V&S EQUIPMENT INC.

DUST FILTER BAGS DFB TYPE

W&S EQUIPMENT INC.

W&S Equipment INC. Was born with the focus on providing the best solutions on industrial applications. With the advantage of having a work team from different industrial backgrounds, in which experience and knowledge was collected for many years, this turned into a resource that will bring the edge when supplying the products and / or services we can provide to our customers. We have the commitment to establish long-term business relationships that can work for both parties, aiming for win-win situations that can help establish good and healthy environments for us in the company and for people connected with our work.
You are welcome.

Contacts

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www.wsequip.com

Vision

Our vision is to be amongst the leading corporations in the supply of goods and services related to valves, their components and industrial equipment in general. We want to conquer new markets in conformity with international standards and remain committed to customer satisfaction, the welfare of our company and the sustainability our planet.

Mision

Our mission is to use our highly trained, highly focused, and extremely motivated staff to work with manufacturers who value quality and have the vision for new development and product applications to ensure the timely provision of goods and services related to valves, their components and industrial equipment in general. We maintain a rigorous standard of customer satisfaction, which will provide for the welfare of the company, the welfare of the countries we serve, and most importantly the sustainability of the planet.

Making The Processes Possible

DUST FILTER BAGS DFB TYPE

Diameters: 4 5/8" – 11¾"
Length: 12" – 144"

FEATURES:

- A wide range of materials for different Range of Temperature and Process Media.
- Custom sizes and styles are available to meet the unique requirements of your Bag House installation.
- Different configuration to meet your cleaning process (Pulsejet, Shaker or Reverse Air)
- A wide range of Surface Finishes and Chemical Treatments.
- Ultrasonic welded seam for increased efficiency and reinforced mechanical strength.
- Inspection & Test to Each of the bags in order to ensure the meet with the technical specifications established in the purchase order by the customer.

How to Order:

