

106. STAINLESS STEEL WIRE WEDGE FILTER CARTRIDGE

Function:

- Stainless steel wire wedge filter cartridges provide the optimum filtration solution for fluids and gases in high temperature and flow applications.
- High temperature and high pressure applications.
- Stainless steel is ideal for long-term use in particularly aggressive high temperature environments
- Cleanable and regenerable using back flushing, ultrasonic and other commonly used procedures over many cycles ensuring long service life.

Specifications:

- Absolute rating: 50-900 μ
- Filter Material: Stainless steel wire cloth AISI 316L.
- Seal Elastomer: EPDM, Viton, Nitrile
- End connections: NPT, DOE, Code 222, Code 226
- Maximum differential pressure: 20 bar.
- Maximum temperature: 600 °C**
- Inside diameter: 1"

Other Options:*

Outer Dia : 63mm

Material: AISI 316L, AISI 304

Rating: 0.45 μ , 1 μ , 5 μ , 10 μ , 25 μ , 40 μ , 50 μ .

End Connections: 1" BSP (M), 1" BSP(F), Code 222, Code 226

Seal: Buna N, Viton, PTFE, EPDM

O-rings: Buna N, Viton, PTFE, EPDM

Application:

Ideal filtration range: 50-900 μ

Gas:

- Synthetic gas
- Saline gas filtration in silicon production
- Process steam for pharmaceutical
- Air, Nitrogen, Carbon dioxide, Argon, Helium, Ammonia High pressure ethylene.
- Uranium hex fluoride gas and other nuclear application
- High temperature filtration

Liquid:

- Water
- Corrosive Liquids Solvents, Ketones, Esters, Amines, other Hydrocarbons
- Feed water / Make-up water
- Cryogenic fluids
- Ethylene glycol
- Hydrogenation catalyst recovery



GEI Process

L (mm)	D (mm)	Micron Rating (μ)	End connections(A)	
10"(254)	63	5	Refer table below	
20"(508)	63	5	Refer table below	
30"(762)	63	5	Refer table below	
40"(1016)	63	5	Refer table below	
10"(254)	63	10	Refer table below	
20"(508)	63	10	Refer table below	
30"(762)	63	10	Refer table below	
40"(1016)	63	10	Refer table below	
10"(254)	63	50	Refer table below	
20"(508)	63	50	Refer table below	
30"(762)	63	50	Refer table below	
40"(1016)	63	50	Refer table below	

*For other custom options refer below ordering information or contact our application specialist.

** Maximum recommended conditions vary based on the seal and O-ring materials.

ORDERING INFORMATION:

Ex: Part # 106-1-B-1-1-1: Stainless steel wire wedge cartridge-304 material -5 micron-10"DOE seal – EPDM.

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Product code	Material	Micron	Length	End Connection	Seal Material
	1-AISI 304	A-3μ	1-10"	1-DOE/gasket	1-EPDM
	2-AISI 316	B-5 μ	2-20"	2-Single open end w/222	2-Buna N
		C-10 μ	3-30"	3-1" NPT M	3-Nitrile
		D-20	4-40"	4-1' NPT F	4-Viton
		E-40		5-Code 226	
		F-50			
		G-75			
		H-100			
		J-150			

All dimensions are in mm. unless and otherwise specified.

The information contained in this brochure is for guidance only. We reserve the right to modify any material or feature without notice in advance. For further information, please, consult our application specialist