

HQ Optimal stainless steel filter cartridges composed of stainless steel fibers sintered from coarse to fine grade pore size, which are characterized with absolute-rated retention efficiency, high porosity, and high dirt holding capacity. In addition, the pleated construction provides a large effective filtration area.



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TYPES OF CARTRIDGES

- **P** - PLEATED STAINLESS STEEL WIRE CLOTH FILTER ⁽¹⁾
- **W** - PLEATED STAINLESS STEEL WITH OUTER CAGE ⁽²⁾
- **S** - STAINLESS STEEL WIRE CLOTH SINTERED FILTER ⁽³⁾
- **M** - STAINLESS STEEL MESH ⁽⁴⁾



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FEATURES AND BENEFITS

- Micron rating from 1 to 200µm (depending on the type of media cartridge).
- Wide chemical compatibility: Cartridges can resist strong acid, alkaline and ozone oxidation
- Cartridges can be reused, as they can be backwashed and cleaned by chemical solvent, hot water and steam
- Welded construction eliminates the need for adhesives which can be a contaminant source
- Different seal configurations allow for retrofitting

TYPICAL APPLICATIONS

- Food & beverage: Viscous liquid with high temperature
- Pharmaceuticals: Pre-filtration and decarbonized filtration
- Fine chemicals: Strong acid and alkaline filtration
- Water: Filtrate the O₃ contained in water

TECHNICAL SPECIFICATIONS

EFFECTIVE FILTRATION AREA

1.7 ft² / 1580cm² - 10" / 254mm

MATERIALS OF CONSTRUCTION

- Filter media: 316 stainless steel wire mesh
- Structural components: 316 stainless steel
- Construction method: Welded (no adhesives)

OPERATING CONDITIONS

Operating Temperature	480°C
Maximum Differential Pressure	8.6 bar

Removal ratings (Liquid µm)	Removal ratings (Air µm)	Porosity (%)	Dirt holding capacity (mg/cm ²)	Average air penetrability (L/cm ² min)	Liquid flow rate (m ³ /h)
3.0	0.5	70%	7.9	10	0.8
5.0	1	75%	5.0	47	1.3
7	1.5	76%	6.5	63	1.6
10	2	75%	7.8	105	2.0
25	16	80%	19.0	355	2.5
40	25	-	-	-	-
60	45	-	-	-	-



CARTRIDGE CLEANING METHODS

Pharmaceutical, food & beverage industries	Hot water flush; steam clean; water backwash; brush clean; compress air blow
Chemical industry	Chemical solvent clean; ultrasonic cleaning, high pressure water spray rinsing; acid dipping

ORDERING INFORMATION

ST	MEDIA	MATERIAL	LENGTH	MICRON	END CAP (inf)	END CAP (sup)	GASKETS
	S - Sintered steel	4 - Inox304	05 - 5"/127mm	001 - 1µm	B - DOE with Gaskets	F - Flat	S - Silicone
	P - Pleated steel mesh	6 - Inox316	10 - 10"/254mm	002 - 2µm	C - 226	S - Spear	E - EPDM
	W - Pleated steel with cage	6L - Inox316L	20 - 20"/508mm	005 - 5µm	D - 222		V - Viton
	M - Steel Mesh		30 - 30"/762mm	007 - 7µm	M - Thread 1 1/2"		T - Teflon
			40 - 40"/1016mm	010 - 10µm	T - Truseal		
				025 - 25µm			
				040 - 40µm			
				060 - 60µm			

DISTRIBUIDO POR:



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