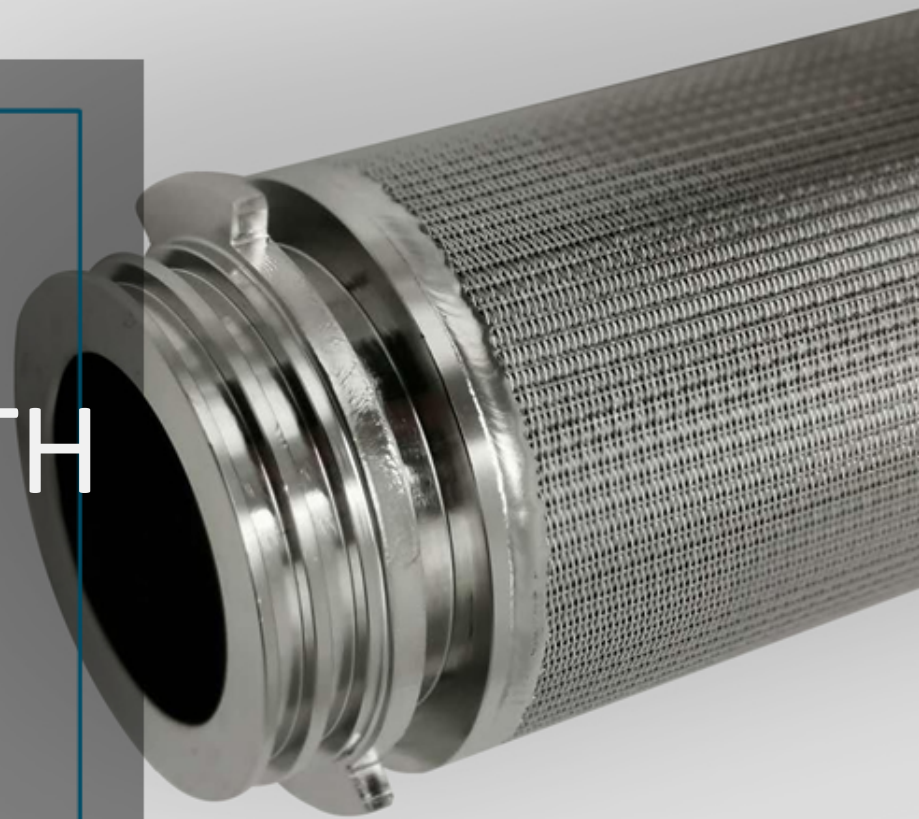




FITALLOY TECHNOLOGY

# SINTERED MESH CLOTH & FILTERS





# 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!

# SINTERED MESH CLOTH & FILTER

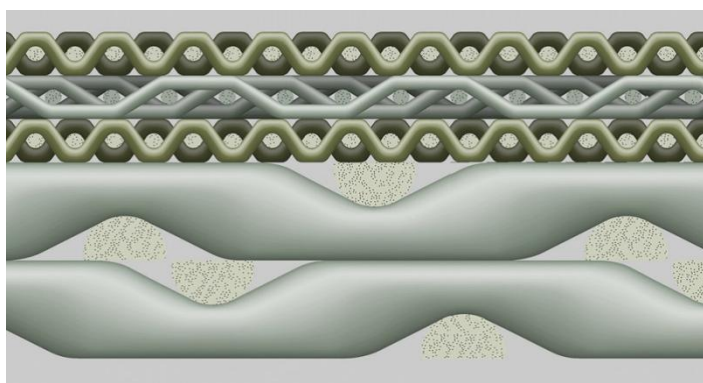
Fitalloy manufacture the sintered powder filter plate and sintered wire cloth, which are mainly used for gas and liquid filtration.

Sintered mesh cloth is usually constructed by 2 - 7 layers of stainless steel wire mesh, also can be combined with perforated (punching) sheet with higher strength.

