

POROUS SINTERED METALIC FILTERS

Cleanable filter cartridges made from porous sintered stainless steel

Memsint Porous Filters are made by sintering pre-alloyed stainless steel powder performed without pressure since this would reduce permeability. No binders are used during the manufacturing process. The result is a highly porous filter medium which retains the full corrosion and temperature resistant properties of the alloy. Besides the standard cartridge Filter described in this leaflet, it is also available with various media in a wide variety of different forms such as discs Filter, Pleated Filter, Wire Mesh Filter etc. These Filters will withstand 2.5 bar differential pressure at up to 80°C. The filters are back washable and may be chemically cleaned.



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Features and Benefits

- High void volume
- Pure sintered stainless steel without binders or adhesive
- High physical strength
- Repeatedly cleanable
- Wide range of absolute removal

Applications

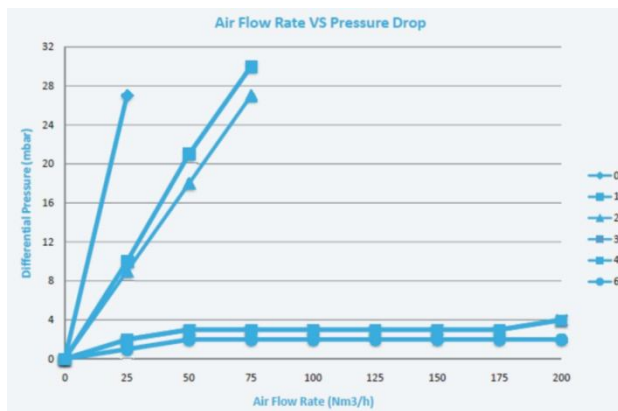
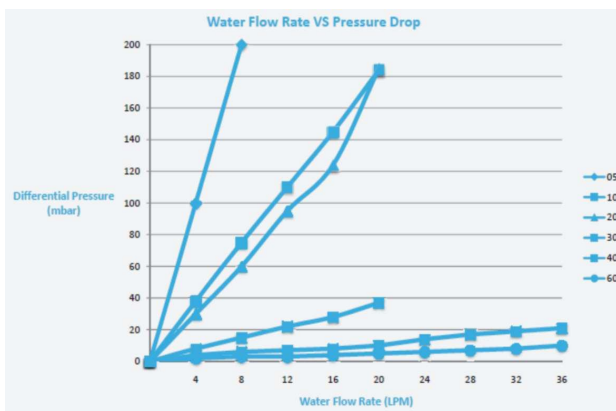
- High viscosity Liquid Filtration
- Steam and High Temperature gases Filtration
- Catalyst recovery from Liquids and gases
- API and Bulk for product Filtration
- Thermal processing in Dairies

Integrity

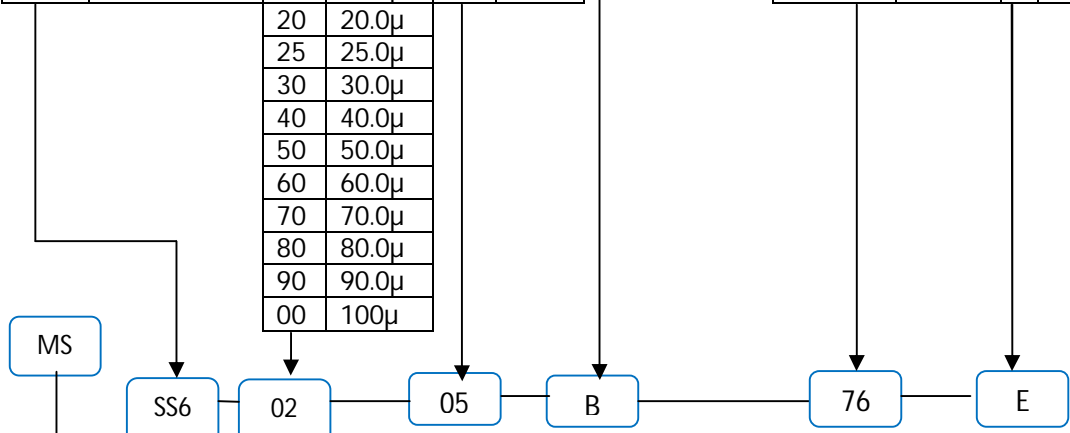
All the filter cartridges are tested prior to dispatch in the form of tubes through reverse bubble point test. Verification done by minimum Density and Bubble pore size Calculation as per ISO 2738 and 4003.

Flow Rate

The flow values given in the curves determine the flow characteristics of single cartridge (65mm) with different micron grade. The curves are drawn up to the maximum flow rate. To obtain the total pressure drop for a filter assembly, the housing pressure drop will have to be added to the cartridge pressure drop. Flow rates for gases relate to air (in Nm³/h) at 6 bar gauge pressure.



Media		Micron Rating		Length (inch)		End Connections		Outer Diameter (mm)		"O" Ring/ Gasket	
SS6	SS 316L	02	0.2μ	05	5 "L	B	BSP	05	5	E	EPDM
HC2	Hastelloy C22	05	0.5	10	10"L	D	DOE	10	10	V	Viton
		1	1.0μ	20	20"L	T	222	25	25	S	Silicone
HC6	Hastelloy C276	3	3.0μ	30	30"L	C	CD-7	50	50	F	FEP encapsulated
		5	5.0μ	40	40"L			63	63		
TIN	Titanium	10	10.0μ	50	50"L			76	76		



→ Memsint SS316 L Sintered filter cartridge with 0.2 micron rating of 76 OD & 5 "length with BSP Threaded end connection along with EPDM "O" Ring.