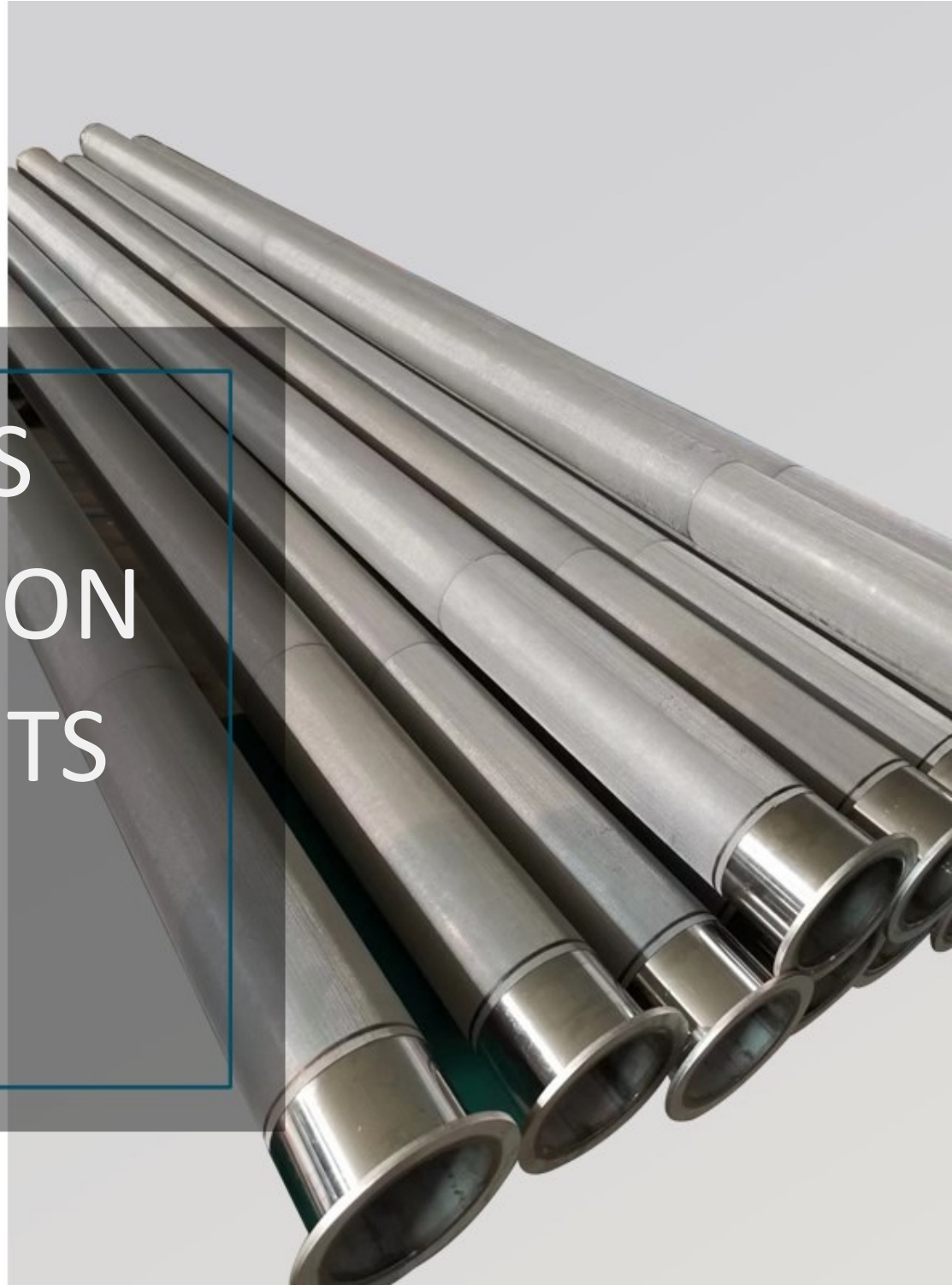




FITALLOY TECHNOLOGY

HOT GAS FILTRATION 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!

