

Filtro Metallic

Coalescer Metal Mesh Filters



Key Features

- Long service life
 - Small transport volume
 - Long maintenance interval
 - High mechanical strength
 - Low pressure drop
 - Resistance to high temperature operations
 - Various frame sizes with any dimensions available
 - **UL Listed**
- ▼ **Filter Standard** EN 779 / ASHRAE 52.2 / ISO 16890
 - ▼ **Frame type** GI / Aluminium / Stainless Steel
 - ▼ **Standard depth** 20mm ,25mm ,48mm ,98mm
 - ▼ **Media** Expanded metal mesh (Aluminium / GI)
 - ▼ **Efficiency** G2 / ISO Coarse 55%
 - ▼ **Max. Operating Temperature** 100°C FLA / 150°C FLST/ 300°C FLSTS
 - ▼ **Final Pressure drop** 400 Pa / 1.6"WG (Recommended)
 - ▼ **Application** Grease or oil mist separation

Filtro Metallic FLST filters are permanent filters with layers of aluminium or stainless steel mesh of different screen sizes depending upon applications. A variant with electrostatic filters in same design is also offered by adding a sandwiched electrostatic layer. They are used in kitchen exhaust for grease trapping and also as a coalescing filter in HVAC and GT applications. Filters come in standard sizes but tailor made sizes are also offered. They are available in G2 filtration class with depths of 25mm, 48mm and 98mm.

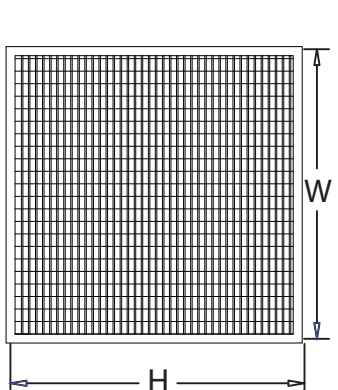
Construction

Model - Filtro Metallic FLST

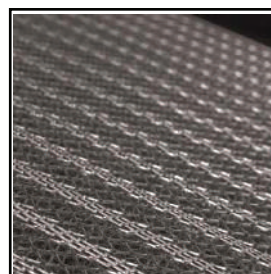
Filtro Metallic FLST filters are high-velocity washable-type permanent air filters suitable for HVAC, Kitchen and Grease filtration applications. The filter media use pleated layers of 14 screen aluminium mesh arranged in multi layers and encased in an aluminium or galvanized steel frame. An additional expanded metal grid on upstream and downstream sides provides media support and strength to the filter. These filters offer very low resistance to airflow. Complete stainless steel construction model FLSTS is also available as an option. They are good to use even in very high temperatures since the construction is fully metallic. Filters will have a drain hole to pass the grease collected in kitchen exhaust applications. All filters are cleanable using detergent solutions and lukewarm water. Rinse the filters properly, dry and reuse.

Model - Filtro Metallic FLA

Filtro Metallic FLA filters are made of slitted aluminium media in 9-ply or 12-ply. Required layers of media is encased in a metal frame fastened by rivets to make a strong filter. These filters are washable multiple times and offer a very low pressure drop combined with longer life. Both the models are available in frame depths like 25mm, 48mm, 98mm

