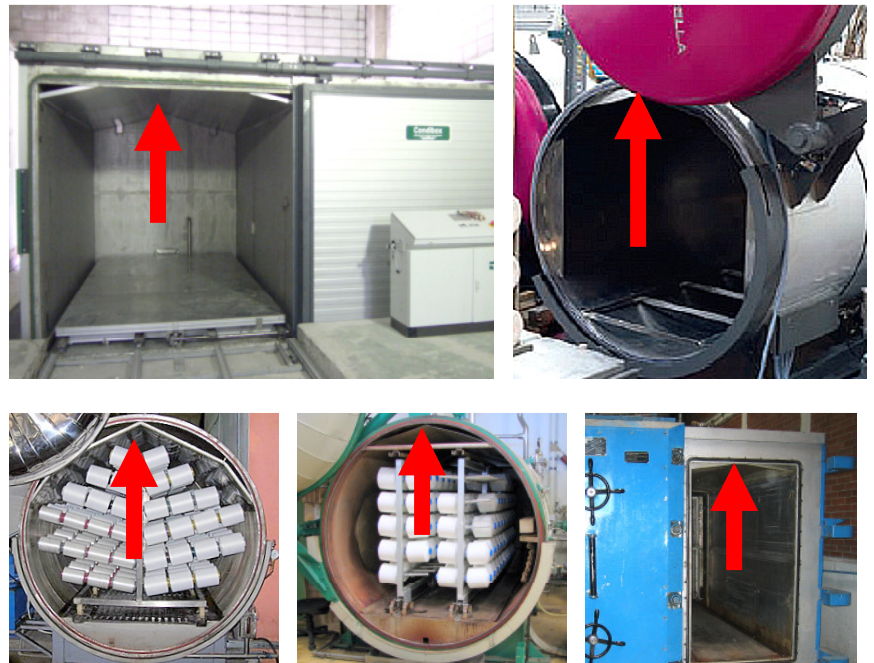


ANTI- CONDENSATION SYSTEM ACS

CONDENSATION PROTECTION

Condensation is a general issue when working with saturated steam, especially when the machine steel body is cold after a longer pause or when the machine is stopped for maintenance.

For this reason, all manufacturers use a roof protection system to catch the droplets falling from the machine roof, by assembly of roof plates underneath the roof. This of course, is a remediation but not really a solution for the problem, as a true anti- condensation system has not been yet available to the market.



ANTI- CONDENSATION SYSTEM

The new WELKER ACS (Anti-Condensation System) is an additional heating system disposed on the top of the machine roof underneath the machine insulation.

Due to the machine design, the heating system heats up the chamber between the machine roof and the insulation, keeping the complete roof under high temperature.

When entering the chamber after vacuum, the hot roof inhibits the formation of condensation droplets, so that there is no risk that any droplet can fall onto the yarns.

The protection steel plates naturally, are also assembled in case any droplet still occurs.

