A-Type Coalescer Element

For the Separation of Water and Solids from Hydrocarbons

Filter water separators are fitted with coalescer and separator elements at various places to separate water and dirt from Hydrocarbons. They are also used in mobile refuelling units and fixed fuelling installations and tank farms. FAUDI Aviation coalescers are commonly used at all kind of branches in the industry such as refineries, petrochemical plants and marine applications where high efficiency filtration and separation is required.

Range of use:

- Mainly in refineries for filtering intermediate products
- On ships
- At ship unloading terminals for water separation and filtration of diesel fuels

Technical Details

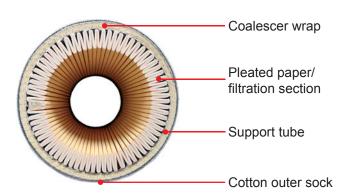
Nominal Filtration: 10µm

max. Differential Pressure: 1,1 bar (15 psi)
Burst Pressure: 5.2 bar (75 psi)
Recommended Service time: 24 Monate¹
Recommended Storage time: 24 Monate^{1&2}

max. operating Temperature: min. -30°C / max. 80°C Flow Direction: Innen nach außen Outside Diameter: 152 mm (6")

Standard Design

- Inner tube in epoxy coated steel
- Seals in Viton®
- Endcaps made out of Polyamid/reinforced glass fibre





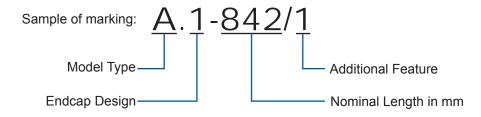


¹ Manufacturer recommendation

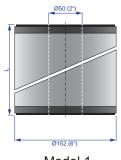
² Original packaging, 20°C and max. 50% humidity acc. dispatching date out of FAUDI Aviation stock

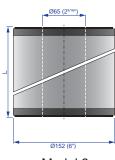
A-Type Coalescer Element

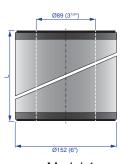
Sample of Marking

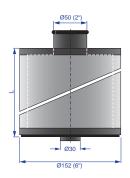


	Additional Feature
1	 Limited solvent-resistance Endcap adhesive and longitudinal seam in epoxy End Caps and support tube in stainless steel









M	00	lel	1

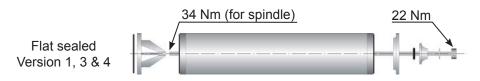
Model 3

Model 4

Model 6

Nominal lenght L (including sealing)					
mm	inch	Model 1	Model 3	Model 4	Model 6
473	18 ^{5/8}				A.6-467
565	22 1/4	A.1-559			
733	28 7/8			A.4-727	
848	33 ^{3/8}	A.1-842	A.3-842	A.4-842	A.6-842

Torques



Torques Conversation Table							
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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D-Type Coalescer Element

For separation of water and solids from aviation fuels according to TL 4330-0001 (Part 1 & 2), Mil-F-8901E and AM+M 537 B.

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. TL 4330-0001 (Part 1 & 2), MIL-F 8901E & AM+M 537B

Nominal Filtration: 1µm

Change out differential pressure: 1.1 bar (15 psi)
Burst pressure: 5.2 bar (75 psi)
Recommended Service time: 24 months¹
Recommended Storage time: 24 months^{1&2}

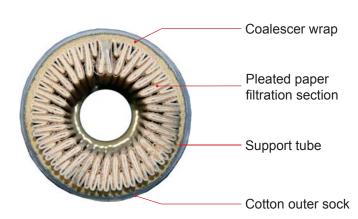
OperatingTemperature: min. -30°C / max. 80°C

Flow direction: In to out Outside diameter: 152 mm (6")

Standard Design

Germany

- Inner tube in epoxy coated steel
- Seals in NBR (Buna-N®)
- Endcaps made out of Polyamid/reinforced glass fibre
- Labeling according to EI (date of manufacturer, ID-Number etc.) on the endcap



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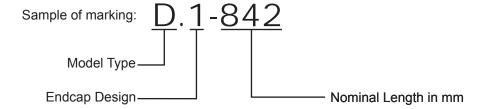


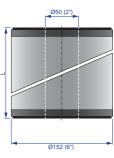
¹ Manufacturer recommendation

Original packaging, 20°C and max. 50% humidity acc. dispatching date out of FAUDI Aviation stock

D-Type Coalescer Element

Sample of Marking









Endcap Design 6

	Model 1 (0	Open-end)	Model 6 (O-Ring)		
		lenght L g sealing)	Nominal	lenght L	
Model Type	mm	inch	mm	inch	
D.1-362	368	141/2			
D.1-842	848	333/8			
D.6-467			467	18	

Torques 34 Nm (for center rod) Flat sealed endcap design 1

Torques Conversation Table						
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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DC-Type Coalescer Element

For the Separation of Water and Solids from Hydrocarbons

Filter water separators are fitted with coalescer and separator elements at various places to separate water and dirt from Hydrocarbons. They are used in mobile and fixed fuelling installations and tank farms. FAUDI Aviation coalescers are commonly used at all kind of branches in the industry such as refineries, petrochemical plants and marine applications where high efficiency filtration and separation is required.

