

Letting off steam at Clean-Tek



PROJECT SUMMARY

Application

Heat and steam needs to be removed from washing and degreasing equipment to prevent it from entering the workshop atmosphere.

Solution

Stainless steel FiltermistXcel2 units remove the heat and steam at source and successfully withstand the highly corrosive environment.

FILTERMIST CASE STUDY

CLEAN-TEK

Washing, degreasing and ultrasonic equipment United Kingdom

Filtermist International has supplied a high temperature, corrosion resistant version of its renowned oil mist extraction unit for the fast removal of steam from Clean-Tek's powerful aqueous cleaning systems.

Clean-Tek washing and degreasing machines are part of the product range of Wheelabrator Group a global manufacturer and supplier of surface preparation equipment. Clean-Tek offer a diverse range of washing, degreasing and ultrasonic equipment from cost effective bench top models to customised high volume machinery for automotive, aerospace and other industrial applications.

Filtermist's stainless steel version of its FiltermistXcel2 model FX6000 has been developed to cope with high temperatures and the volume of steam produced by applications such as front loading parts washers. The rotary washer heats a water based detergent solution to around 75 degrees and pumps it through distribution arms to spray-clean the parts as they are rotated inside the washer.

When an operative needs to open the machine, the heat and steam needs to be safely removed first. At the end of the wash cycle the Filtermist extraction unit starts up and extracts the heat and steam through the side of the washer. As the steam is drawn through the unit it impacts against rotating impellers, while cool air is pulled in through an open vent to aid the condensing process. The collected water is then returned to the machine's reservoir, whilst the heat is dispersed through the top of the extractor.

Clive Ward – General Sales Manager comments "there is a huge glut of heat and steam to deal with at the extraction point; the very first units we tested couldn't withstand the temperature or corrosiveness of the vapour. The current stainless steel version performs well and has proved to be reliable".

"The Filtermist unit fits well with the machine's profile and performance, it reflects the build quality, is space efficient, robust, reliable, and reasonably priced. It also looks an integral part of the washer, which is very important".