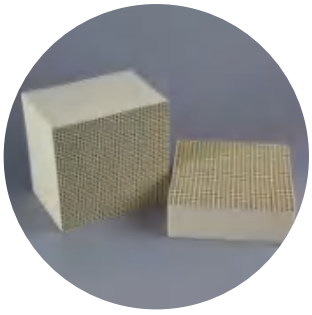
Industrial Filters

We supply wide range of filters, filter housing assemblies, filter elements and accessories for all industries.

DUST TREATEMENT SOLUTIONS

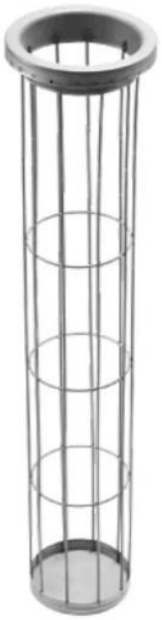


Honeycomb SCR Catayst

Filter Bag

Filter Cloth

- Oil & Gas Industries
- Power Generation
- Petroleum Industries
- Cement & Gypsum Industries
- Waste Incineration
- Steel Plant
- Heavy Equipments
- Marine
- Food and Beverage Industries
- Water Purification
- Air Filtration
- Airports & Aviation
- HVAC Systems



Filter Cage

Dust Filter Cloth Selection Guide

Media Offered		Polypropylene	Polyester	Acrylic	Aramid	PPS	Polyimide (P84)	FMS	PTFE	Fiberglass
Abrasion		Excellent	Excellent	Good	Excellent	Good	Fair	Fair	Good	Fair
Energy Absorption		Good	Excellent	Good	Good	Good	Good	Fair	Good	Fair
Filration Properties		Good	Excellent	Good	Excellent	Excellent	Excellent	Good	Good	Good
Moist Heat		Excellent	Poor	Excellent	Good	Good	Good	Excellent	Excellent	Excellent
Alkaline		Excellent	Fair	Fair	Good	Excellent	Fair	Fair	Excellent	Fair
Mineral Acids		Excellent	Fair	Good	Fair	Excellent	Good	Poor	Excellent	Excellent
Oxygen (10%+)		Excellent	Excellent	Excellent	Excellent	Poor	Excellent	Excellent	Excellent	Excellent
Weight(g/m)		500	500	550	500	500	500	900	750	750
Thickness (mm)		2.3±0.3	1.9±0.2	2.3±0.3	1.9±0.2	1.9±0.2	2.3±0.3	3.0±0.2	1.0±0.2	0.8±0.1
Air Permeability (L/dm2/min)		150-210	150-210	150-210	120-180	120-180	120-180	150-210	70-150	20-50
Tensile Strength (N/ 5*20cm)	Warp	≥1000	≥1200	≥800	≥800	≥900	≥800	≥2000	≥800	≥3600
	Weft	≥1100	≥1400	≥1000	≥1100	≥1200	≥900	≥2000	≥800	≥3600
Elongation at Break (%)	Warp	≤30	≤30	≤30	≤30	≤30	≤30	≤1	≤10	≤1
	Weft	≤90	≤50	≤50	≤50	≤50	≤50	≤1.5	≤30	≤1.5
Temperature (℃)	Continuous	90	130	125	204	160	240	240	260	260
	Peak	110	150	140	240	190	280	260	280	280
Shrinkage(%)		2	2	2	2	2	2	1	2	1
Optional Finish Treatment		Singeing、Calendering、Heat-set、Anti-Static、Water Oil Proof Fire Proof、PTFE Impregnation、PTFE Memebrane								PTFE Impregnation PTFE Memebrane Acid Resistance

Dust Filter Bags

PPS–PTFE Compound Filter Bag

Polyester with PTFE Membrane Filter Bag

Polyester Antistatic Filter Bag

Aramid Filter Bag

Acrylic Filter Bag

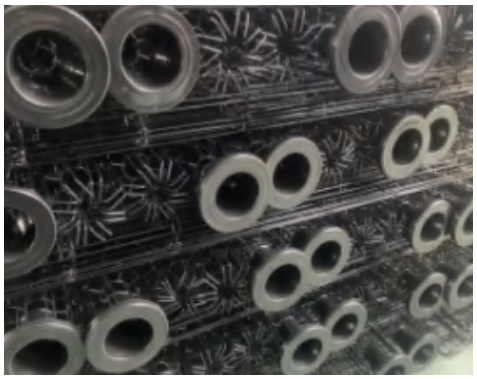
FMS Filter Bag

P84 Filter Bag

P84 with PTFE Compound Filter Bag

PTFE Filter Bag

Dust Filter Cage in Carbon Steel and Stainless Steel



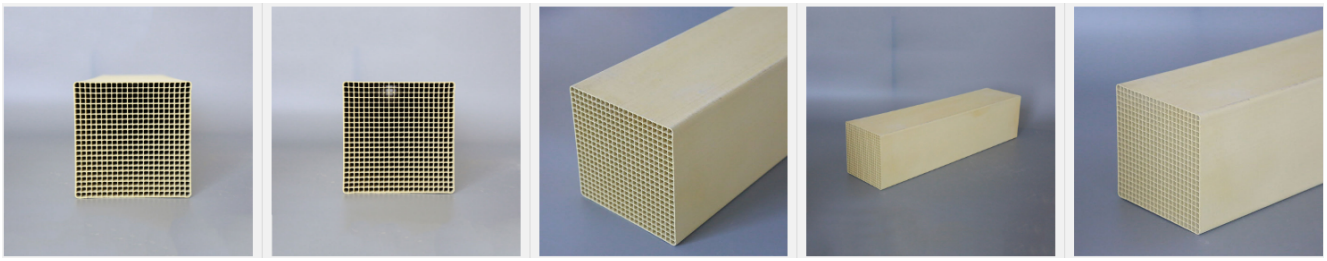
Multi Point Welded
Spray Pastic /Spray painting/ Silicon Coating Surface finish