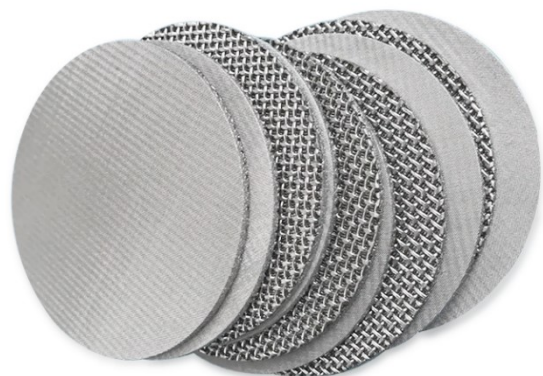
## Features:

- ✓ High strength to resist high differential pressure
- ✓ Cleanable and long lifespan

<b>MATERIAL</b>	Stainless steel 304 or 316
<b>FILTRATION</b>	1-100um
<b>WALL THICKNESS</b>	0.7-10mm
<b>PLATE SIZE</b>	500×1000mm,600×1200mm,1000×1000mm, 1200×1500mm not welding together. Other sizes could also be customized



Sintered Candle Filter Elements



Sintered Mesh Disc

**HOT SALE PRODUCTS**

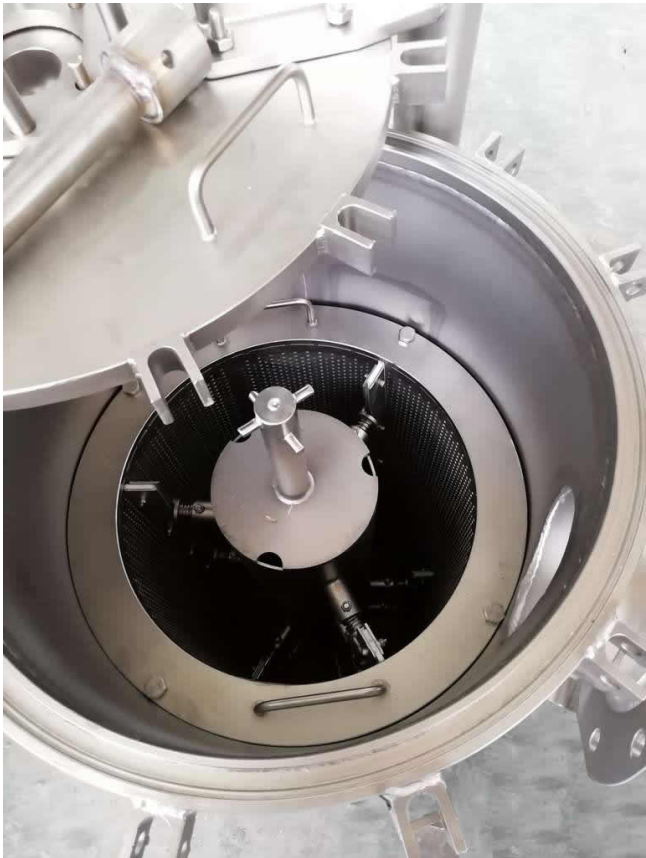


**Sintered Suction Filter Elements**



**Sintered Cylinder Filter Elements**

**APPLICATIONS**



**Automatic Self-Cleaning Filter Elements**



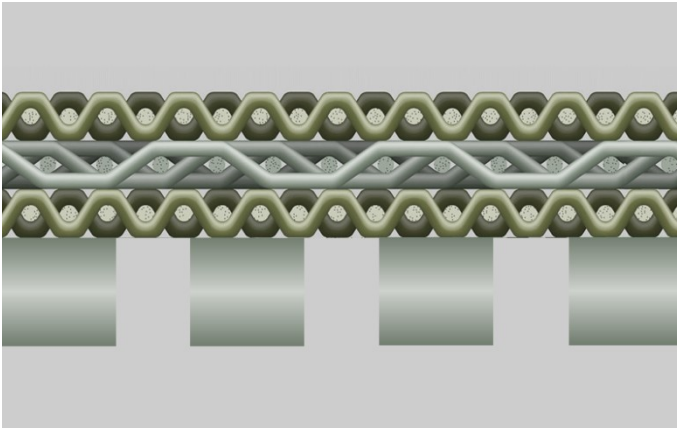
**Candle Filter Elements**

Standard Five-Layer Sintered Wire Cloth					
Model	Nominal Rating	Structure	Thickness	Air Permeability	Bubble Point Pressure
	μm		mm	l/min/cm <sup>2</sup>	mmH <sub>2</sub> O
SMF5-1	1	100+400×2800+100+12×64+64×12	1.7	1.81	360-600
SMF5-2	2	100+325×2300+100+12×64+64×12	1.7	2.35	300-590
SMF5-5	5	100+200×1400+100+12×64+64×12	1.7	2.42	260-550
SMF5-10	10	100+165×1400+100+12×64+64×12	1.7	3	220-500
SMF5-15	15	100+165×1200+100+12×64+64×12	1.7	3.41	200-480
SMF5-20	20	100+165×800+100+12×64+64×12	1.7	4.5	170-450
SMF5-25	25	100+165×600+100+12×64+64×12	1.7	6.12	150-410
SMF5-30	30	100+400+100+12×64+64×12	1.7	6.7	120-390
SMF5-40	40	100+325+100+12×64+64×12	1.7	6.86	100-350
SMF5-50	50	100+250+100+12×64+64×12	1.7	8.41	90-300
SMF5-75	75	100+200+100+12×64+64×12	1.7	8.7	80-250
SMF5-100	100	100+150+100+12×64+64×12	1.7	9.1	70-190

**Note:** Weight kg/m<sup>2</sup>, 5 layers sintered 8.4kg; 6 layers sintered 14.4kg  
Add another layer of 12 mesh to resist high pressure. Thickness reaches 3.5mm

Data Sheet of 2-7 Layers Sintered wire cloth					
