

# P-Type Coalescer Elements

For the Separation of Water and Solids from Aviation Fuels according API/IP 1581 5th Edition

Filter water separators are fitted with coalescer and separator elements and used on aircraft refuelling vehicles, hydrant dispensers and other mobile fuelling equipment. They are also used in fixed fuelling installations and tank farms. FAUDI 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 spec.  
API/IP 1581, 5th Edition Category C, Type S

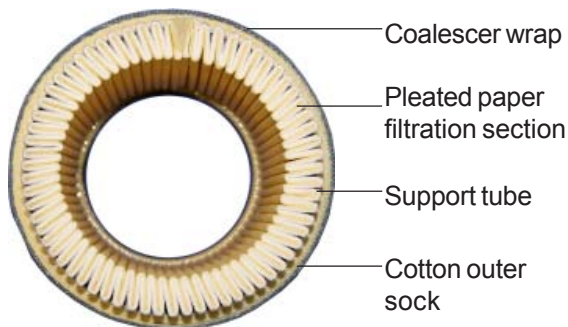
Nominal Filtration:	1µm
Change out differential pressure:	1.1 bar (15 psi)
Burst pressure:	5.2 bar (75 psi)
Recommended Service time:	24 months <sup>1</sup>
Recommended Storage time:	24 months <sup>1&amp;2</sup>
Operating Temperature:	min. -30°C / max. 80°C
Flow direction:	In to out
Outside diameter:	152 mm (6")

## Standard Design

Inner tube in epoxy coated steel  
Seals in NBR (Buna-N)  
Endcaps made out of Polyamid/reinforced glass fibre  
Labeling according to API/IP  
(date of manufacturer, ID-Number etc.) on the endcap  
Less than 15 ppm of free water in the effluent

<sup>1</sup> Manufacturer recommendation

<sup>2</sup> Original packaging, 20°C and max. 50% humidity.  
After date of shipment out of FAUDI Aviation stock.



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Scharnhorststrasse 7 B  
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# D-Type Coalescer Elements

For the Separation of Water and Solids from Aviation Fuels according MIL-F-8901 E

Filter water separators are fitted with coalescer and separator elements and used on aircraft refuelling vehicles, hydrant dispensers and other mobile fuelling equipment. They are also used in fixed fuelling installations and tank farms. FAUDI 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.

## Applications

Meets the requirements of Military Specifications Mil-F-8901 E and Specification TL4330-0001 (Part 1 + 2) (Federal Republic of Germany) and AM + M 527 B (Italy)

## Technical Details

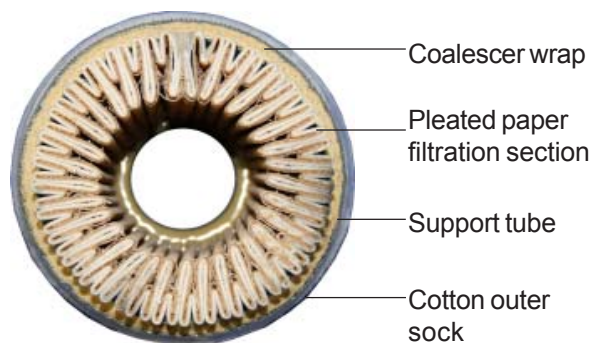
Nominal Filtration:	1µm
Change out differential pressure:	1,1 bar (15 psi)
Burst pressure:	5.2 bar (75 psi)
Recommended Service time:	24 months <sup>1</sup>
Recommended Storage time:	24 months <sup>1&amp;2</sup>
Operating temperature:	min. -30°C / max. 80°C
Flow direction:	In to out
Outside diameter:	152 mm (6")

## Standard Design

Outer tube in carbon steel black epoxy coated  
Inner tube in epoxy coated steel  
Seals in NBR (Buna-N)  
Endcaps made out of carbon steel epoxy coated  
Labeling according to API/IP  
(date of manufacturer, ID-Number etc.) on the endcap  
Less than 5 ppm of free water in the effluent

<sup>1</sup> Manufacturer recommendation

<sup>2</sup> Original packaging, 20°C and max. 50% humidity.  
After date of shipment out of FAUDI Aviation stock.



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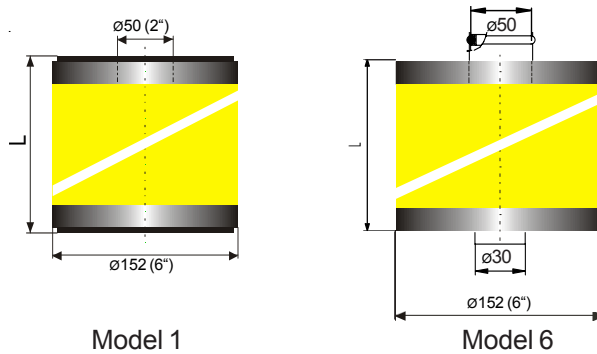
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# D-Type Coalescer Elements

