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Bag Filters



Filter bags are the key elements that determine the dust collection efficiency and working temperature. The change out of bags is the major cost in maintaining baghouse. The service time of bags is the main factor affecting the cost and working condition of baghouse.

The service time for qualified bags can last from 2 to 6 years under the condition of reasonable usage!

Four factors affecting the service time of filter bags

- 1. Selection right filter media*
- 2. Reasonable structure design*
- 3. Excellent sewing skill*
- 4. Right usage of bags*

Bag Top Design



Grooved Snapband



Ring



Ring



Felt Flange



Flange with Ring



Gasket



Hem



Raw Edge



Plain Snapband



Rope Ring



Reeve



Button

Bag Bottom Design



Reinforce Cuff



Round Bottom



Flat Bottom



Fixable Bottom



Square Strap



Plain Strap



Adjustable Strap



“ZC” Kind Bottom



Plain Snap



Rope Ring



Reeve

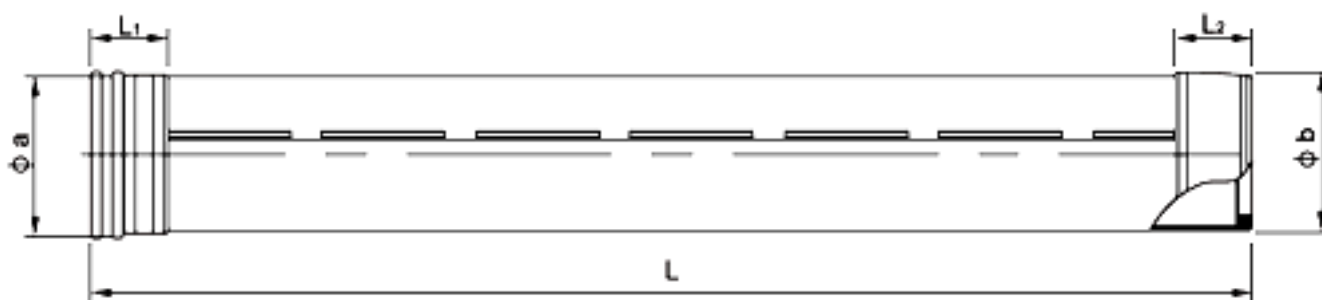


Strap with Button

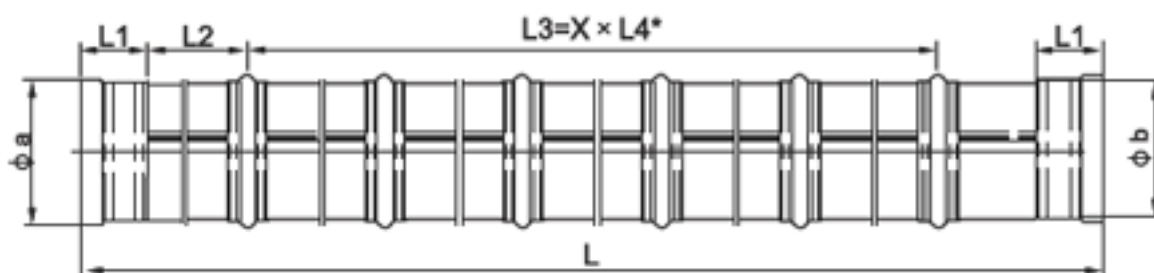
Dimension Recommended

Bag Style	Diameter	Length	Applications
Round Style (External Filtration)	120 130 152 200	2000 2400 2800 3200 3600 4000 4400 4800 5200 5600 6000	Pulse Jet Baghouse
Round Style (Internal Filtration)	180 250 300	6000 8000 10000 12000	Section Reverse Flow Baghouse
Flat Style	800 900	2000 3000 4000 5000 6000	Reverse Flow Baghouse
Envelope Style	1500X750X25 (L*W*T)		Side Insert Baghouse