Design Parameters for Bag Filters

Item	Parameters		Unit	Parameter	Remark
1	**Inlet SomkeVolume**		m3/h		
2	**Inlet Dust Concentration**		g/Nm3		O_2: %, Standard, Dry
3	**Outlet Dust Concentration**		mg/Nm3		O_2: %, Standard, Dry
4	**Inlet Gas Temperature**	**Continuous**	℃		
		Peak			
5	**Air Leakage Rate of Baghouse**		%		
6	**Dust Removal Method of Baghouse**		/		
7	**Gas to Cloth Ratio (Filtration Velocity)**		m/min		
8	**Gas NO_2 Concentration**		mg/Nm3		
9	**Gas SO_2 Concentration**		mg/Nm3		O_2: %，Standard, Dry
10	**Gas SO_3 Concentration**		mg/Nm3		O_2: %，Standard, Dry
11	**Outlet Gas Temperature**		℃		BMCR
12	**Gas Oxygen Content**		%		BMCR, Dry
13	**Gas Water Content**		%		BMCR, Dry
14	**Applied Industry**		/		
15	**Fuel Type**		/		

Selective Catalytic Reduction (SCR) Honeycomb SCR Catayst

In the selective catalytic reduction method the NOx concentration in the flue gas is reduced through injection of ammonia in the presence of a catalyst.



specifications & technical index of honeycomb SCR catalyst

No of Holes (PCS)	Cross Section (mm)	Hole Dia. (mm)	Wall Thickness (mm)	Catalyst Pitch (mm)	Open Porosity (%)	Specific Surface Area (m2/m3)	Applicable Scope
15×15	150×150	8.45	1.35	9.8	71.4	338	Coal fired unit, high smoke dust
16×16	150×150	8	1.2	9.2	72.82	383	
18×18	150×150	7.1	1.1	8.2	72.6	409	Coal fired unit, medium dust
20×20	150×150	6.4	1	7.4	72.82	469	
21×21	150×150	6.1	0.95	7.05	72.93	478	Coal fired unit, low smoke dust
22×22	150×150	5.8	0.9	6.7	72.36	499	
25×25	150×150	5	0.9	5.9	69.44	577	Coal fired unit, very low dust
30×30	150×150	4.1	0.8	4.9	67.24	693	Oil fired unit, very low dust
35×35	150×150	3.65	0.55	4.2	72.53	795	
40×40	150×150	3.2	0.5	3.7	72.82	910	Natural gas fired unit
45×45	150×150	2.78	0.5	3.28	69.56	1000	
55×55	150×150	2.2	0.5	2.7	65.07	1275	

Unit catalyst size:150×150×(length 300-1350) mm.

According to the customer's requirements, we can produce different pitch and formulations of honeycomb SCR de NOx catalyst.

The choice of pitch is optimized after the study of the flue gas composition and the allowable pressure drop across the SCR reactor

Design Parameters for Honeycomb SCR Catayst

Item	Parameters	Value	Remark
1	Contact person and contact Phone Number		
2	**Kiln type**		For example: Lime Kiln
3	**Fuel Type**		
4	**Environmental protection process route**		Non-electric industry needs to provide: dust removal type, de-sulfurization type, process route layout, for example: SDS dry + dust collector bag-house +SCR
5	**Standard Smoke volume (wet base)（Nm3/h）**		Please offer standard smoke volume(wet base) directly, or offer both working smoke volume and flue gas temperature
	Working smoke volume		
	Flue Gas temperature		
6	**Denitration operating temperature(℃)**		Long-term operating temperature is required
7	**Denitrification inlet NOx concentration（mg/Nm3,Standard oxygen content%O2）**		
8	**Denitration inlet SO2 concentration（mg/Nm3）**		
9	**Dust concentration at denitration inlet（mg/Nm3）**		
10	Denitration inlet moisture content (%)		
11	**Denitrification outlet NOx concentration（mg/Nm3,Standard oxygen content%O2）**		
12	Ammonia escape rate（ppm）		3ppm default if not fill
13	SO2/SO3 conversion rate requirements		0.4-0.5% is reasonable per layer

Design Parameters for Honeycomb SCR Catayst

Item	Parameters		Value	Remark
14	Original catalyst parameters	Original catalyst unit size		These details need be provide when it is an extra added or technical renovation case
15		Original catalyst module size		
16		Original Catalyst overall arrangement		
17		Qty of Original Catalyst layer		
18		Original Catalyst Holes		
19		Original Catalyst Volume(CBM)		
20		Description of original catalyst usage		
21	Requirements for reactor size			
22	Number of catalyst holes required			
23	Number of catalyst layers required			
24	**Special components in flue gas**			For glass kilns, refractory kilns and biomass kilns, it is necessary to specify whether there is fluoride, tar, and volatile organic compounds generated by incomplete combustion in the flue gas. Otherwise, it is not contained by default

Note: Bold fields are required