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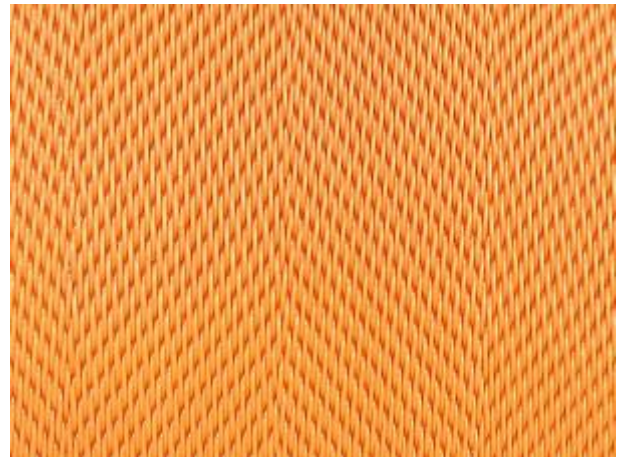
**Vacuum Filter Belts**  
**Desulfurization Mesh Belts**



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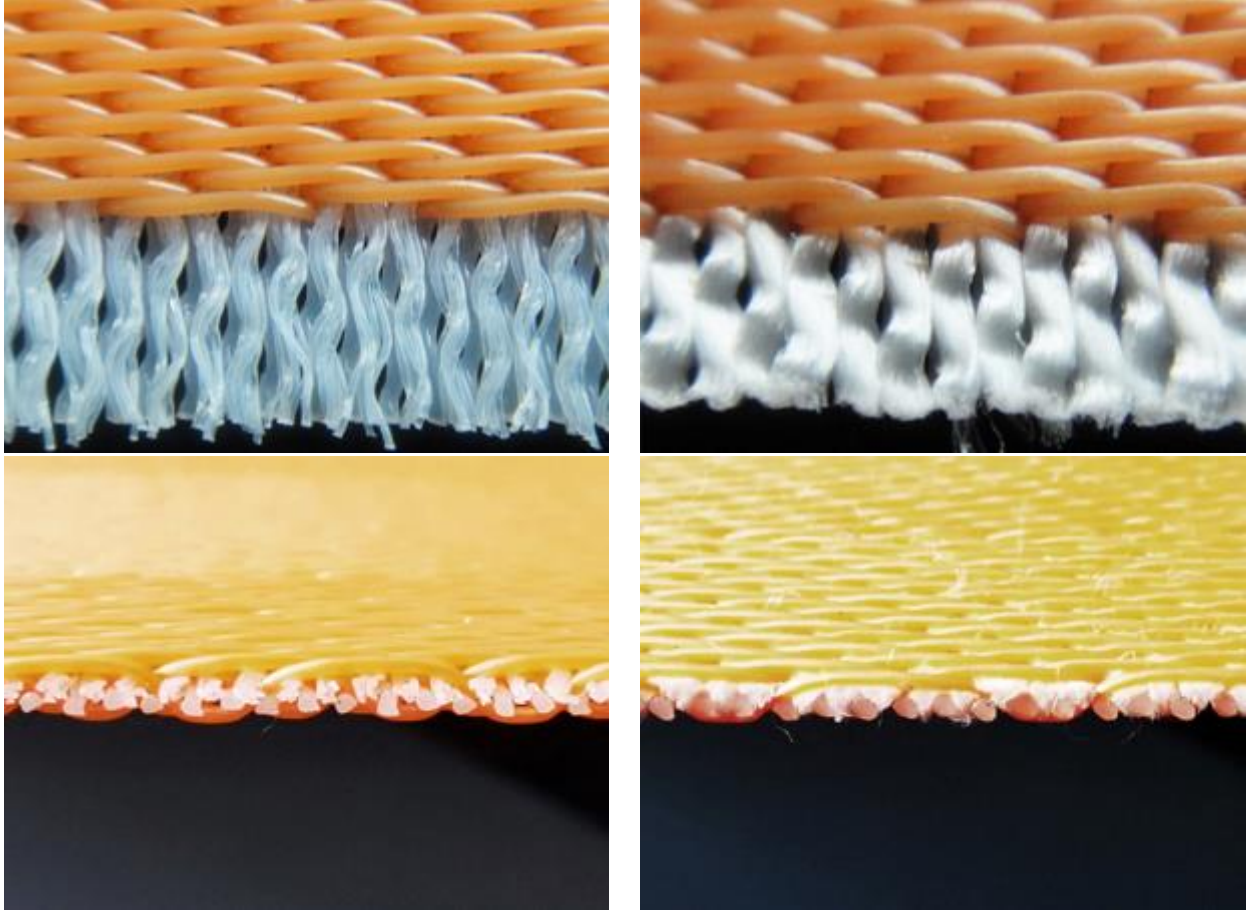
## Description

Vacuum filter belt is also called desulfurization belt. Vacuum filter belts are specifically designed for the separation of solids from fluids in horizontal belt filter systems. Vacuum Filter Belt is mainly used for FGD in power plant, mine tailings disposal, metallurgical, chemical, coal chemical industries, and Vacuum Filter Belt can also be used in food, pharmaceutical, environmental protection, and other solid-liquid separation industries.



The vacuum filter belt is made of high-strength polyester yarn and multifilament, double-layer interweaved, on the basis of retaining fine particles, ensuring air permeability, which can greatly improve the efficiency of the production enterprise.

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## Feature

- Using high-strength polyester raw material, greatly improves wear resistance of filter belt, smooth surface, easy to clean.
- The steel clip connection uses industrial-specific 316L stainless steel, which has high strength and can resist strong acid and alkali corrosion.
- Vacuum Filter Belt have the characteristics of stable running, not easy to wrinkled, high filtration rate and it can peel off easily from the filter cake.
- Vacuum filter belt made from mixed polyester mono-filaments and multifilament, performs



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excellent in areas of flue gas desulfurization and filtration such as sludge dewatering.

- Vacuum filter belt can meet different filtration accuracy requirements (2-100 $\mu$ m).
- Good wear resistance, good acid and alkali corrosion resistance, thickness more than 1.6mm, greatly enhance the service life of the vacuum filter belt.

## Application

Polyester vacuum filter belts Mainly matching with vacuum rubber belt filter, horizontal vacuum belt filter, vacuum drum filter and vertical filter press. Mainly used in the following industries:

- **Power plant desulphurization.** Vacuum filter belts widely used in flue gas desulfurization, limestone-gypsum dehydration in wet desulfurization with horizontal vacuum belt filter..
- **Sludge dewatering.** Vacuum filter belts widely used in the sewage sludge treatment plant, power plant, steel plant, papermaking, mining, metallurgy, petroleum and other industries.
- **Process filtration for large-scale industrial production.** Compatible with a wide range of filter types, vacuum filter belts widely used in filtration of tailings, coal washing, pulp washing, alumina, and other industries.



# PFM SCREEN

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## Specifications

Model	Filament diameter (mm)		Density (wire/cm)		Strength (N/cm)		Weight (Kg/m <sup>2</sup> )	Thickness (mm)	Air permeability (m <sup>3</sup> /m <sup>2</sup> h)	Filtration accuracy (um)
	warp	waft	warp	waft	surface	joint				
27508	Flat yam 50*32	6*0.18+0.5	28.5	25	2200	1000	1.2	1.95	1600	50-80
27508-1	Flat yam 50*32	600D filament +0.5	28.5	21	2200	1000	0.9	1.9	720	20-50
27508-2	Flat yam 50*32	600D filament +0.5	28.5	25	2200	1000	1.3	2	280	2-10

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