Vaporx
Stainless Steel Vapor Mist Collector

Airpel stainless steel version of its VAPORX mist filter 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 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 mist filter 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 returned to the machine chamber, whilst the heat is dispersed through the top of the filter.

“the very first mist filters we tested couldn’t withstand the temperature or corrosiveness of the vapor. The current stainless steel version performs well and has proved to be reliable.”

The mist collector exhaust system removes steam from the interior of the machine and vents directly to room atmosphere. Cooler room air is mixed with air from the wash system to assist in reducing moisture in exhaust air. Mist collectors can be used in place of conventional exhaust fans and do not require external ducting.
Application
Heat and steam needs to be removed from washing and degreasing equipment to prevent it from entering the workshop atmosphere.

Food Processing
Stainless Steel VAPOR X oil mist eliminators are available to extract vegetable and food oils from Food Processing applications.

Washing, degreasing and ultrasonic equipment
AirPel has supplied a high temperature, corrosion resistant version of its renowned mist filter unit for the fast removal of steam from powerful aqueous cleaning machines.

Solution
Stainless steel VAPOR X mist filters remove the heat and steam at source and successfully withstand the highly corrosive environment.

Air pel filters are available in three sizes

<table>
<thead>
<tr>
<th>Model</th>
<th>Air Flow Mcub/Hr.</th>
<th>Motor kw</th>
<th>A</th>
<th>Dimension Diameter X Height</th>
<th>Intake DIA</th>
<th>Weight KG</th>
<th>Noise DBA</th>
</tr>
</thead>
<tbody>
<tr>
<td>VX-1000</td>
<td>1000 CMH</td>
<td>0.55</td>
<td>450</td>
<td>465 mm X 300 mm</td>
<td>160 mm</td>
<td>25 kg</td>
<td>70 dBA</td>
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<tr>
<td>VX-1500</td>
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<td>72 dBA</td>
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<td>2000 CMH</td>
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<td>465 mm x 500 mm</td>
<td>200 mm</td>
<td>32 kg</td>
<td>72 dBA</td>
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</table>

TECHNICAL DATA

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