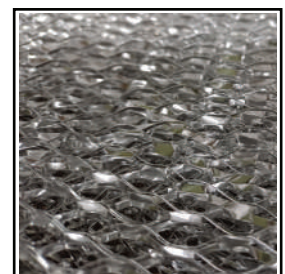


FLST Model



Pleated mesh arrangement in multilayers

FLA Model



Aluminium media in 9 ply & 12ply available

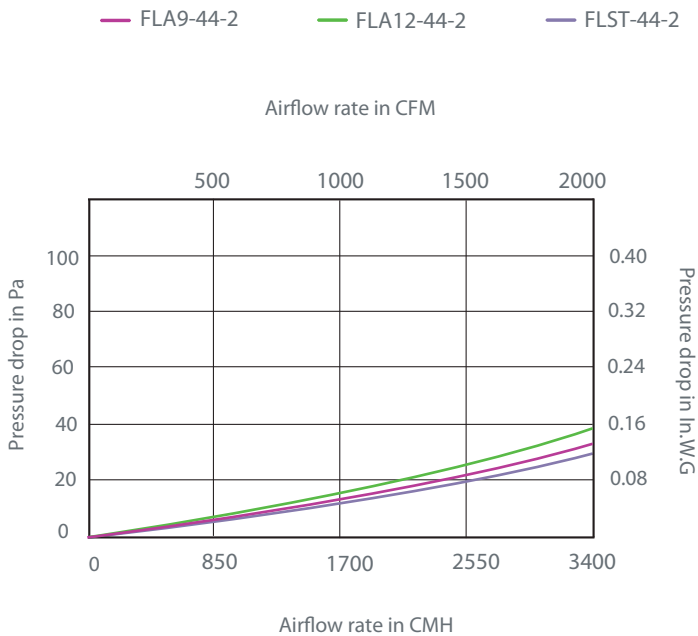


Performance Data

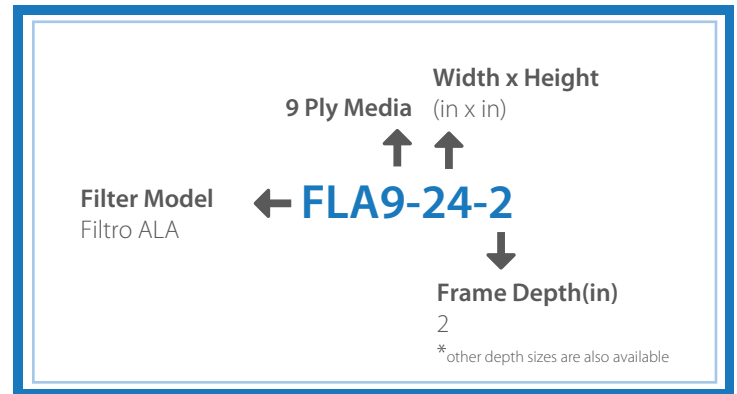
FLA Model				
Models	Nominal Size (in)	Nominal Size (mm)	Airflow (CMH/CFM)	Initial Resistance (Pa/ in.W.G)
9 ply				
FLA9-44-1	24x24x1	592 x 592 x 25mm	3400/2000	25 / 0.10
FLA9-24-1	12x24x1	287 x 592 x 25mm	1700/1000	25 / 0.10
FLA9-44-2	24x24x2	592 x 592 x 48mm	3400/2000	32 / 0.12
FLA9-24-2	12x24x2	287 x 592 x 48mm	1700/1000	32 / 0.12
FLA9-44-4	24x24x4	592 x 592 x 98mm	3400/2000	45 / 0.18
FLA9-24-4	12x24x4	287 x 592 x 98mm	1700/1000	45 / 0.18
12 ply				
FLA12-44-1	24x24x1	592 x 592 x 25mm	3400/2000	30 / 0.12
FLA12-24-1	12x24x1	287 x 592 x 25mm	1700/1000	30 / 0.12
FLA12-44-2	24x24x2	592 x 592 x 48mm	3400/2000	38 / 0.15
FLA12-24-2	12x24x2	287 x 592 x 48mm	1700/1000	38 / 0.15
FLA12-44-4	24x24x4	592 x 592 x 98mm	3400/2000	50 / 0.20
FLA12-24-4	12x24x4	287 x 592 x 98mm	1700/1000	50 / 0.20

FLST Model				
Models	Nominal Size (in)	Nominal Size (mm)	Airflow (CMH/CFM)	Initial Resistance (Pa/ in.W.G)
FLST-44-1	24x24x1	592 x 592 x 25mm	3400/2000	18 / 0.07
FLST-24-1	12x24x1	287 x 592 x 25mm	1700/1000	18 / 0.07
FLST-44-2	24x24x2	592 x 592 x 48mm	3400/2000	29 / 0.11
FLST-24-2	12x24x2	287 x 592 x 48mm	1700/1000	29 / 0.11
FLST-44-4	24x24x4	592 x 592 x 98mm	3400/2000	43 / 0.17
FLST-24-4	12x24x4	287 x 592 x 98mm	1700/1000	43 / 0.17
SS Material - High Temperature upto 300°C				
FLSTS-44-1	24x24x1	592 x 592 x 25mm	3400/2000	18 / 0.07
FLSTS-24-1	12x24x1	287 x 592 x 25mm	1700/1000	18 / 0.07
FLSTS-44-2	24x24x2	592 x 592 x 48mm	3400/2000	29 / 0.11
FLSTS-24-2	12x24x2	287 x 592 x 48mm	1700/1000	29 / 0.11
FLSTS-44-4	24x24x4	592 x 592 x 98mm	3400/2000	43 / 0.17
FLSTS-24-4	12x24x4	287 x 592 x 98mm	1700/1000	43 / 0.17

Airflow vs Initial Resistance



Model Details Breakdown



Frame	Aluminium / GI / SS
Media	Aluminium / SS
Mesh support	Downstream & Upstream
Drain hole	As per requirement
Max. Temp	100°C FLA / 150°C FLST / 300°C FLSTS
Efficiency standard	ASHRAE 52.2 / EN 779 / ISO 16890
Final pressure drop	400 Pa / 1.6" WG

Available upon request	Non-standard dimensions
	Handle & Flanges

Our Group Companies and Global Network



All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.

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