Technical Details

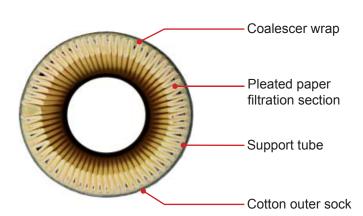
Nominal Filtration: 5, 10 & 25µm
Change-out Differential Pressure: 1.1 bar (15 psi)
Test- /Berst Pressure: 5.2 bar (75 psi)
Recommended Storage Time (max.): 24 months¹⁸²

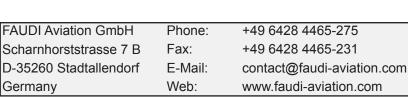
Operating Temperature: min. -30°C / max. 80°C

Flow Direction: In to Out Outside Diameter: 152 mm (6")

Standard Design

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





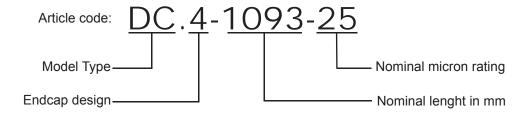


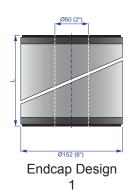
¹ Manufacturer recommendation

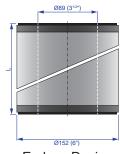
² Original packaging, 20°C and max. 50% humidity after date of shipment out of stock of FAUDI Aviation GmbH

DC-Type Coalescer Element

Sample of Marking







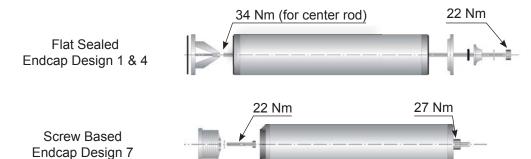
1/2" - 13 UNC (4864) Ø105 (4864)

Endcap Design

Endcap Design 7

		Flat Sealed		Screw Based		
Nominal	lenght L					
(Incl.	seal)	Endcar	o Design	Nominal	lenght L	Endcap Design
mm	inch	1	4	mm	inch	7
285	11 1/4		DC.4-279-xx			
369	14 1/2		DC.4-362-xx	351	14 ^{13/16}	DC.7-362-xx
565	22 1/4		DC.4-559-xx	565	22 1/4	DC.7-559-xx
733	28 7/8		DC.4-727-xx	705	27 3/4	DC.7-727-xx
848	33 3/8	DC.1-842-xx	DC.4-842-xx	834	32 7/8	DC.7-842-xx
1099	43 1/4		DC.4-1093-xx	1114	43 7/8	DC.7-1093-xx
1428	56 1/4		DC.4-1422-xx	1418	56 ^{7/8}	DC.7-1422-xx

Torques



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



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 EI 1581 3rd edition, Group II, Class A, B & C and MIL-F-8901E.

Nominal Filtration: 1µm

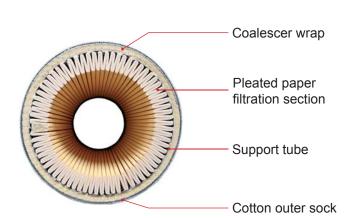
Change-out Differential Pressure: 1.1 bar (15 psi)
Test- /Berst Pressure: 5.2 bar (75 psi)
Recommended Service Time (max.): 24 months¹
Recommended Storage Time (max.): 24 months¹

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)
- End caps made out of Polyamid/reinforced glass fibre
- Labeling of end caps acc. to EI specification (date of manufacturing, ID-Number, etc.)