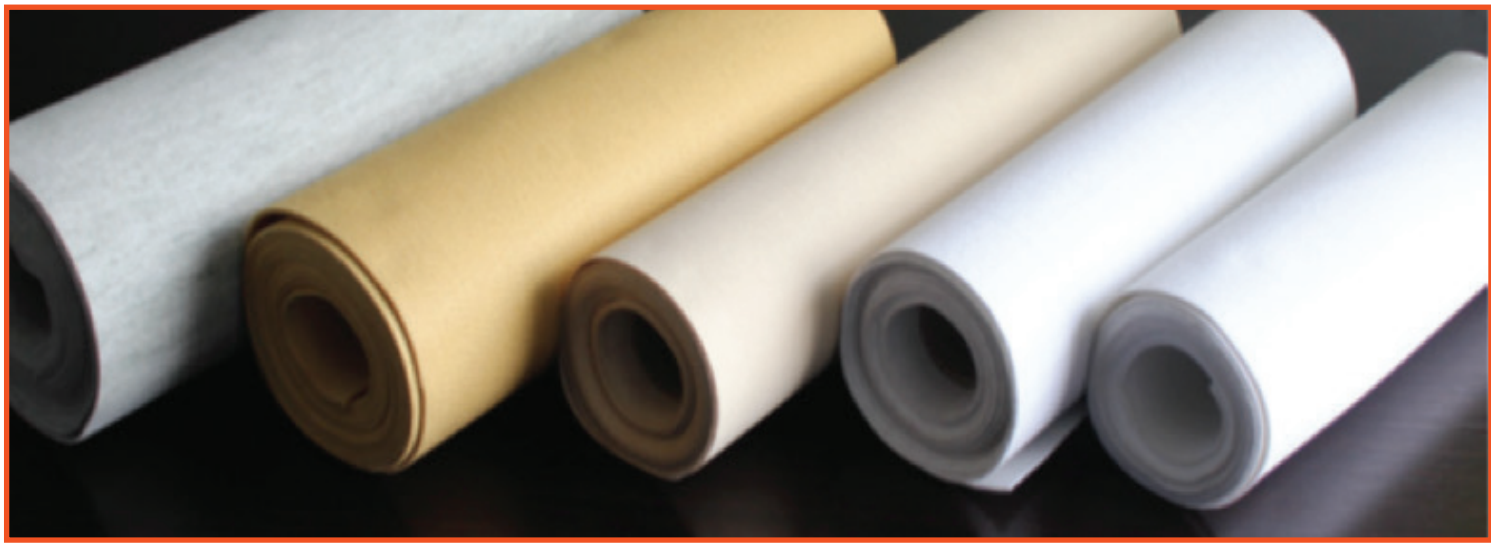
DFB-	MATL CODE	WEIGHT	(I.D)	FLAT WIDTH	LENGTH	TOP STYLE	BOTTOM STYLE

Composite and Specialty Felt Media

* FMS Fiberglass compound needle felt
* Oil & water repellent needle felt
*With PTFE membrane needle felt
* Anti-static needle felt
* Custom OEM-ODM needle felt

Material selection & Main Applications

Applications	Process Media							
	PP	PAN	PE	PPS	AR (NX)	PI (P84)	PTFE	GL
Power Generation	*	*	*	*	*	*	*	*
Powder Coating & Sand Blasting	*		*	*				
Paper, Pulp & Woodworking	*	*	*	*	*	*		*
Paints & Pigments	*		*					*
Cement, Mining & Rock Products	*	*	*	*	*	*	*	*
Asphalt & Aggregate	*		*	*	*	*		*
Waste Incineration		*		*		*	*	*
Chemicals & Pharmaceuticals	*	*	*	*	*	*	*	*
Steel, Metals & Foundry	*	*	*	*	*		*	*
Food & Beverages	*	*	*	*	*	*	*	*
Custom OEM Applications	*	*	*	*	*	*	*	*



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Material Specifications							
Fiber Materials (100%)	Code	Max. Continuous Temp. °F (°C)	Max. Surge Temp. °F (°C)	Available Weight oz/yd² (g/m²)	Thickness Inch (mm)	Construction	
						Scrim-Supported	Self-Supported
Normal Temperature							
Polypropylene	PP	194 (90)	230 (110)	11.80-17.70 (400-600)	0.059-0.083 (1.5-2.1)	PP	Y
Homopolymer Acrylic	PAN (DT)	260 (127)	284 (140)	13.27-17.70 (450-600)	0.071-0.091 (1.8-2.3)	PAN	Y
Polyester	PE	265 (130)	302 (150)	10.32-22.12 (350-750)	0.063-0.091 (1.6-2.3)	PE	Y
Polyester Antistatic	PE AT	265 (130)	302 (150)	10.32-22.12 (350-750)	0.063-0.091 (1.6-2.3)	PE AT	Y
High Temperature							
Polyphenylene Sulfide	PPS	374 (190)	392 (200)	11.80-19.77 (400-650)	0.051-0.071 (1.3-1.8)	PTFE/PPS	Y
Aramid (Nomex)	AR (NX)	400 (204)	465 (240)	11.80-17.70 (400-600)	0.071-0.095 (1.8-2.4)	PTFE/AR	Y
Polyimide	PI (P84)	465 (240)	500 (260)	13.27-17.70 (450-600)	0.075-0.091 (1.9-2.3)	PTFE	Y
Polytetrafluoroethylene	PTFE	500 (260)	536 (280)	22.12-26.55 (750-900)	0.035-0.055 (0.9-1.4)	PTFE	N
Woven Fiberglass E-Glass	GL	500 (260)	536 (280)	10.32- 28.02 (350-950)	0.012-0.035 (0.3-0.9)	GL	N

REMARKS

E-Glass or electrical grade glass. Was originally developed for standoff insulators for electrical wiring. It was later found to have excellent fiber forming capabilities and is now used almost exclusively as the reinforcing phase in the material commonly known as fiberglass.

Needle Felting. In a nutshell, it's the process of transforming wool into 3D objects using a barbed needle. When you felt wool, you're agitating the fibers so they bond together, creating a solid fabric.