Example of marking: **D. 1-842**

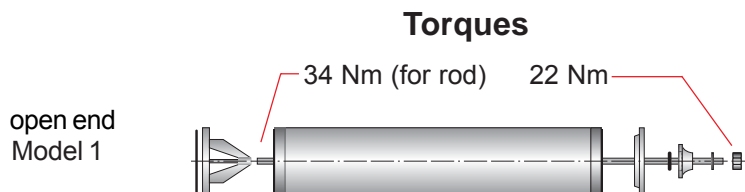
Model type ———— D  
 Endcap design ———— 1  
 Nominal length in mm ———— 842



## END CAP DESIGN

OPEN END			O-ring		
nominal Length L (including sealing)			nominal Length L		
mm	inch	Model 1	mm	inch	Model 6
368	14 <sup>1/2</sup>	D.1-362			
			467	18	D.6-467
848	33 <sup>3/8</sup>	D.1-842			

ft/lbs	inch/lbs	kg/m	Nm
17	200	2,30	22
25	300	3,50	34



D-Type Coalescer Elements

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# Y-Type Coalescer Elements

For the Separation of Water and Solids from Aviation Fuels according to API/IP 1581 5th Edition, Category M, Type S

Filter/Water separators are fitted with coalescer and separator elements and used on aircraft refuelling vehicles, hydrant dispensers and other mobile fuelling equipment. They are also used in fixed fuelling installations and tank farms. FAUDI 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.

## Applications

Meets the requirements of API/IP 1581 5th Edition, Category M, Type S and Specification TL4330-0001 Edition 1, Part 3 (Federal Republic of Germany)

## Technical Details

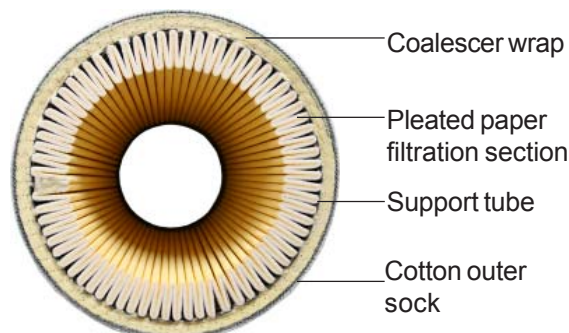
Nominal Filtration:	1µm
Change out differential pressure:	1,1 bar (15 psi)
Burst pressure:	5,2 bar (75 psi)
Recommended Service time:	24 months <sup>1</sup>
Recommended Storage time:	24 months <sup>1&amp;2</sup>
Operating temperature:	min. -30°C / max. 80°C
Flow direction:	In to out
Outside diameter:	152 mm (6")

## Standard Design

Inner tube in epoxy coated steel  
Seals in NBR (Buna-N)  
Endcaps made out of carbon steel epoxy coated  
Labeling of encaps acc. to API/IP  
(date of manufacturer, ID-Number etc.)  
Less than 15 ppm of free water in the effluent

<sup>1</sup> Manufacturer recommendation

<sup>2</sup> Original packaging, 20°C and max. 50% humidity after date of shipment out of FAUDI Aviation stock



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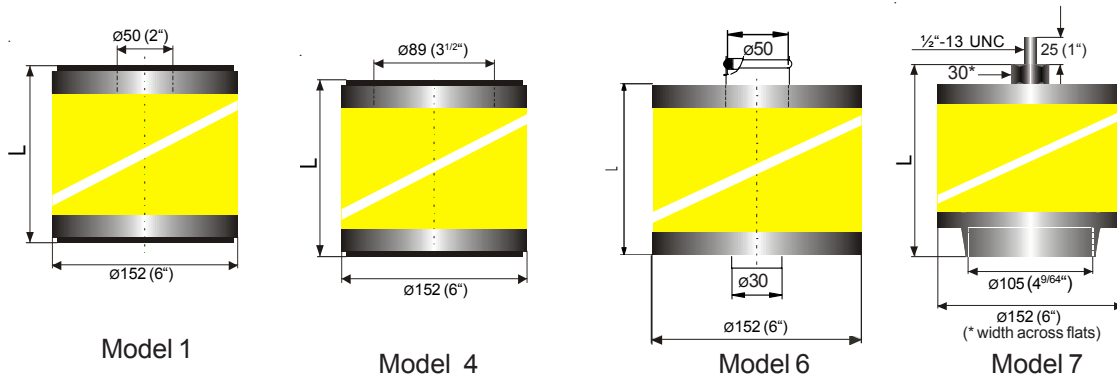


# Y-Type Coalescer Elements

Y-Type Coalescer Elements

Example of marking: **Y. 1-842/5**

Model type ————  
 Endcap design ————  
 API/IP 5th Edition  
 Nominal length in mm

