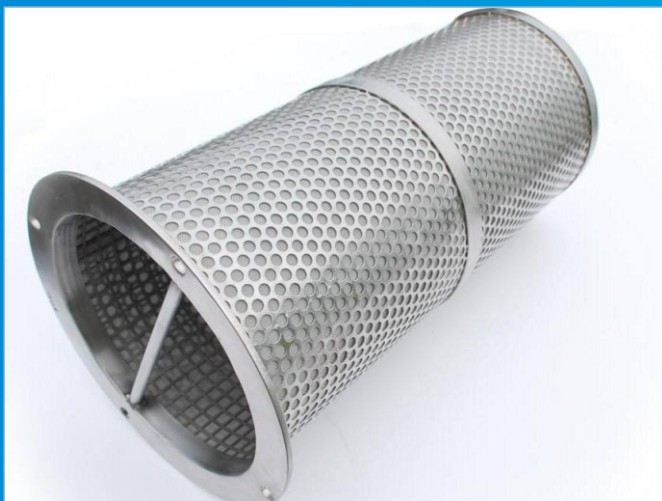


FILTER DATASHEET

CMI FILTRATION



Global Delivery and Fulfillment

The Reliable Company

Tel+86 021-80517634 E-mail: sales@cmi-ly.com Web: www.cmi-ly.com



CMI Sintered Metal Mesh Filter

Description

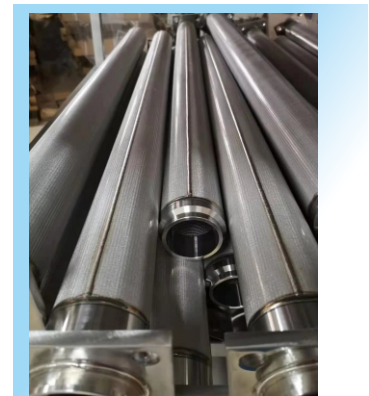
CMI sintered metal mesh filters are made from multiple layers of sintered wire mesh panels. Several layers of metal mesh are heated, pressed and bonded together by high temperature vacuum sintering, argon arc or plasma welding. The size and distribution of the holes are decided by selecting different wire diameter, mesh size, mesh layer, or weaving method of the wire mesh. This production process brings excellent mechanical properties and makes the sintered metal mesh filter as ideal material for filtration. Standard product is usually made by 5 layers, while 6 or 7 layers are also possible in case of customer request.



Besides sintered metal mesh filter cartridges, sintered mesh panels can also be formed into other filter elements like sintered metal mesh filter discs, sintered wire mesh cylinders, sintered wire mesh cones and tubes.

Features

- Excellent resistance to high temperatures, low temperatures and thermal shock
- Excellent mechanical strength and impact resistance
- Excellent uniformity of filtration pores
- Big flow rate of unit surface area
- Applied in high pressure or high viscosity environment
- Corrosion and high temp. resistant
- Filters are washable and reusable when necessary
- Excellent machinability allows a wide range of configurations
- No delamination, mesh distortion or runoff



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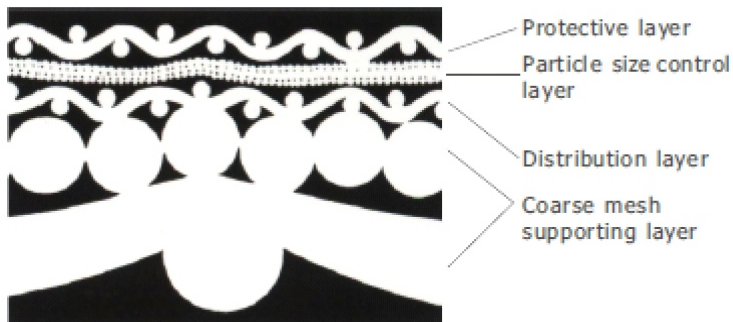
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CMI Sintered Metal Mesh Filter

Data & Specifications

- Shape: Cylinder filters, filter sheet, filter discs, length and sizes can be acc. to customer request
- Outside Diameter of cartridges(OD): 20mm-1000mm
- Tube size(mm): 10.5, 14, 18, 25, 35, 40, 50, 65
- Length(inch): 10, 20, 30, 40, 50, 60, 70
- Media Grade: 1-200 μm
- Operation Temperature: -269°C to 480°C



Cross section Structure of sintered mesh filter

Product Material

Stainless Steel (SS316L, SS304)

Flow rate data

These graphs show permeability properties of plate under lab conditions
Data for reference only; Customer shall combine actual production
condition to select right filter elements

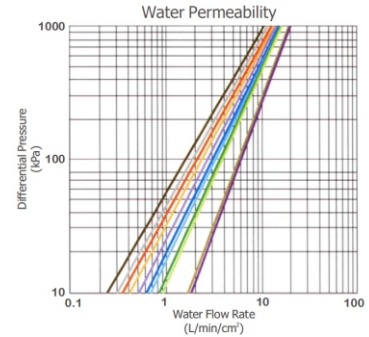
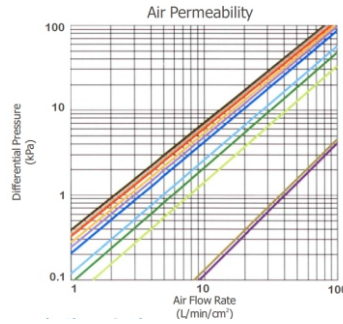
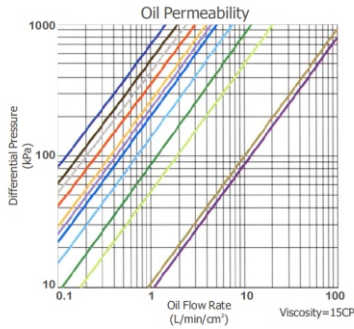
SM - 0.3	SM - 20
SM - 0.5	SM - 40
SM - 1	SM - 75
SM - 2	SM - 100
SM - 5	SM - 150
SM - 10	SM - 200

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CMI Sintered Metal Mesh Filter



Applications:

- Purification and Filtration of Liquid & Gas
- Separation and recovery of solid particle
- Transpiration cooling under high temperature
- Noise Reduction
- Fluidized Beds
- Chemical fiber filtration
- Chemical Processing

Ordering Table:

CODE	Media Material	OD	Length	Micron Rating	Non standard
CSM	S-SS316L E-SS304	30-30mm	20-20inch	1	-N if nonstandard
		40-40mm	30-30inch	5	
		50-50mm	40-40inch	10	
		60-60inch	20		
			40		
				70	

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