



KHP-Type Coalescer Element

For the Separation of Water and Solids from Aviation Fuels according to EI 1581 5th Edition, Category C, Type S & S-LW.

Filter water separators are fitted with coalescer and separator elements and used on air-craft refuelling vehicles, hydrant dispensers and other mobile fuelling equipment. They are also used in fixed fuelling installations and tank farms. KH Aviation coalescers are commonly used in other branches of industry such as refineries, petrochemical plants and marine applications where high efficiency filtration and separation is required.

Technical Details

Tested and approved to EI 1581 Cat. C Type S & S-LW

Nominal Filtration: 1µm

Change-out Differential Pressure: 1.1 bar (15 psi)

Test- /Burst Pressure: 5.2 bar (75 psi)

Recommended Service Time (max.): 24 months¹

Recommended Storage Time (max.): 24 months^{1&2}

Operating Temperature: min. -30°C / max. 80°C

Flow Direction: In to Out

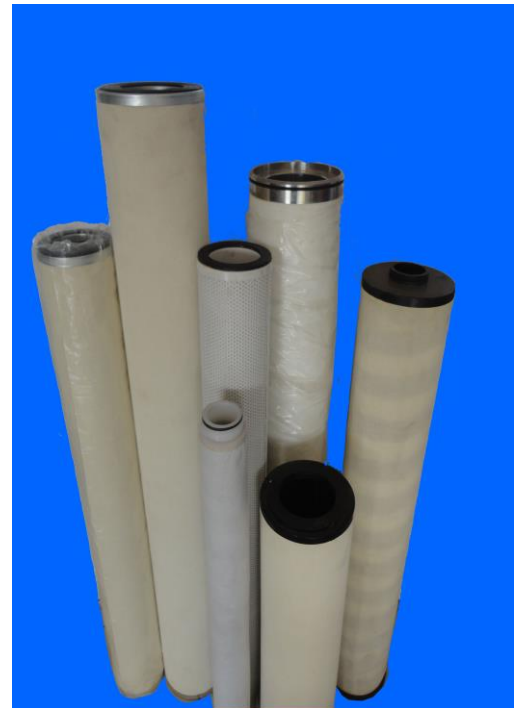
Outside Diameter: 152 mm (6")

1 Manufacturer recommendation

2 Original packaging, 20°C and max. 50% humidity after date of shipment out of stock of Kunhe Factory

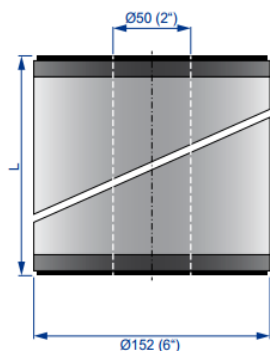
Standard Design

- Inner tube in epoxy coated steel
- Seals in NBR (Buna-N)
- End caps made out of Polyamid/reinforced glass fibre
- Labeling of end caps acc. to EI specification (date of manufacturing, ID-Number, etc.)

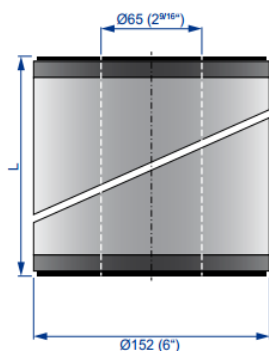




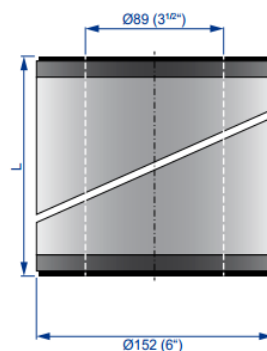
Sample For Endcap Type



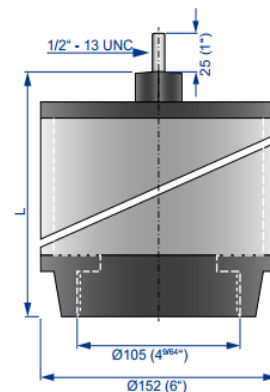
Endcap Design 1



Endcap Design 3



Endcap Design 4



Endcap Design 7

Order List

Double Open Endcap					Screw/Thread Based Endcap		
Part No.			Over Length		Part No.	Over Length	
1	3	4	mm	inch	7	mm	inch
	KHP.3-279	KHP.4-279	285	11.25			
	KHP.3-362	KHP.4-362	369	14.5	KHP.7-362	351	14.8125
	KHP.3-467	KHP.4-467	473	18.625	KHP.7-467		
	KHP.3-559	KHP.4-559	565	22.25	KHP.7-559	565	22.25
	KHP.3-727	KHP.4-727	733	28.875	KHP.7-727	705	27.725
KHP.1-842	KHP.3-842	KHP.4-842	848	33.375	KHP.7-842	834	32.875
	KHP.3-965	KHP.4-965	971	38.25	KHP.7-965	965	38
	KHP.3-1093	KHP.4-1093	1099	43.25	KHP.7-1093	1114	43.875
	KHP.3-1422	KHP.4-1422	1428	56.25	KHP.7-1422	1418	56.875



Separator Element

The fuel flows from the coalescer element and enters the separator element from outside to inside. The separator element is manufactured from hydrophobic material and is designed to repel small water droplets that may be carried over from the coalescer element. These small water droplets are retained on the separator element surface until they combine with other droplets and become large enough to fall because of the higher density of water into the water collection sump.

