

Single Stage Spray Eliminator (SE1 ATOM)

Designed for use within the most extreme and demanding environments such as those found in Offshore, Nuclear and Military applications.



Single Stage Spray Eliminator

The single stage separator removes sea spray, rain, bulk water, salt and other fine deliquesced aerosol debris from air intakes and is typically used to protect HVAC equipment, ventilation systems and diesel engine air intakes.

With the added advantage of being able to withstand small blast events, the entirely stainless construction without moving parts also makes the SE1 Atom ideal for use in nuclear installations.

Features & Benefits

- Removes rain/sea spray from the air
- High efficiency
- Low pressure loss
- Maintenance free
- Custom drainage available
- Sized to suit application
- Drastically reduces the effect of small blast events
- Integrated debris catcher

Technical Information

Performance

SE1 operates at over 99% removal of 5-micron water particles

Materials of Construction

Casing and Flanges:

Materials

Stainless Steel 304L/316L (1.4307/1.4404)

Thickness

5 mm (Overall size dependent)

Finish:

Natural

Construction

Joining or adjacent edges shall be fillet or butt welded in accordance with Wozair's Welding Procedure Specifications (WPS).

SE Profile Vane:

Materials

Stainless Steel 304L/316L (1.4307/1.4404)

Thickness

0.6mm (24 gauge U.S.G.) thick roll formed from foil

Other Materials:

Vane Spacers: Hydraulically expanded Stainless Steel tube

Name Plate: Stainless Steel 316L or Traffolyte

Installation

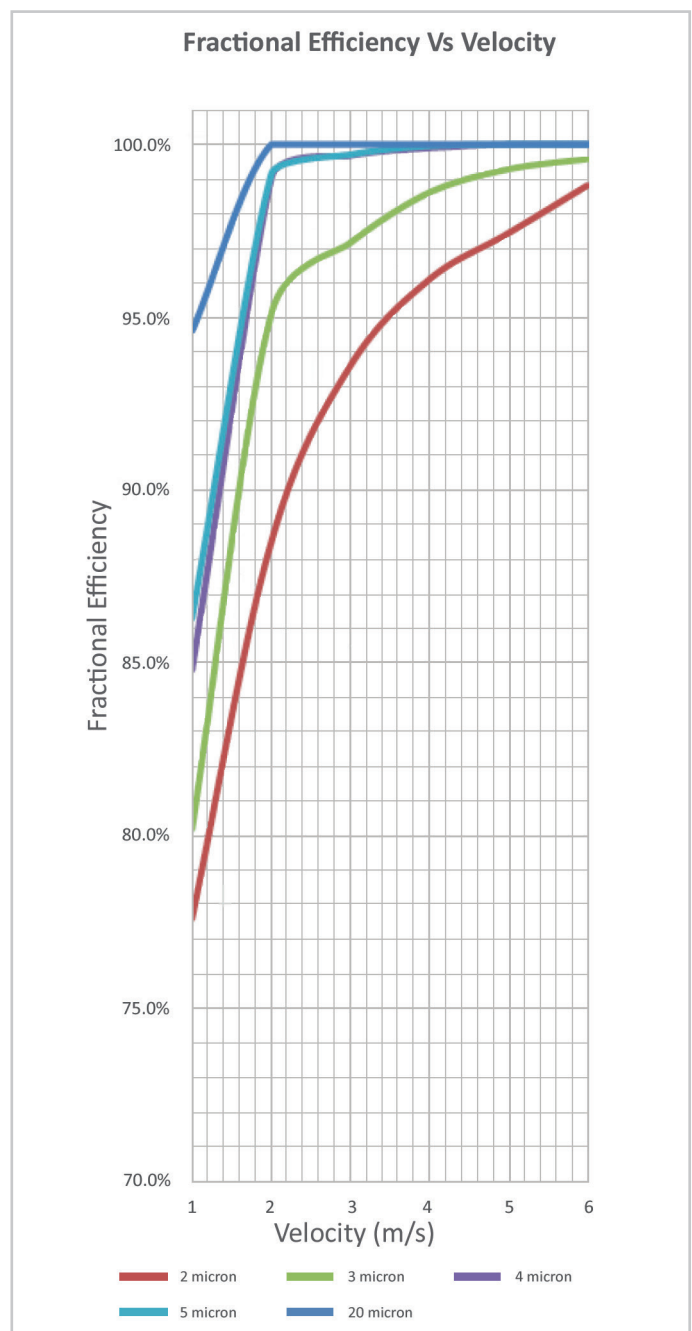
Typical installation arrangement:

