



HIHGUAN METAL & MATERIAL CO., LTD.

JHIH GUAN® JHIHGUAN INTERNATIONAL TRADING CO. LTD.

**志冠金屬材料有限公司
志冠國際貿易有限公司**

1F, #71, CHUANGSIN RD., NANZIH DIST., KAOHSIUNG CITY 811,
TAIWAN, R.O.C.

E-mail: jhihguan.metal@yahoo.com

CERAMIC FOAM FILTERS

Ceramic Foam Filter are used to remove the impurities and inclusions from the melt. Typically efficiency increased as filter pore size and the velocity of the melt in the filter decrease.

SIC based foam filters, with high thermal shock resistance which can be up to 1500°C, are mainly used in the production of grey and nodular cast iron and aluminum and copper alloy etc,

Zorconia based foam filters, with high thermal shock resistance which can be up to 1700°C, are widely used in super alloy, steel alloy and Ni casting industry,

High Purity Alumina based Foam Filters are phosphate-bonded products which are used in aluminum and non-ferrous alloy smelting industry.

FILTER SPECIFICATIONS							
Material	Shape	Thickness		Dimensions	Dimensions		Pore grade
		Inch	mm		Inch	mm	ppi
SIC (碳化矽) (60-65% SIC+ 35-40% Al2O3) ZORCONIA(氧化鋯) (97% ZrO2 + 3% MgO)	Square	0.50	12.70	Length	1.50-8.00	38-200	10-50 ppi
		0.88	22.30		Width	1.50-8.00	
	Rectangular	1.00	25.40	Diameter	1.00-7.00	25-188	
		1.25	31.70				
		1.50	38.1				
		1.75	44.50				
Customized spec. can be supplied upon request							

FILTER SPECIFICATIONS					
Material	Shape		Length x Width x Thickness		Pore grade
			Inch	mm	ppi
Alumina(氧化鋁) (92% Al2O3) (99% Al2O3)	Rectangular		17 x 17 x 2	432 x 432 x 50 ±2	20
			20 x 20 x 2	508 x 508 x 50 ±2	30
			23 x 23 x 2	584 x 584 x 50 ±2	40 - 50
			15 x 15 x 2	381 x 381 x 50 ±2	10 - 20 30 40
			12 x 12 x 2	305 x 305 x 50 ±2	10 - 20 30 40
			9 x 9 x 2	228 x 228 x 50 ±2	20

类别 \ 型号 MODEL	12 "	15 "	17 "	20 "
Size:mm	305×305×50	381×381×50	432×432×50	508×508×50
Flow Rate: MT/per Hour:	20ppi 8-12	20ppi 14-18	20ppi 18-24	20ppi 25-30
	30ppi 4-8	30ppi 12-16	30ppi 16-22	30ppi 25-30
	40ppi 3-6	40ppi 8-12	40ppi 16-20	40ppi 20-25
	Filting amount of melt aluminum / MT 可过滤 铝液总量: 吨	15	25	35