

CHTM Stainless steel filter elements



- Filter cartridges are made of high quality stainless steel 316L and 304. Other materials may be requested such as Monel, Inconel, Hastelloy or FeCrAlloy.
- Multiple cartridge regeneration possibility, back washing as or washing in a wide range of chemicals.
- High mechanical endurance.
- High chemical resistance.
- High temperature resistance also in oxidising conditions.
- Very long cartridge life.
- All cartridges are made in welding technology. Adhesives and glues are not used.

Almost unlimited metal cartridges regeneration possibilities make filters very economical. The scope of application includes high temperature and high pressure filtration of gases and liquids as well as filtration in extreme aggressive chemical conditions. Filtration medium can be made in different technologies.

Stainless Steel Microfiber Cartridges produced in pleated technology are characterized by very large filter area, high porosity (70-87%) and low flow resistance. They are perfect for filtration of large streams of liquids and gases. Especially recommended for filtration of hot gases e.g. exhaust gases. Cartridges are available in a wide range of absolute efficiencies from 1 to 100 μm .

Metal powder filters. Elements manufactured from metal powder granulate are mostly used for hot steam cleaning (including steam filtration of culinary quality which provides cartridge with 1 μm efficiency). Metal powder filters are commonly used for high viscosity liquid purification and hot gas filtration processes as well as to recover catalysts from suspensions in petrochemical and related industry.

Stainless Steel Pleated Mesh Filters are produced in cylindrical folding or pleated technology. Filtration medium is composed of several layers of filter mesh point-welded together. Especially used for purification of polymers, high viscosity solutions and to filter ozone water.

Wedge wire (slotted screens) filter elements in the form of cylindrical profiles with profile wires (FOTI). Characterized by possibility to carry heavy loads, very low flow resistance and large open space coefficient. The filter area on the inflow side is smooth and that allows them to be successfully cleaned mechanically and with water stream.

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Maximum work temperature:

SS 304 and 316L	:	480°C
Hastelloy* C-276	:	540°C
Inconel* 600	:	815°C
Hastelloy* X	:	930°C

* names reserved

Maksimum pressure drop

Please consult with the distributor.

Multilayer metal mesh



Microfiber steel



Order information:

	Medium	Type	Lenght [inch]	Material	Micron rating [um]	End caps	O-ring
CHTM	W = micro-fiber	C = cylindrical	5 = 5	04 = SS 304	001 = 1	TC = 222/flat	E = EPDM
	S = mesh	P = pleated	1 = 10	06L = SS 316L	003 = 3	TF = 222/fin	S = silicone
	SZ = sin-tered mesh		2 = 20	Other	005 = 5	SC = 226/flat	V = viton
	M = metal powder		3 = 30		010 = 10	SF = 226/fin	PFA = PFA / viton
	WW = wedge wire		4 = 40		020 = 20	O = double open end	B = NBR
					030 = 30	HF150 = high flow (150mm)	
					050 = 50	UHF130 = high flow (130mm)	
					080 = 80		
					100 = 100		
					150 = 150		
				CUL*			

(*) culinary steam (3A 609-03 standard)