

Foam Filters CF-1 and CF-2 “Iron&Steel Casting”

CF-1 foam filters are widely used for the production of steel casting parts. These filters are alumina-based products, reinforced by zirconium, containing no binder. Having very high resistance to the thermal shocks, CF-1 filters are used up to 1650 °C.

CF-2 foam filters are silicon carbide-based and fall in the appropriate class for production of gray and ductile cast iron parts, containing no binder. Having high resistance to the thermal shocks, these filters are used up to 1490 °C.

Benefits

The foam filters control the liquid metal flow from the crucible to the mould and thus filter any non-metallic parts and inclusions in the liquid metal. Thus it becomes possible to produce cleaner cast parts, reducing the defective product rate significantly.



CF-1 and CF-2								
	Shape	Thickness		Dimensions			Pore Size (ppi)	Other
		inch	mm		inch	mm		
CF-1	Square	0,50	12,7	Length	1,5 - 8	38-200	10 - 50	Customized production is performed at request.
		0,88	22,3					
CF-2	Circular	1,00	25,4	Width	1,5 - 8	38-200		
		1,25	31,7					
		1,50	38,1					
	Rectangular	1,50	38,1	Diameter	1,0 - 7	25-188		
		1,75	44,5					

Filter Clothes for Molten Aluminium



Removal of impurity, inclusion and slag in the aluminium casting process, in other words, filtering the liquid metal prior to casting is quite necessary. Being inevitable to improve the casting quality and eliminate the undesired particles, this process is performed by the foam filters or filter clothes, a more cost-effective solution.

Molten aluminium filter clothes are made of glass fibres coated with phenolic resin or chemical melamine in order for them to protect their structure during filtering operation. Filters are offered in various dimensions and mesh sizes according to the customer requirements.

Standard Dimensions

Mesh Size (mm)	Length x Width (m)
1x0,95	100x0,75
1x0,95	100x1,50
1x1,50	100x0,75
1x1,50	100x1,50

General Characteristics

- Customized production.
- Easy application.
- Low cost.
- High metal quality.
- Low metal turbulence.

The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.