

Metal Powder Sintered Filter Cartridge

Stainless steel powder filter cartridges are manufactured using 316L stainless steel powder as the raw material, with no binders added, through high-temperature vacuum sintering. By selecting and matching the metal powder particle size and process parameters, the pore size and distribution of the filter element can be adjusted. Leveraging the raw material's pore structure, material composition, and compressive strength, porous metal sintered filter cartridges with a wide range of removal ratings are produced.



Product Characteristics

- Exceptional high-temperature resistance performance
- High strength, suitable for high-pressure environments
- Good air permeability and stable separation effect
- Strong impact resistance and high alternating load capacity
- Excellent regeneration effect

Typical Applications

- Filtration of liquid and gases under high temperature and high pressure condition
- Decarbonization filtration of material liquid
- Filtration of strong acid and alkali liquid
- Filtration of steam
- Filtration of oxidizing liquid
- Filtration of high viscosity liquid

Ordering Information

	Material	Length	Removal Rating	End Cap	Seal Material
CRSP	6=316L Stainless Steel	005 = 5"	100 = 1µm	2=222/Flat	S=Silicone
		010 = 10"	300 = 3µm	3=222/Fin	E=EPDM
		020 = 20"	500 = 5µm	6=226/Fin	F=Fluorine
		030 = 30"	H10 = 10µm	7=226/Flat	N=Nitrile Rubber
		040 = 40"	H20 = 20µm		
			H40 = 40µm		

This ordering information serves as a guide for selecting filter cartridge specifications. For other special sizes and custom fittings, please contact pure! GmbH. Some specifications are listed in the table below.

Adaptor Types:

Threaded adaptors:

G1/2, G3/4, NPT1/2, M20, M30, M42

Common filter cartridge adaptors:

222, 226, DOE, etc.

Flange-type adaptors, etc. Other special specifications can be customized.