Standard Design

Permanent reusable(version/D1 & 2)	
Effective water barrier	
Tested and approved to spec.	E1 1581,5th. Edition category C, Type S & S-LW E1 1581,3rd. Edition Group II Class A,B,C
Admissible operating temperature	-30°C - +80°C
Flow direction	Out to in
Separator screen	/D=Teflon® coated stainless steel mesh /P=Treated fine screen synthetic mesh
Material of end caps	See page 2
Material of inner tube	See page 2
Labeling of end caps	Acc. To E1 specification(date of manufacturing,ID-Number,etc.)
Seals	NBR(Buna-N®)

1. Depending on regular cleaning and inspection with each replacement of 1st stage elements!

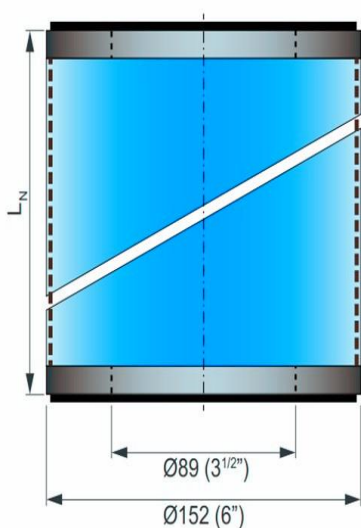
2. Small defects on the screen can be repaired with our Separator Repair Kit.



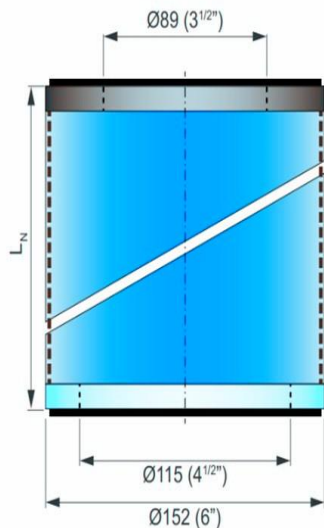
Petrobridge Equipment and Services, LLC.

A Solution Driven Partner

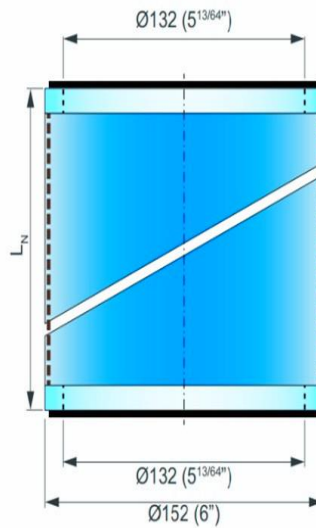
Filter Designed Type



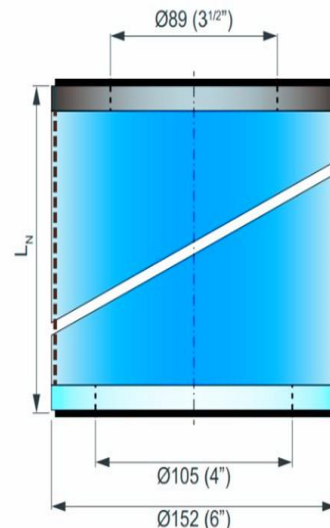
KHS1



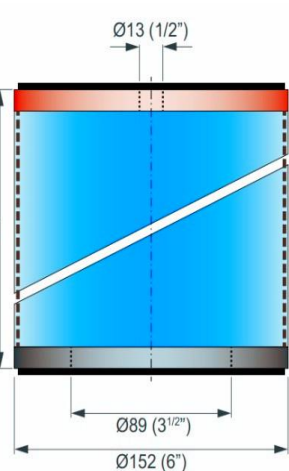
KHS2



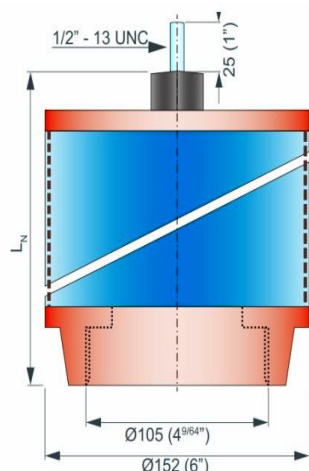
KHS3



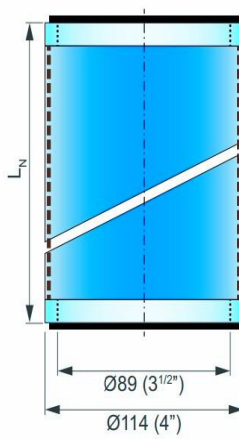
KHS4



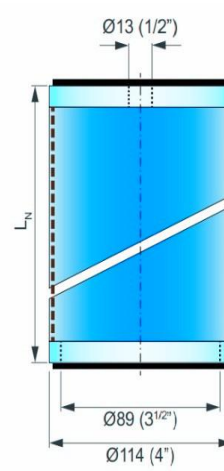
KHS5



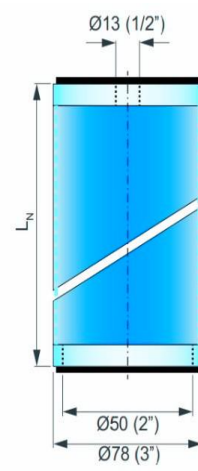
KHS6



KHS7



KHS8



KHS9

Order list

Filter Type	Normal Length (mm)	
KHS1 KHS2 KHS3	179,235,279,300,362,407,430,526,565,	
KHS4 KHS5 KHS6	600,626,700,727,756,820,842,900,965,	
KHS7 KHS8 KHS9	1012,1093,1130,1204,1226,1244,1290,1422	

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