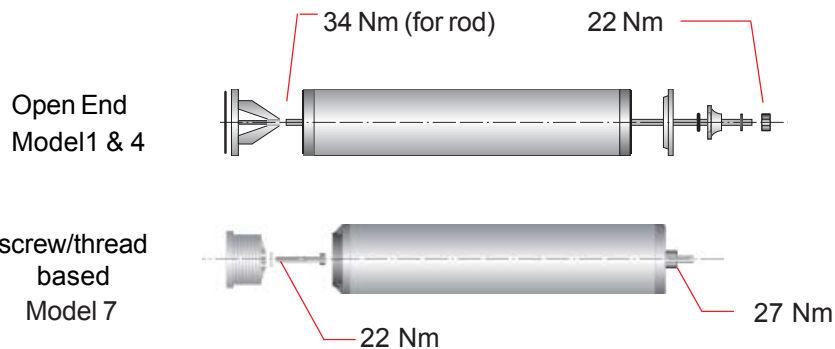



## END CAP DESIGN

nominal Length (including sealing) mm / inch	OPEN END (Model 1 & 4) / O-ring (Model 6)			SCREW/THREAD BASE
	OPEN END Model 1	OPEN END Model 4	O-ring Model 6	Model 7
368 / 14 1/2	Y.1-362/5			
473 / 18 5/8			Y.6-467/5	
565 / 22 1/4		Y.4-559/5		
848 / 33 3/8	Y.1-842/5			
1418 / 56 7/8				Y.7-1422/5

ft/lbs	zoll/lbs	kg/m	Nm
17	200	2,30	22
20	240	2,80	27
25	300	3,50	34

## Torques

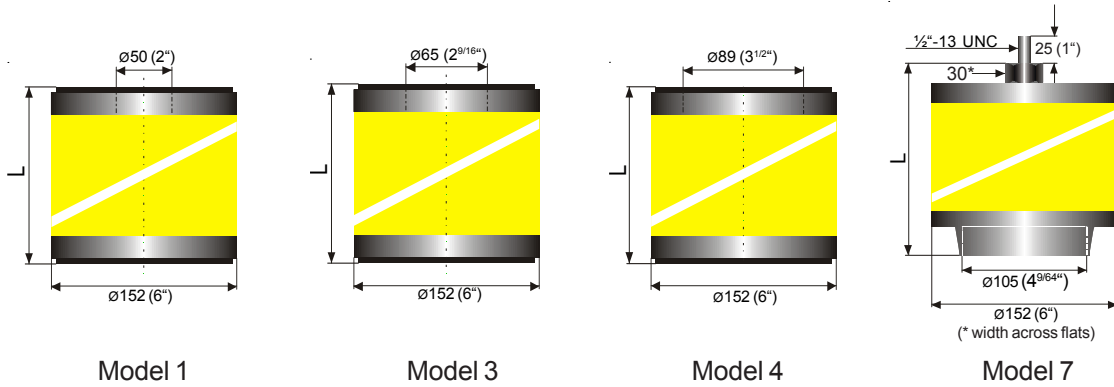


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# P-Type Coalescer Elements

Example of marking: **P. 4-1093**

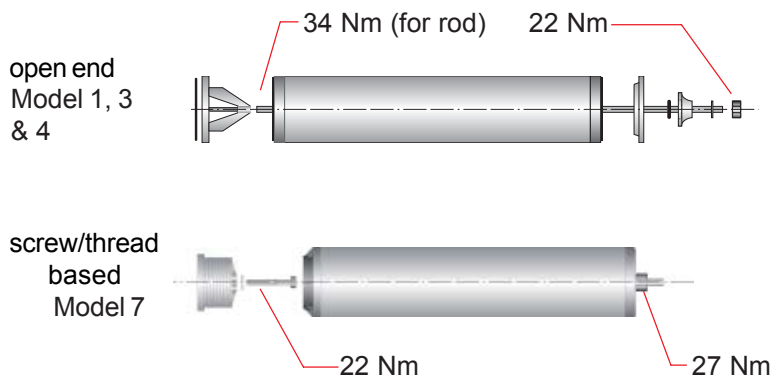
Model type ———— P  
 Endcap design ———— 4  
 Nominal length in mm ———— 1093



## END CAP DESIGN

OPEN END				SCREW/THREAD BASE			
nominal Length L (including sealing)				nominal Length L			
mm	inch	Model 1	Model 3	Model 4	mm	inch	Model 7
285	11 1/4			P.4-279			
368	14 1/2			P.4-362	351	14 13/16	P.7-362
473	18 5/8		P.3-467				
565	22 1/4		P.3-559	P.4-559	565	22 1/4	P.7-559
733	28 7/8			P.4-727	705	27 3/4	P.7-727
848	33 3/8	P.1-842	P.3-842	P.4-842	834	32 7/8	P.7-842
971	38 1/4		P.3-965	P.4-965	965	38	P.7-965
1099	43 1/4			P.4-1093	1114	43 7/8	P.7-1093
1428	56 1/4			P.4-1422	1418	56 7/8	P.7-1422

## Torques



ft/lbs	inch/lbs	kg/m	Nm
17	200	2,30	22
20	240	2,80	27
25	300	3,50	34

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