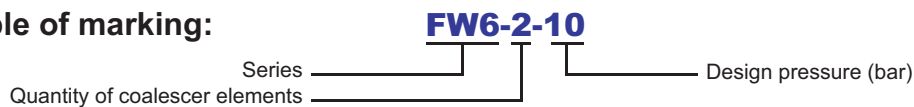


# FW6 Filter/Water Separator Series

Sample of marking:



## Technical Details

- for stationary application
- according to API/IP 1581 5<sup>th</sup> Edition, Category C, Type S
- for Jet A1, JP 1, JP 4, JP 8, kerosene
- maximum flow rates up to 4.680 l/min
- max. 15 ppm free water in the outlet stream
- max. 0,26 mg/l (average) particles in the outlet stream



### Flow Process Description

The process of filtration and separation takes place in two element stages. In the first stage, known as the Coalescer stage, during flow through the element from the inside to outside solid particles are retained by the star-shaped folded paper layers. At the same time emulsion separation begins in the pleated paper section. Next the fuel-water mixture flows through the Coalescer part of the element. Due to its hydrophobic and hydrophilic properties very small and fine water droplets coalesce by retardation, acceleration and deflection of the liquid flow to form larger droplets. Afterwards they drop into the water sump because of their higher specific weight.

The second stage Separator elements separate the smallest water droplets which have been swept along in the Filter/Water Separator by velocity. These are retained at the hydrophobic coated surface of the Separator elements and then also collect as a sediment in the water sump.

Model No.	Coalescer		Separator		Max Flow Rate		Volume l	Weight app. kg
	Model	Qty.	Model	Qty.	l/min	USGPM		
FW6- 1	P.3-842	1	8971368	1	360	95	178	349
FW6- 2	P.3-842	2	8802779	1	720	190	169	397
FW6- 3	P.3-842	3	8885428	1	1080	285	226	445
FW6- 4	P.3-842	4	8885428	1	1440	380	288	494
FW6- 5	P.3-842	5	8920043	1	1800	476	337	542
FW6- 7	P.3-842	7	8901738	1	2520	666	424	591
FW6- 8	P.3-842	8	8802696	1	2880	761	542	639
FW6- 9	P.3-842	9	8802696	1	3240	856	622	688
FW6-11	P.3-842	11	8885774	1	3960	1046	721	736
FW6-13	P.3-842	13	9413964	1	4680	1236	870	785

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## FW24-H-T Series

Qualified under witness testing according to specification EI 1581, 6<sup>th</sup> Edition, Category C, Type S-M

Filter/water separators are designed to remove free water and fine solids from aviation fuel.

FAUDI Aviation FW-24-H-T series are exclusively used for mobile filtration of aviation fuel, where small amounts of water and/or solids may be present. The filter/water separator is designed and constructed according to engineering guidelines and pressure vessel regulation AD-2000. Design and construction according to ASME Code is available if required.

Application area:

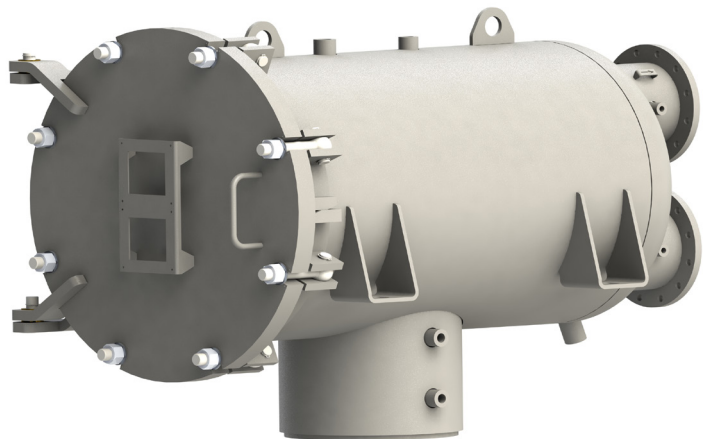
- EI 1581 6<sup>th</sup> edition, Category C, Type S-M, applies to mobile horizontal filtration in civil aircraft refuelling

### Technical Data

- Design & Construction: EI 1596, 2<sup>nd</sup> Edition
- Design pressure: 10 bar (145 psi)
- Max. flow rate: 4.180 l/min (1.104 US gpm)
- Housing material: Stainless steel
- Cover seal: NBR or FKM (Buna-N or Viton)
- Surface: blasted and pickled
- Connections for: DP gauge and Sampling  
Drain to dirty and clean side  
Air eliminator and TRV  
Water defence

### Standard design

- Coalescer element P2.1-770-6, qual. to EI 1581 6<sup>th</sup> Edition, Category C, Type S-M
- Separator element 60.4C4-754-DV (Teflon® coated) , qual. to EI 1581 6<sup>th</sup> Edition, Category C, Type S-M
- Anti-vibration grid according to EI 1596, 2<sup>nd</sup> Edition
- NBR or FKM cover gasket