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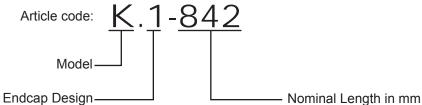
DS-K-Coalescer-EN_2.0 Page 1/2 Rev. 2.0

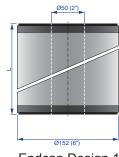
¹ Manufacturer recommendation

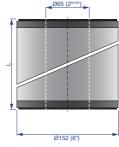
² Original packaging, 20°C and max. 50% humidity after date of shipment out of stock of FAUDI Aviation GmbH

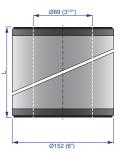
K-Type Coalescer Element

Sample of Marking











Endcap Design 1

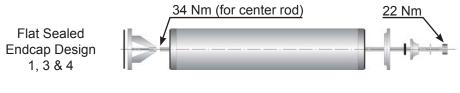
Endcap Design 3

Endcap Design 4

Endcap Design 7

	Flat	sealed (ope	Screw / thread based				
Nominal Lenght L (Incl. Seal)		Endcap Design			Nominal Lenght L		Endcap Design
mm	Zoll	1	3	4	mm	Zoll	7
285	11 ^{1/4}			K.4-279			
369	14 1/2			K.4-362	351	14 ^{13/16}	K.7-362
473	18 ^{5/8}		K.3-467				
565	22 1/4		K.3-559	K.4-559	565	22 1/4	K.7-559
733	28 7/8			K.4-727	705	27 3/4	K.7-727
848	33 3/8	K.1-842	K.3-842	K.4-842	834	32 7/8	K.7-842
971	38 1/4		K.3-965	K.4-965	965	38	K.7-965
1099	43 1/4			K.4-1093	1114	43 7/8	K.7-1093
1428	56 ^{1/4}			K.4-1422	1418	56 ^{7/8}	K.7-1422

Torques





Torques Conversation Table							
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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MIL-Type Coalescer Element

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

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 EI 1581 5th edition, Category M, Type S & S-LW

Nominal Filtration: 1µm

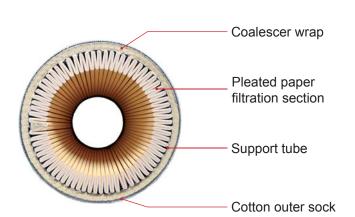
Change-out Differential Pressure: 1.1 bar (15 psi)
Test- /Berst Pressure: 5.2 bar (75 psi)
Recommended Service Time (max.): 24 months¹
Recommended Storage Time (max.): 24 months¹

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)
- End caps made out of Polyamid/reinforced glass fibre
- Labeling of end caps acc. to EI specification (date of manufacturing, ID-Number, etc.)



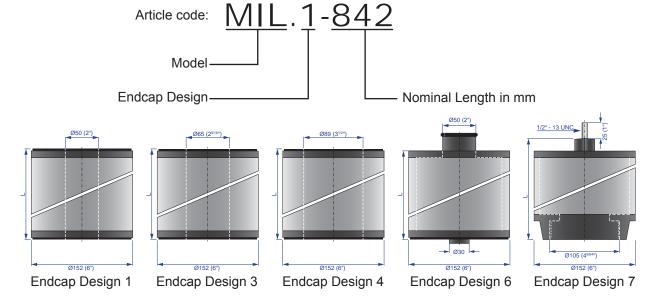


¹ Manufacturer recommendation

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

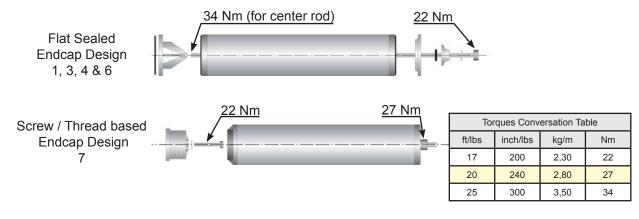
MIL-Type Coalescer Element

Sample of Marking



	OPEN END							SCREW/THREAD BASE		
	Length L g sealing)	Endcap Design				nominal Length L		Endcap Design		
mm	inch	1	3	4	6	mm	inch	7		
285	11 ^{1/4}			MIL.4-279						
369	14 1/2			MIL.4-362	MIL.4-362	351	14 ^{13/16}	MIL.7-362		
473	18 ^{5/8}		MIL.3-467							
565	22 1/4		MIL.3-559	MIL.4-559	MIL.4-559	565	22 1/4	MIL.7-559		
733	28 7/8			MIL.4-727		705	27 3/4	MIL.7-727		
848	33 3/8	MIL.1-842	MIL.3-842	MIL.4-842	MIL.4-842	834	32 7/8	MIL.7-842		
971	38 1/4		MIL.3-965	MIL.4-965		965	38	MIL.7-965		
1099	43 1/4			MIL.4-1093		1114	43 7/8	MIL.7-1093		
1428	56 ^{1/4}			MIL.4-1422		1418	56 ^{7/8}	MIL.7-1422		

Torques



P-Type Coalescer Element

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

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 EI 1581 Cat. C Type S & S-LW

Nominal Filtration: 1µm

Change-out Differential Pressure:

Test- /Berst Pressure:

Recommended Service Time (max.):

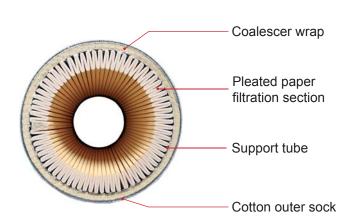
1.1 bar (15 psi)
5.2 bar (75 psi)
24 months¹
24 months¹
24 months¹

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)
- End caps made out of Polyamid/reinforced glass fibre
- Labeling of end caps acc. to EI specification (date of manufacturing, ID-Number, etc.)





