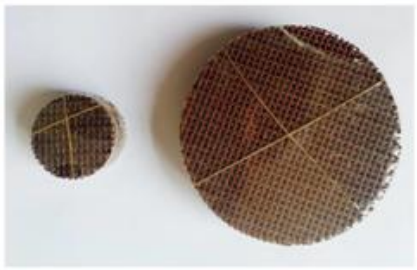
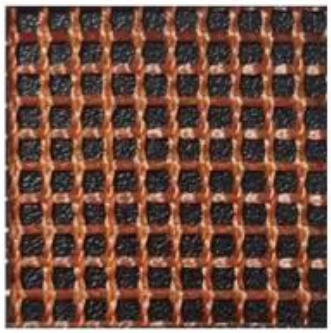
Fiberglass Mesh Filter



Above - standard resin coated high silica mesh(dark brown colour)

Above - smokeless carbonized treated - premium type(black colour)

Molten aluminum filtration



Molten iron filtration

Molten steel filtration

The fiberglass mesh filter for casting is made of high-temperature resistant fiber mat erial, coated with a special process and subsequent processing. It is convenient to us e, can effectively remove non-metallic impurities in molten metal, reduces turbulenc e, eliminates casting pores, keeps metal elements stable, and has good high-tempera ture resistance and chemical stability. The fiberglass mesh filter can be widely used in the filtration of molten iron castings, aluminum castings, steel castings, and other all oy castings.

Features:

1. Effectively get rid of the blister, oxide with dust and such kind of impurity in molten metal, by this to erase the residue hole, sand hole, gas hole of the casting ultimately, so that improve the inside and blanket quality of the casting, the finished-products either.
2. Improve the mechanical ability of casting: increasing the stiffness of casting, further more, the blanket becomes more homogeneous and strength of resisting bend has improved.
3. Change the carbon form of casting, in order to decrease the size of carbon,

reduce the thickness and make the figure flexuous slightly.

4. Alter the mechanical manufacture capability of casting, improve the efficiency of processing.

Main products: Molten Aluminum filtration, Molten steel filtration, Molten Iron filtration, Molten Copper filtration, Cap-filter net, etc.
The sizes and shape can be cut according to customer's requirement.
The hole sizes: 1.0x1.0, 1.2x1.2, 1.5x1.5, 2.0x2.0, 2.5x2.5, etc.

Product name	Technical index				
	Working temperature	**Melting point**	**Sustaining working time**	**Tensile strength**	**Application**
Steel fiberglass mesh filter	1600-1620	1700	5 minutes	16	Carbon steel,stainless steel casting filtering
Iron fiberglass mesh filter	1400-1450	1700	10 minutes	8	Grey iron, nodular iron and small size steel casting filtering
Copper fiberglass mesh filter	1200	1700	10 minutes	6	Copper alloy casting filtering
Alumina fiberglass mesh filter	700-800	900	10 minutes	6	Aluminum alloy casting filtering
Cap-style mesh filter	-	-	-	-	Various casting filtering

Application

Product name	Mesh size(mm)	Application range
Steel fiberglass mesh filter	1.5×1.5	Small and medium steel castings Large cast iron castings
	2.0×2.0	
	2.5×2.5	
Iron fiberglass mesh filter	1.5×1.5	Small and medium gray iron castings Iron alloy castings<100kg
	2.0×2.0	Grey iron castings<100kg Iron alloy castings 100kg-300kg
	2.5×2.5	Ductile iron castings 100kg-250kg
Copper fiberglass mesh filter	1.5×1.5	Copper-alloy castings
	2.0×2.0	
	2.5×2.5	
Alumina fiberglass mesh filter	0.8×0.8	Aluminum alloy castings
	1.0×1.0	
	1.2×1.2	
	1.5×1.5	
	2.0×2.0	
	2.5×2.5	

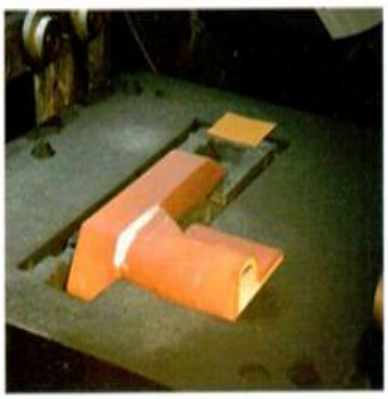
Silica Casting mesh filter cup

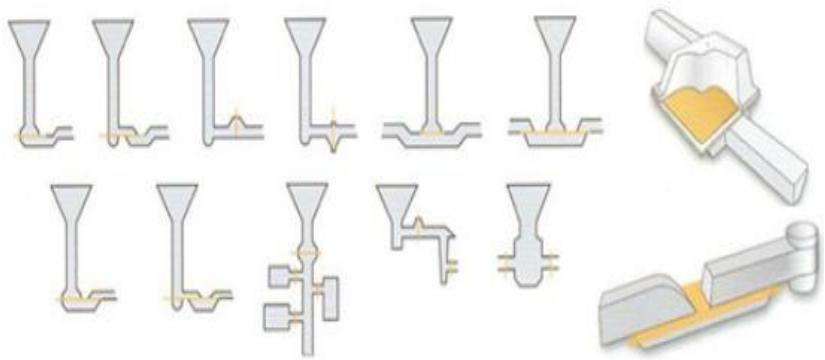
Silica mesh in cup style shapes, specially designed for casting filtration.
In metal filtration, filter cups provide several unique advantages that ceramic foam and cellular filters do no, as follows:

- Best results with hot topping a filter cup can easily be removed after the pour so that there is no metal flow restriction during the exothermic action of the hot topping.
- No custom pour cone required foundries using ceramic foam or cellular filters typically have to use custom-made pour cones that have a small ledge added to the inner wall of the bottom for the filter to sit on.
- Silica mesh filter cups can sit on the top of any standard pour cone.
- No pre-heat required-unlike ceramic foam or cellular filters,silica mesh filter cups can be placed in the pouring cone just prior to the pour.

Fiberglass mesh filter use and installation

The mesh filter is best to be placed the mold cavity or as close as possible to the castings. Filter may be placed at the intersection between the pouring cup and runner. Historically, the best filtration results have been achieved by placing the filter as close to the ingate as possible. Fiberglass filter can be located anywhere within the pouring system. The best results are obtained when the filter is placed as close as practical to the ingate.





Foundry
Filter Master
MAX

Fiberglass Mesh Filter Application

Cangzhou Sefu Ceramic New Materials Co., LTD.