

PEARL FILTRATION

MIST ELIMINATOR ME SERIES



General Description

The ME Series Mist Eliminator filter is used to remove liquid from air or gas streams. These filters are effective in reducing; oil mist, water mist, vapours, and salt laden coastal air mist.

All standard sizes are available, custom sizes are available upon request.

Construction

Pearl Filtration's standard Mist Eliminator is manufactured entirely from either 304/316 Stainless Steel, to protect against corrosion. Frames are cold-formed to shape and secured with pop rivets.

The filter consists of up to 15 layers of woven stainless steel (pleated and flat) inner mesh, secured in place with face mesh on both sides of the filter.

Drainage ports are located at the base of the filter. A holding frame or mounting device should also have adequate drainage.

Standard nominal filter thickness is 50 mm.

Handles are optional and can be added upon request.

Installation and Maintenance

The Mist Eliminator must be installed vertically to ensure it's operating at maximum efficiency. Sufficient drainage should be supplied to the filter and mounting device.

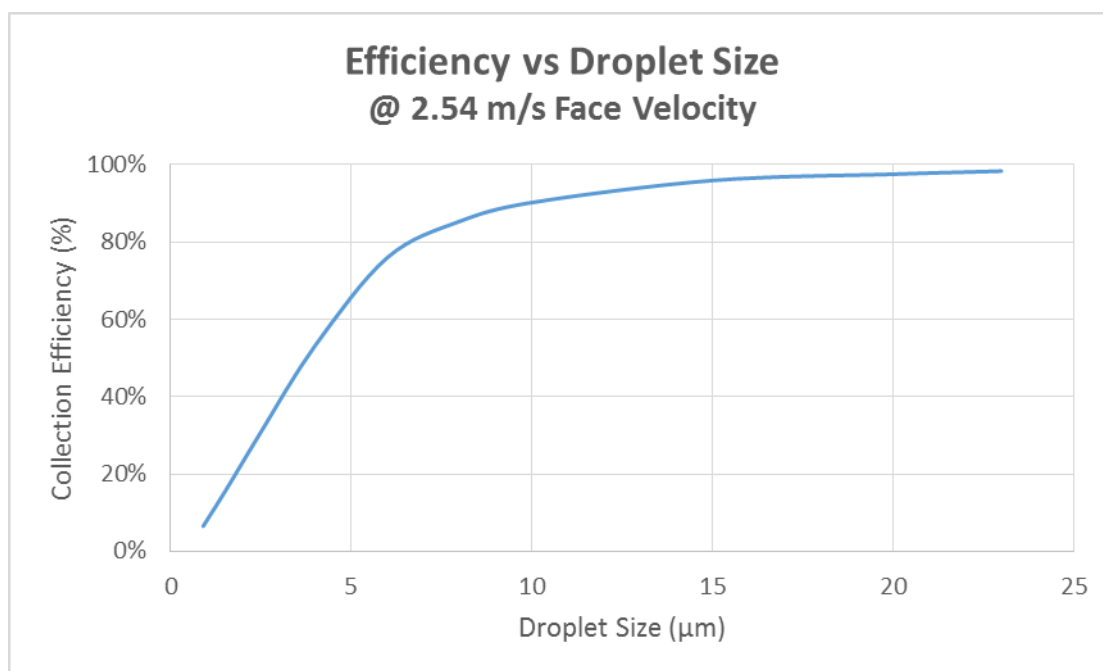
ME Series filters can be cleaned with pressurised steam or hot water. Cleaning solutions are not recommended as they may damage the filter. Ensure filter is completely dry before resuming service.

Performance

Dimensions (mm)	Airflow Capacity (L/s) @ 2.54 m/s	Pressure Drop (Pa) @ 2.54 m/s	Airflow Capacity (L/s) @ 2.8 m/s	Pressure Drop (Pa) @ 2.8 m/s
295 × 595	445	55	490	70
395 × 495	495	55	545	70
495 × 495	620	55	685	70
595 × 595	900	55	990	70

Mist Eliminators are available in all the above standard sizes. Other dimensions can be manufactured upon request. All ME series filters are of 50 mm nominal thickness. Non-standard filters may result in a higher pressure drop and lower airflow capacity.

The ME Series Mist Eliminator is designed to filter 20 micron water/oil droplets at an efficiency of 97 %, achieved at 2.54 m/s face velocity. The maximum allowable face velocity is 2.8 m/s.



Claim

To our best knowledge at present time, information contained herein is accurate. We do not assume any liability whatsoever for the accuracy and completeness of the information contained here within. Therefore final determination of suitability of any material is the sole responsibility of the user(s). Recipients of our products must take necessary measures and responsibilities in order to comply with related local government regulations and laws.