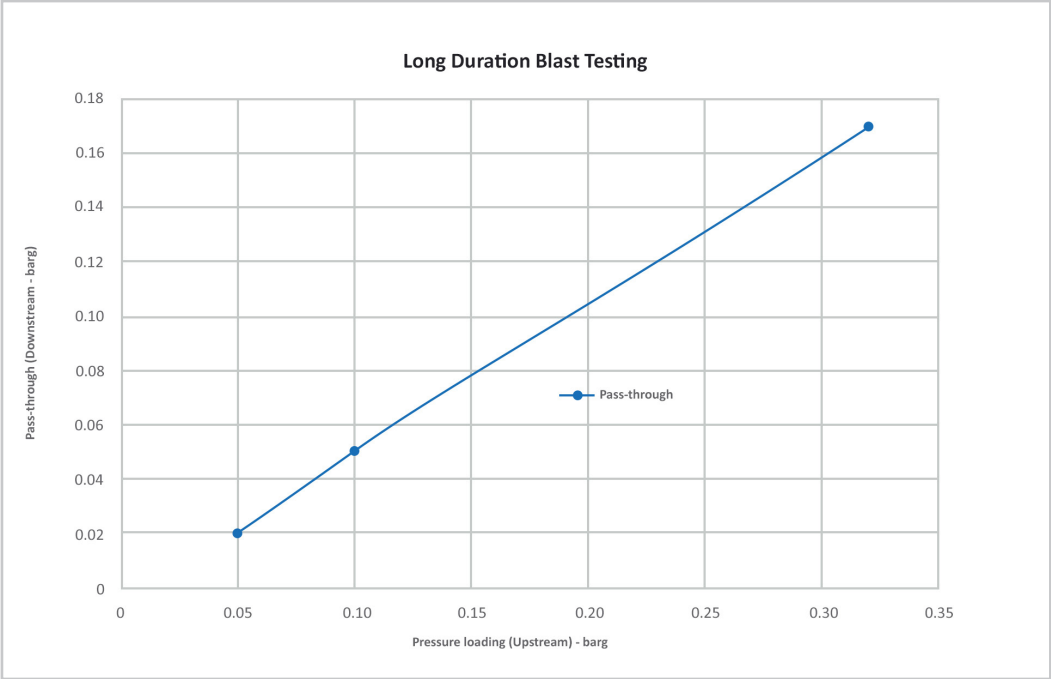
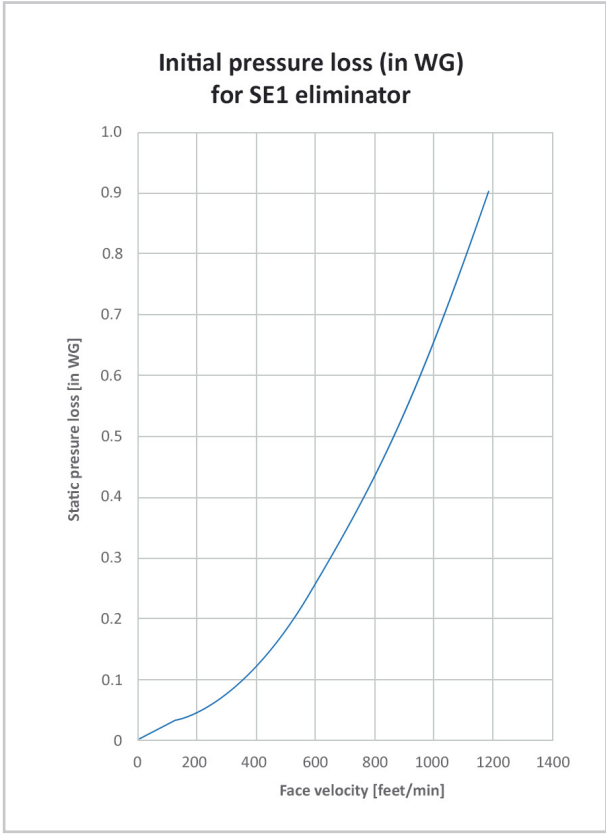
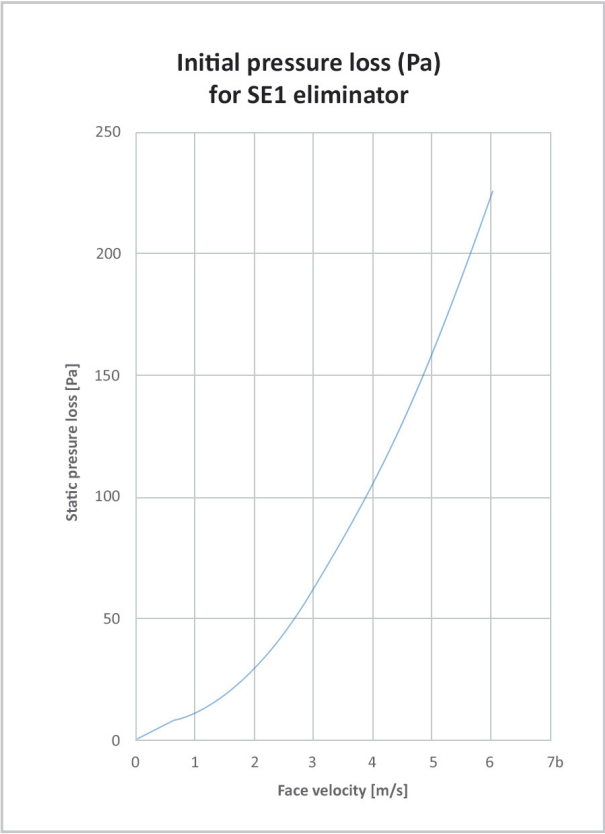
- Double Flange Mounting

Flange dimensions and drilling patterns may be manufactured to customer specifications or to industry standards such as EN ISO 15138.

Performance & Efficiency

Wozair's performance and efficiency data has been independently verified by an independent testing laboratory and is proven to meet the highest of industry standards.





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