

# S-Trap HD

## OPTIMIZED INERTIAL AIR FILTERS



### Product Overview

The S-Trap HD removes airborne particles by inertial separation and is normally self-cleaning.

The product is designed as a bolt-on prefilter for Air Handling Units placed in areas with sand or dust storms or otherwise exposed to heavy dust loads. The S-Trap HD's heavy-duty construction is also suitable as a prefilter for engines installed in moving equipment in mines, etc.

The S-Trap HD (STHD) casing and other critical parts are made from thicker 3mm steel and welded together to ensure durability, vibration resistance and support during harsh conditions.

The S-Trap HD inlet grille is easily removable for inspection or replacement of the filtration elements.

The S-Trap HD shares the same efficiency and filtration capacity of the STL model with an arrestance of 92% when tested with SAE J 726 Coarse Dust. The S-Trap HD also operates at reduced flow with a pressure drop as low as 50Pa while maintaining efficiency above 90%.

- Industry leading capacity
- High filtration performance with lower pressure drop
- Heavy duty welded and painted construction
- Self-cleaning
- Painted mild steel or stainless steel options
- Quick & easy removable inlet grille and filtration elements

### Heavy Duty Performance

Built to withstand harsh environments, rust free, self-cleaning, rigid design and equipped with long-lasting materials

### Components

Casing and dust chute are welded heavy duty painted mild steel or stainless steel, other components are individually hot-dip galvanised steel or stainless steel.

### Design

Smart design to optimise the space, weight and installation. Easy to remove inlet grill and filtration elements for convenient inspection. Dust chute can be ordered with flange positioned at the bottom centre, right side, left side or both sides of the S-trap. Flange on both sides is used when a standby secondary fan is required.

### Material

S-Trap HD can be produced in different material based on customer preference.

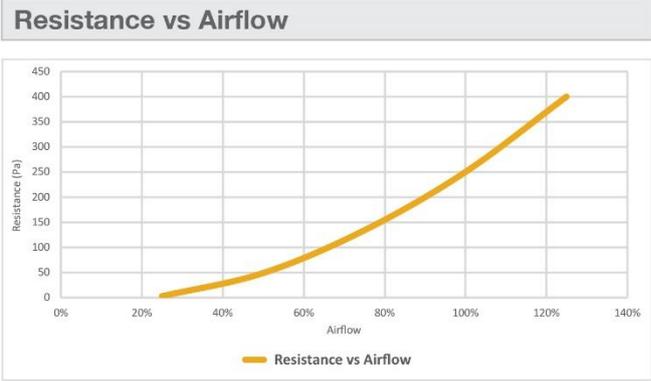
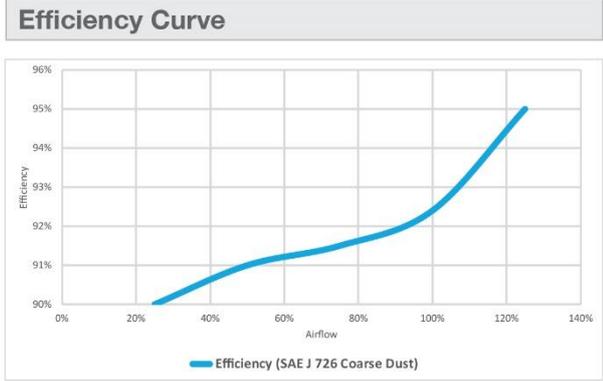
- Mild Steel + Paint
- Stainless Steel

### Accessories / Add-Ons

- Secondary fan
- Control panel
- Manometer
- Weather Hood
- Support Legs

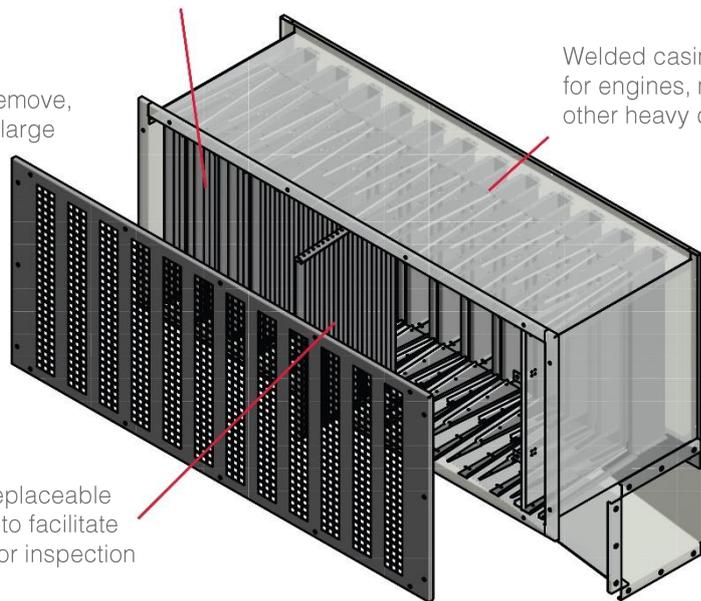
R&D test shows that S-Trap can also filtrate other particles than sand, which makes this inertial filter ideal for prefiltration in many industries, please consult our sales for further details.

## Performance Data



Individually hot dip galvanised or stainless steel vanes designed to reduce pressure drop losses while maintaining high filtration efficiency

Single piece, easy to remove, inlet screen to prevent large debris from entering



Welded casing construction suitable for engines, moving equipment and other heavy duty applications

Removable and replaceable filtration elements to facilitate service, cleaning or inspection

Shallow design in airflow direction allowing installation on sites with space restrictions

Dust chute can be ordered with flange positioned at the bottom centre, right side, left side or both sides of the S-trap centre outlet

### Asia Sales Office Air Filter

American Air Filter Manufacturing Sdn. Bhd. (Malaysia)  
 AAF Australia Pty. Ltd. (NSW Sales Office)  
 AAF Australia Pty. Ltd. (VIC Sales Office)  
 AAF Australia Pty. Ltd. (QLD Sales Office)  
 AAF India Private Limited (Noida)  
 AAF India Private Limited (Bangalore)  
 AAF International (Thailand) Co., Ltd.  
 AAF International Air Filtration Systems L.L.C.  
 AAF Singapore Pte. Ltd.  
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AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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MAFP-1-002A 08/18