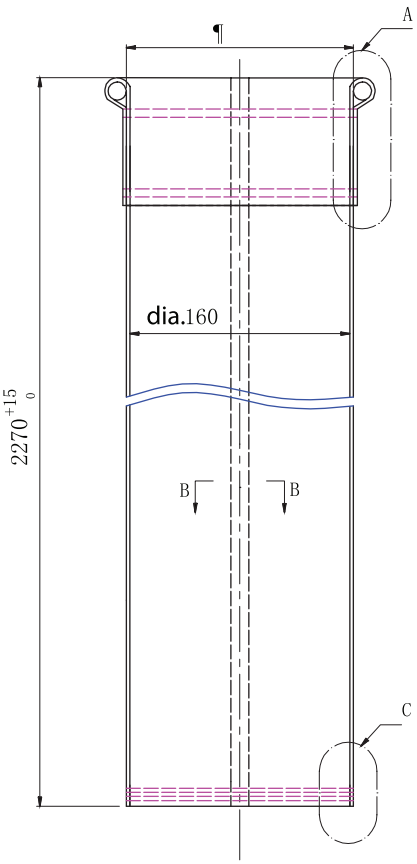
Surface Finishes & features	
Heat Set	Provides dimensional stability and eliminates shrinkage
Singed (one side or both sides)	Reduces fiber ends protruding from the surface
Glazed (one side or both sides)	Results in a smooth "eggshell" finish, enhancing cake release
PTFE Impregnation	Improves cake discharge. Increases hydrolysis/chemical resistance
PTFE Membrane	A woven scrim comprised partially of stainless-steel yarns
Water & Oil Repellent	Use of stainless-steel fibers blended with standard fibers
Anti-static filter media (use when static dissipation is required)	
Stainless steel scrim supported felt	A blend of standard and epitropic (carbonized) fibers
Stainless steel fiber blend felt	Increases collection efficiency and cake discharge. Protects the filter against chemical
Epitropic fiber blend felt	attack. Improves blinding resistance and bag life
Stainless steel scrim supported felt	Provides a protective barrier for the filter media, which improves cake discharge and

- Other special finishes (Silicone, Acid Resistant, Flame Retardant, PTFE/Acrylic Coatings...) are customized on request.
- Applicable media: Fiberglass with limited finishes.

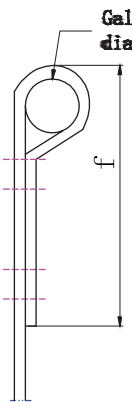
Main Specifications, for 100% PAN550		
Fiber Material		100% PAN- Acrylic Homopolymer
Scrim		PAN
Code		PAN/PAN550
Surface Treatment		Heat Set, Singed, Glazed
Chemical Treatment		Water & Oil Repellent
Weight oz/yd² (g/m²) ± 5%		16.22 (550)
Thickness In±0.004 (mm±0.1)		0.098 (2.5)
Air Permeability, CFM@1/2"W.G 125PA (m3/m2, min@200PA)		35-40 CFM (170-200 L/dm2min)
Tensile Strength Lb./2inch (N/5cm)	Warp MD	≥ 180 (800)
	Weft CD	≥ 270 (1200)
Tensile Elongation (%)	Warp MD	≤35%
	Weft CD	≤50%
Thermal Shrinkage (%) @ Max. Continuous Temp.	Warp MD	<1.0%
	Weft CD	≤ 1.5
Max. Operating Temp. (°F /°C)	Continuous	260 (127)
	Surge	284 (140)

REMARKS

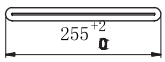
125 Pa = 12.7 mm WC = ½ 'WC'
200 Pa = 20 mm WC
Inch WG stands for inch Water Gauge, another name for the inch water column or just inch of water.



A Detail



Flat width



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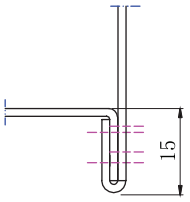
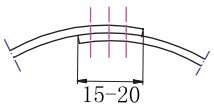
1. Sewing with PTFE thread
2. The distance between the edge of fabric and outside sewing line shold be at least 3-4 mm
6WLWFKV - VWLWFKV - PP
3. Measure in mm
4. Unmarked tolerances according to HL company

