



Clean Liquid Systems LLC

20150 Kuykendahl Rd. Unit 200

Spring, TX 77379

Ph: 713-253-0100 / 713-253-5001

www.cleanliquidsystems.com

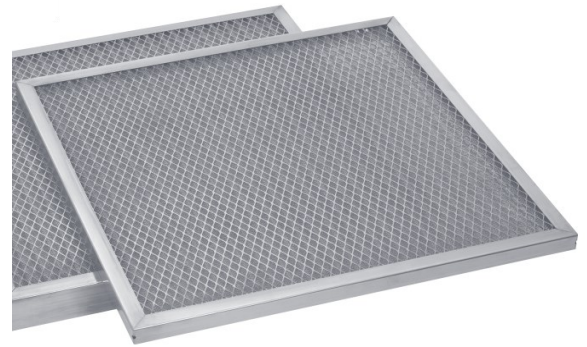
Screen mesh filters

Available in Aluminum, Galvanized or Stainless Steel

Application:

The SM series filter is an impingement type panel filter designed for use in residential, commercial and industrial HVAC applications to remove large airborne particulate and coolant mist from the airstream. Popular applications include outside air intake ducts, rooftop hoods and air handling units.

It is an ideal solution for any HVAC system that desires a washable and durable pre-filter with low resistance to airflow.



Construction: SM Series uses a metal frame to enclose the media pack consisting of multiple layers of corrugated screen wire assembled in a criss-cross fashion for strength. The pack is then placed between two layers of expanded metal and is made to fit firmly inside the frame giving the SM Series filter its exceptional strength and durability. The frame is made with mitered corners, is secured with rivets and has drain holes to allow for easy drainage when washing.

Filter Cleaning and Coating

1. To clean a dirty filter, rinse it with a moderate-to-heavy stream of warm water. High-powered steam cleaning or chemical dips are unnecessary and not recommended.
2. The SM Series filter is not supplied from the factory with filter adhesive coating. If desired, it may be sprayed before installation with Filter Coat, a water soluble adhesive and detergent.

MAX TEMP: Alum – 275 Degrees F, Galv – 325 Degrees F, Stainless Steel – 900 Degrees F

SIZING INFORMATION :

What does Nominal mean? Standard size filters are of a nominal dimension. This means the height and width dimensions are undercut by a certain amount. See below for the exact amount of undercut for each dimension.

** Filter Thickness: ½" is exact, nominal 1" (actual 7/8"), nominal 2" (actual 1-3/4") and nominal 4" (actual 3-3/4").

1. Standard nominal filters are ½" undercut on the height and width dimensions.
2. Special size filters are made to the exact height and width dimensions provided.
3. Standard and Special size filters are available in ½" exact (HEA only), nominal 1" (7/8" actual), nominal 2" (Actual 1-3/4") and nominal 4" (3-3/4").
4. Tolerance height and width: ± 1/8"



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CONSTRUCTION

Frame Alloy	.030" thick aluminum	24 gauge galvanized steel	24 gauge stainless steel
Face Grids	.020" thick aluminum	28 gauge galvanized steel	28 gauge stainless steel
Media	Aluminum screen wire	Aluminum screen wire	Stainless steel screen wire
APPLICATION			
Application	Airborne particulate and coolant mist	Airborne particulate and coolant mist	Airborne particulate and coolant mist
Max Operating Temperature	250°	325°	900°
Washability	Frequent and moderate	Frequent and rigorous	Frequent and rigorous

STANDARD SIZES

Nominal Dimensions	Part	Carton	Carton	Part	Carton	Carton	Part	Carton	Car-
(H x W x T)	Number	Quantity	Weight	Number	Quantity	Weight	Number	Quantity	Weight
12 X 24 X 1	SMA12241	12	14.9	SMG12241	12	-	SMSS12241	12	32.1
16 X 20 X 1	SMA16201	12	14.3	SMG16201	12	33.7	SMSS16201	12	32.7
16 X 25 X 1	SMA16251	12	17.2	SMG16251	12	40.1	SMSS16251	12	39.4
20 X 20 X 1	SMA20201	12	16.7	SMG20201	12	39.3	SMSS20201	12	38.8
20 X 25 X 1	SMA20251	12	20.6	SMG20251	12	47.1	SMSS20251	12	47.2
24 X 24 X 1	SMA24241	12	23.2	SMG24241	12	52.5	SMSS24241	12	53.2
12x24x2	SMA12242	12	19.0	SMG12242	12	42.7	SMSS12242	12	41.6
16 X 20 X 2	SMA16202	6	10.2	SMG16202	6	22.4	SMSS16202	6	22.2
16x25x2	SMA16252	6	12.2	SMG16252	6	26.5	SMSS16252	6	26.7
20 X 20 X 2	SMA20202	6	11.8	SMG20202	6	25.8	SMSS20202	6	26.1
20 X 25 x 2	SMA20252	6	14.6	SMG20252	6	31.0	SMSS20252	6	31.9
24 X 24 X 2	SMA24242	6	16.5	SMG24242	6	34.4	SMSS24242	6	35.9
12x24x4	SMA12244	3	10.0	SMG12244	3	18.8	SMSS12244	3	19.4
16 x 20 x 4	SMA16204	3	9.2	SMG16204	3	18.1	SMSS16204	3	19.1
16x25x4	SMA16254	3	11	SMG16254	3	21.3	SMSS16254	3	22.9
20 x 20 x 4	SMA20204	3	10.6	SMG20204	3	20.8	SMSS20204	3	22.4
20 x 25 x 4	SMA20254	3	13.1	SMG20254	3	24.9	SMSS20254	3	27.4
24 x 24 x 4	SMA24244	3	14.9	SMG24244	3	37.7	SMSS24244	3	31.0

Pressure Drop Test Data
24" x 24" Nominal Filter