HOT GAS FILTRATION ELEMENTS

Hot gas filtration elements is one kind of sintered metal filter, with Asymmetric metal film. It's to replace the filter bags for high temperature application in bag dust collector.

Advantages:

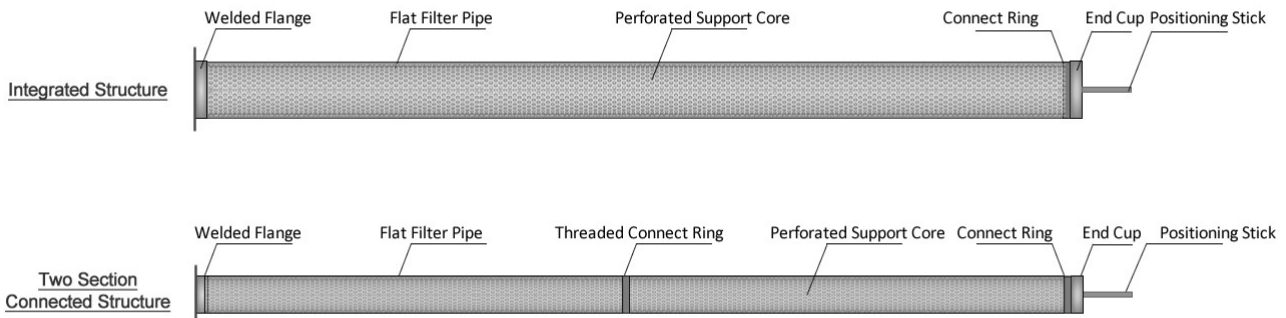
- ✓ Easy to install, panel holes don't need to change
- ✓ High strength to resist high-pressure drop
- ✓ Excellent material to resist high temperature
- ✓ Resist corrosion
- ✓ Filtration efficiency > 99.99%.
- ✓ Emission level reaches government requirement, 5mg/m³
- ✓ Filtration: less than 1um
- ✓ Resist to heat shock
- ✓ Fire-proof
- ✓ Cleanable, online clean and offline clean
- ✓ Longer lifespan

Applications:

- ✓ Cement industry
- ✓ Alumina Oxide
- ✓ Power generation
- ✓ Metallurgical industry
- ✓ Desulfurization denitration process
- ✓ Waste incineration furnace
- ✓ Catalyst recovery
- ✓ Glass industry



Parameter of Hot Gas Filtration Elements				
Material Capacity	Unit	SS316L	310S	0Cr21Al6
Material Density	g/cm ³ @20°C	7.98	7.98	7.16
Melt point temperature	°C	1400-1450	1400-1450	1500
Oxidation temperature	°C	400	600	800
Restoration temperature	°C	550	800	1000
Thickness	mm	0.65	0.65	0.65
Porosity	%	75	75	68
Air permeability	m ³ /m ² /min @0.2Kpa	21-27	21-27	21-27
Filtration efficiency	%	>99.99	>99.99	>99.99
Emission	Mg/m ³	<5	<5	<5
Tensile strength	N/mm ²	>=20	>=20	>=20
Test standard: BS 2782				
Application environment: Al₂O₃ dust, wind speed 1.75-3m/min, dust density 10g/m³				



Specification of Hot Gas Filtration Elements				
Product ID	OD (mm)	ID (mm)	Length (mm)	Filtration Area (m ²)
HGF-130/1500	130	128	1500	0.61
HGF-160/1500	160	158	1500	0.75
HGF-130/3000	130	128	3000	1.22
HGF-160/3000	160	158	3000	1.5
HGF-130/4000	130	128	4000	1.63
HGF-160/4000	160	158	4000	2.01
HGF-130/5000	130	128	5000	2.04
HGF-160/5000	160	158	5000	2.51
HGF-130/6000	130	128	6000	2.45
HGF-160/6000	160	158	6000	3.01
HGF-60/1500	60	56	1500	0.28
HGF-60/2000	60	56	2000	0.38
HGF-60/3000	60	56	3000	0.57

FILTALLOY



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