C Detail



B-B Sewing with 3 threads



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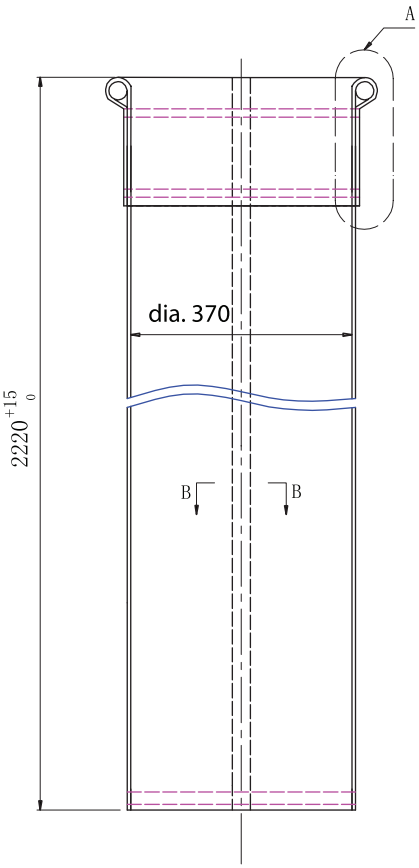
Main Specifications, for PE/PAN550		
Fiber Material		96% PE-Polyester + 4% PAN Conductive
Scrim		PE Scrim Supported
Code		PE/PAN 550
Surface Treatment		Heat Set, Singed, Glazed
Chemical Treatment		Water & Oil Repellent and PTFE Membrane
Weight oz/yd² (g/m²) ± 5%		16.22 (550)
Thickness In±0.004 (mm±0.1)		0.07" (1.8mm)
Air Permeability, CFM@1/2"W.G 125PA (m3/m2, min@200PA)		4-10 CFM (20-50 m^3/m^2.min)
Tensile Strength Lb./2inch (N/5cm)	Warp MD	≥ 310 lbf/2" (1400N/5cm)
	Weft CD	≥ 360 lbf/2" (1600N/5cm)
Tensile Elongation (%)	Warp MD	≤25%
	Weft CD	≤45%
Thermal Shrinkage (%) @ Max. Continuous Temp.		<1.0%
Max. Operating Temperature. Continuous/Surge (oF oC)		265/302 (130/150)



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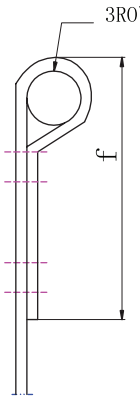
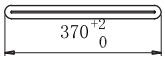


Flat width



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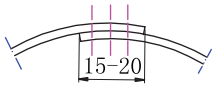
B-B Welding or Sewing with 3 threads



Top & Bottom Constructions

Multi Segments Cages	
Cage Style	Round, Oval, Flat, Envelope
Material	Carbon Steel, Galvanized Steel, 304 & 316 Stainless Steels
Construction	Clamp, Chuck, Claw Join, Guide Plate
Cage Top	Roll Flange with or Without Venture, Roll Band Low Groove, Split Collar, Split Ring, Flat Flange
Design	1, 2, 3, 4 Pieces
Cage Vertical Wires	8, 10, 12, 14, 16, 18, 20, 24 or Customized
Cage Diameter	4 3/8" - 6 1/4" (112 -160mm)
Cage length	3 - 33 ft (0.9 - 10m)
Wire Diameter	Gauge 9, 11,10 (3.2, 3.5, 3.8, 4mm)
Horizontal Ring Space	4", 6", 8", 9" (100, 152, 200, 250 mm)
Surface Coatings	Epoxy, Teflon, Organic Silicon, Special Painting, Galvanizing or Upon Request
* OEM-ODM: Specially designed to meet the customer's individual requirements	

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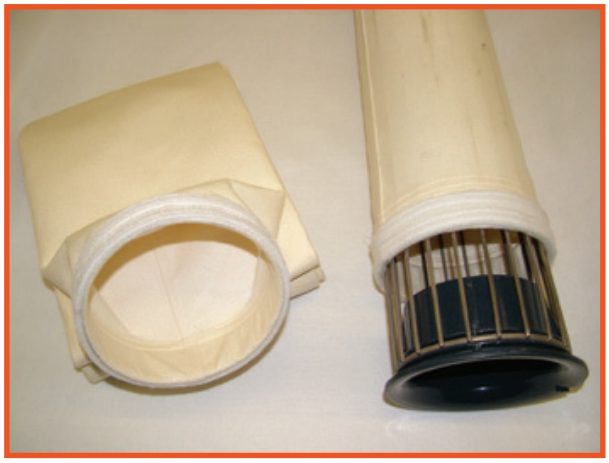

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