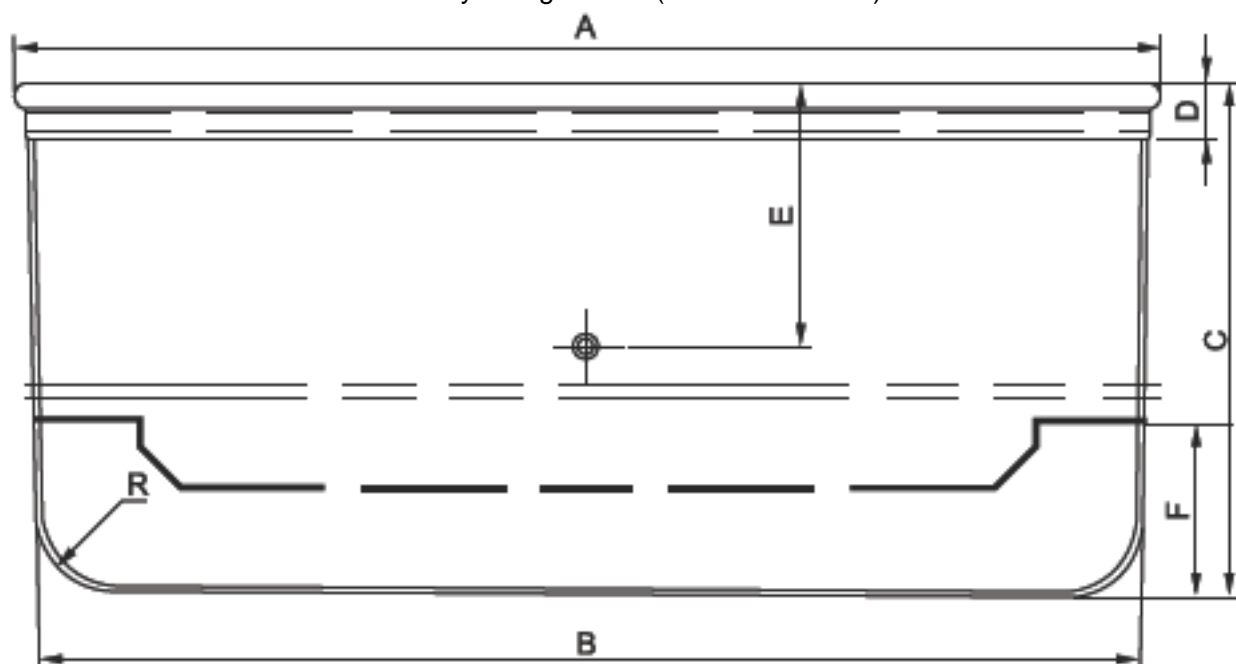
Filter Bag Sketch



Round Style Bag Sketch (External Filtration)



Round Style Bag Sketch (Internal Filtration)



Envelop Style Bag Sketch

Tables of Filter Media Character

Fiber Type	Working Temp.	Abrasion	Energy Absorption	Filtration Property	Moist Heat	Alkalines	Mineral Acids	Cost
Polypropylene	77 °C	Excellent	Good	Good	Excellent	Excellent	Excellent	\$
Polyester	135 °C	Excellent	Excellent	Excellent	Poor	Fair	Fair	\$
Acrylic	130 °C	Good	Good	Good	Excellent	Fair	Good	\$\$
Fiberglass	260 °C	Fair	Fair	Fair	Excellent	Fair	Poor	\$\$\$
Aramid	204 °C	Excellent	Good	Excellent	Good	Good	Fair	\$\$\$\$
Ryton (Rrocon)	190 °C	Good	Good	Good	Good	Excellent	Excellent	\$\$\$\$\$
P84	260 °C	Fair	Good	Excellent	Good	Fair	Good	\$\$\$\$\$\$
Teflon	260 °C	Good	Good	Fair	Excellent	Excellent	Excellent	\$\$\$\$\$\$\$

Finish Available and Purpose

Finish Type	Finish Purpose	Available
Singe	Improved dust cake release	Polyester, Polypropylene, Acrylic, Ryton, P84 felts
Glaze/Eggshell	Provide short-term improvement of cake release	Polyester, Polypropylene felts
Silicone	Initial dustcake development and limited water repellency	Polyester felts and woven
Flame Retardant	Retards combustibility	Polyester, Polypropylene felts and woven
Acrylic Coatings	Improved filtration efficiency and cake release	Polyester and Acrylic felts
PTFE Penetrating Finishing	Improved water and oil repellency; Limited cake release	Aramid felts

