



FILTALLOY TECHNOLOGY

POROUS FILTER ELEMENTS





ABOUT US

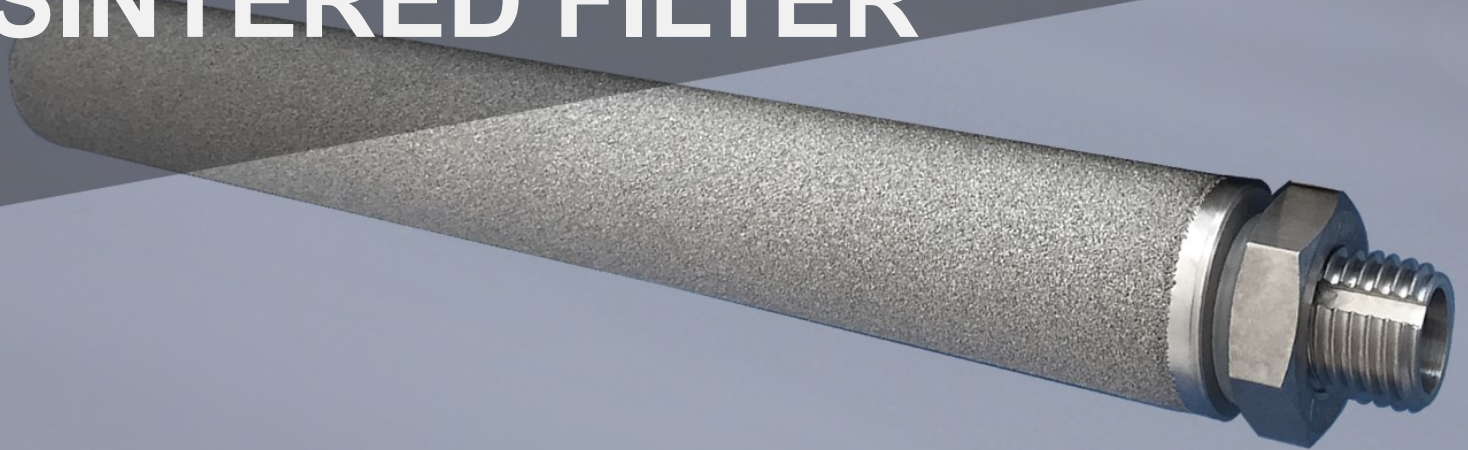
Fitalloy Technology Limited

Fitalloy is an advanced metal filter elements manufacturer & supplier, with more than 20 years of experience. We have introduced the state of art machines and employed experienced technicians to supply high-performance, innovative materials, and solutions for applications in filtration and separation. Our products include:

- | Sintered Mesh Filter
- | Sintered Plate Filter
- | Pleated Metal Filter
- | Sintered Fiber Felt
- | Polymer Filter Elements
- | Polymer Leaf Disc
- | Polymer Extruder Screen
- | Sintered Powder Filter
- | Asymmetric Sintered Metal Filter
- | Hot Gas Filtration Elements
- | Filter Leaf
- | SPL Filter

Our products are widely used in numerous industries including aerospace, oil and gas, petrochemical, water, mine, polymer, food & beverage, automotive, and many other filtration and separation industries. With so many applications, we have built the R&D, design, machining, sales, and quality control departments. With the design and tailored solutions, we then translate them into high-level products. And our team has been learning about the forefront of filtration technology from industrial leading companies. Here customers could get high-quality products at an economic price!

POROUS SINTERED FILTER



The material is different from sintered wire cloth. Porous sintered filter elements had following features: Fine filtration; Uniform pore size; Seamless tube to resist high pressure drop

Applications:

Gas, steam, fine chemical, solid filtration, etc

MATERIAL	SS304, 316, 316L; Titanium; Brass, Nickle200; Monel400; Hastelloy C276, C22; Inconel600, 625, 690; Alloy 20, etc.
FILTRATION	Min. 0,1um
POROSITY	≥50%

Connectors of porous metal filter:

These connectors are usually type. Other kinds could be customized.



Porous Instrument Filters

Application: In-line filtration, detecting temperature and humidity, protect pump chromatography solvents



Brass Silencer

Application: Sound reduction for pneumatic devices



Sintered porous sparger



Stainless steel solvent inlet filters



Porous metal filter cartridges



Porous metal filter discs



Porous flame arrestor



Titanium aeration

Liquid Particle Capture Efficiency					
Filter Media Grade	Wall thickness		Particle size(um)		
	inch	mm	Initial collection efficiency		
			90%	99%	99.90%
0.1	0.039	0.99	0.15	0.4	0.8
0.2	0.039	0.99	0.5	0.9	1.4
0.5	0.047	1.19	1	1.7	2.2
1	0.047	1.19	1.5	2.2	3.3
2	0.062	1.57	4	5.5	9
5	0.062	1.57	5	8	13
10	0.062	1.57	10	15	20
20	0.062	1.57	20	25	35
40	0.078	1.98	25	35	45
100	0.093	2.36	50	100	150
Note: 1. Test standard ASTM F795 2. Test at 1gpm/ft ² 3. ISO A2 or A3 test dust suspended in water					

Gas Particle Capture Efficiency					
Filter Media Grade	Wall thickness		Particle size(um)		
	inch	mm	Initial collection efficiency		
			90%	99%	99.90%
0.1	0.039	0.99	>99.9 %	>99.9 %	>99.9%
0.2	0.039	0.99	>90%	>99%	0.2
0.5	0.047	1.19	>90%	0.25	0.3
1	0.047	1.19	>90%	0.35	0.7
2	0.062	1.57	0.3	0.6	2
5	0.062	1.57	0.8	2	5
10	0.062	1.57	4.5	8	13
20	0.062	1.57	8	12	20
40	0.078	1.98	12	25	45
100	0.093	2.36	20	40	100
Note: Test at 6acfm/ft ²					

FILTALLOY



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