Item	Filter rating(um)	Structure (mesh /inch)	Thickness (mm)	Porosity (%)	Weight (kg/m <sup>2</sup> )
SMF2-T0.5	2-100	Filter layer+60	0.5	60	1.6
SMF3-T0.7	2-100	60 +Filter layer+60	0.7	56	2.4
SMF3-T1.0	2-200	50 +Filter layer+20	1.0	58	3.3
SMF3-T2.0	2-200	Filter layer +20 +8	2.0	58	6.5
SMF4-T1.0	2-200	60 +Filter layer+40 +20	1.0	45	4.4
SMF4-T1.7	2-200	40 +Filter layer +20 +16	1.7	55	6.2
SMF5-T1.9	2-200	30 +Filter layer+ 60 +20 +16	1.9	52	5.3
SMF5-T2.5	2-200	80 +Filter layer +30 +10 +8	2.5	55	8.8
SMF7-T2.0	2-200	50 +filter layer+ 40 +20 +40 +filter layer+50	2.0	58	7.4

**Note:** 1. Filter layer could be customized according to your demand.  
2. Other layer structures could be adjusted based on your specific requirement.



Technical Data Sheet of Sintered wire cloth and Perforeated Plate					
Model	Filter Rating (μm)	Structure	Thickness (mm)	Weight (kg/m <sup>2</sup> )	Porosity (%)
SMF-T2	2-200	30 +filter layer +30 +D4×P5×T1.0	2	6.7	57
SMF-T2.5	2-200	30 +filter layer +30 +D5×P7×T1.5	2.5	9.8	50
SMF5-T3	2-200	60 +filter layer +60 +20 +D6×P8×T2.0	3	11.9	50
SMF5-T3.5	2-200	20 +filter layer +20 +10 +D8×P10×T2.0	3.5	12.6	54
SMF5-T4.0	2-200	20 +filter layer +20 +10 +D8×P10×T2.5	4	14.2	55
SMF5-T4.3	2-200	20 +filter layer +20 +10 +D10×P13×T3.0	4.3	16.8	50
SMF5-T5.3	2-200	20 +filter layer +20 +10 +D10×P13×T4.0	5.3	20.6	51

**Note:** Other structures could also be customized  
It's suitable for higher differential pressure drop application.



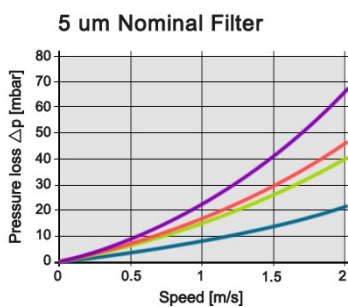
Coal Mine Filter Element



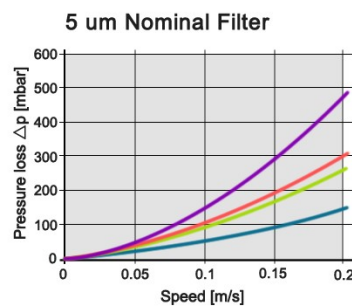
Water Filter Element



Backwash Filter Element



Air Flow Pressure Loss



Water Flow Pressure Loss

Color	Thickness	Layer
—	1.7mm	10
—	1.7mm	5
—	1.7mm	7
—	2.5mm	5

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