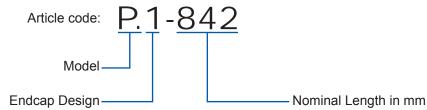


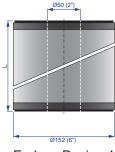
¹ Manufacturer recommendation

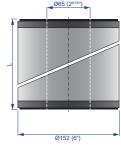
² Original packaging, 20°C and max. 50% humidity after date of shipment out of stock of FAUDI Aviation GmbH

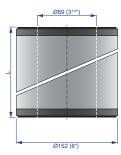
P-Type Coalescer Element

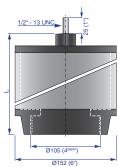
Sample of Marking











Endcap Design 1

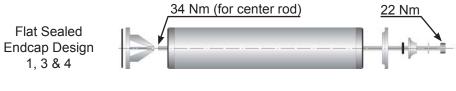
Endcap Design 3

Endcap Design 4

Endcap Design 7

	sealed (ope	Screw / thread based					
Nominal Lenght L (Incl. Seal)		Endcap Design		Nominal Lenght L		Endcap Design	
mm	Zoll	1	3	4	mm	Zoll	7
285	11 1/4			P.4-279			
369	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





Torques Conversation Table							
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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Y-Type Coalescer Element

For the Separation of Water and Solids from Aviation Fuels according to El 1581 5th Edition, Category M, Type S as well technical delivery specifications of TL 4330-0001 (Edition 1, Part 3)

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 EI 1581 5th Edition Cat. M Type S and TL 4330-0001 (Edition 1 Part 3)

Nominal Filtration: 1µm

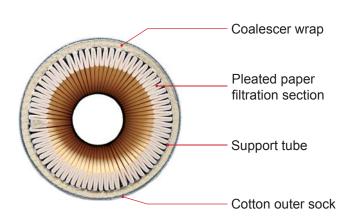
Change-out Differential Pressure: 1.1 bar (15 psi)
Test-/Berst Pressure: 5.2 bar (75 psi)
Recommended Service Time (max.): 24 months¹
Recommended Storage Time (max.): 24 months¹

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)
- End caps made out of carbon steel epoxy coated
- Labeling of end caps acc. to EI specification (date of manufacturing, ID-Number, etc.)



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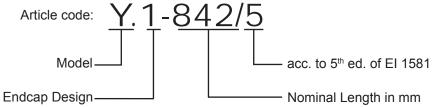
DS-Y-Coalescer-EN_2.0 Page 1/2 Rev. 2.0

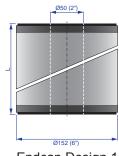
¹ Manufacturer recommendation

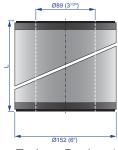
² Original packaging, 20°C and max. 50% humidity after date of shipment out of stock of FAUDI Aviation GmbH

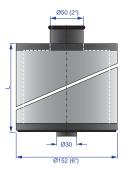
Y-Type Coalescer Element

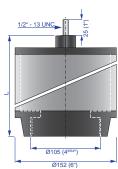
Sample of Marking











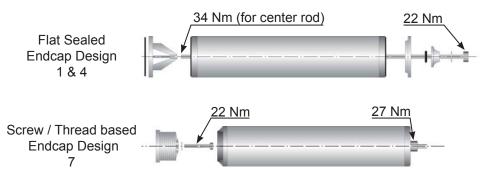
Endcap Design 1

Endcap Design 4 Endcap Design 6

Endcap Design 7

	Flat sealed	Screw / thread based					
Nominal Length L (Including Seal)		Endcap Design			Nominal Length L		Endcap Design
mm	Zoll	1	4	6	mm	Zoll	7
369	14 1/2			Y.6-362/5	351	14 ^{13/16}	Y.7-362/5
473	18 5/8		Y.4-467/5				
565	22 1/4		Y.4-559/5	Y.6-559/5			
848	33 ^{3/8}	Y.1-842/5	Y.4-842/5	Y.6-842/5	834	32 7/8	Y.7-842/5
					1418	56 ^{7/8}	Y.7-1422/5

Torques



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

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