## FW24-H-T Series

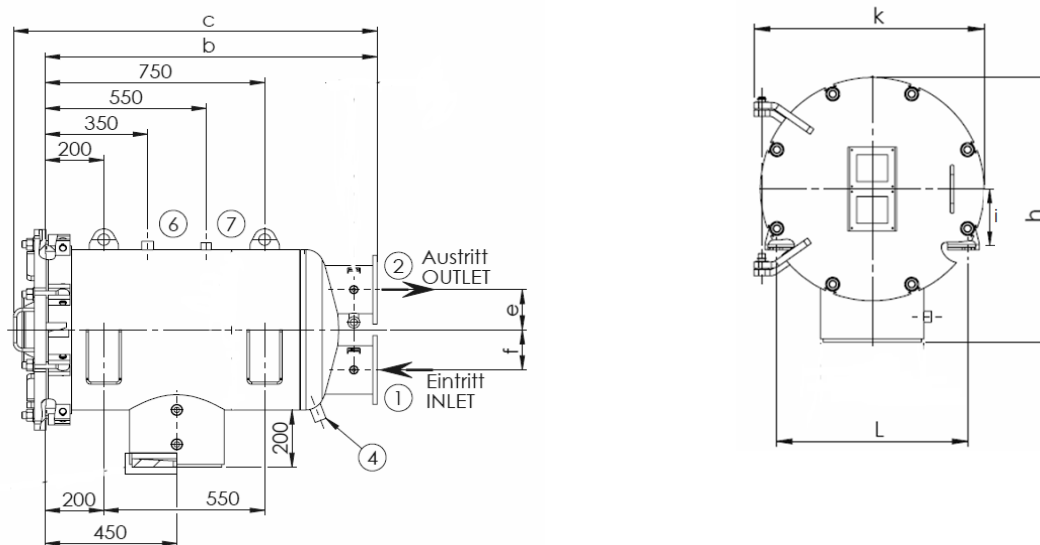
### Recommended Accessories

- Differential pressure control unit dp-Switch
- Differential pressure gauge
- Manual drain valve
- Automatic air eliminator
- Pressure relief valve
- Sampling probe connections
- Automatic sump drainage
- Water defence system

### Order reference

Vessel Model No.	Coalescer Elements		Separator Elements		Flow rates	
	Model	Quantity	Model	Quantity	l/min	Us gpm
FW24-H-T-12-770-10	P2.1-770-6	12	60.4C4-754-DV	2	1320	348
FW24-H-T-19-770-10	P2.1-770-6	19	60.4C4-754-DV	3	2090	552
FW24-H-T-25-770-10	P2.1-770-6	25	60.4C4-754-DV	4	2750	726
FW24-H-T-31-770-10	P2.1-770-6	31	60.4C4-754-DV	5	3410	900
FW24-H-T-38-770-10	P2.1-770-6	38	60.4C4-754-DV	6	4180	1104

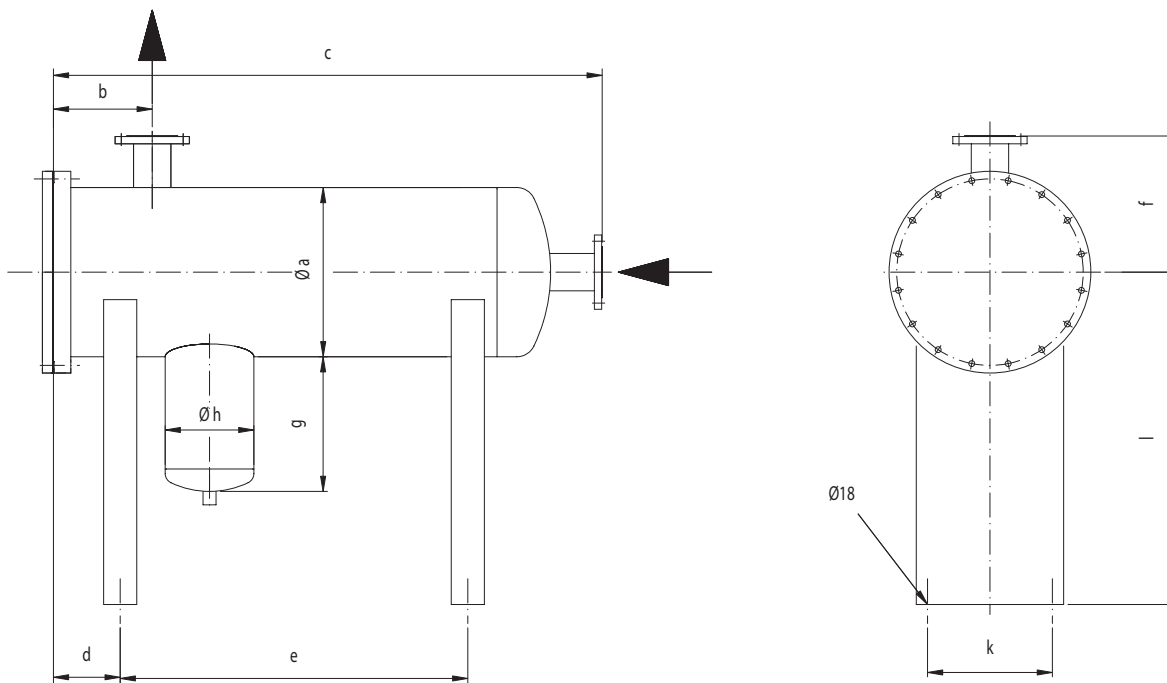
### Dimensions



Vessel Model No.	Dimensions in mm							
	b	c	e	f	h	i	k	L
FW24-H-T-12-770-10	1092	1190	80	90	628	140	560	400
FW24-H-T-19-770-10	1112	1215	110	100	728	160	665	500
FW24-H-T-25-770-10	1145	1248	125	125	781	170	710	550
FW24-H-T-31-770-10	1135	1244	140	140	832	190	720	600
FW24-H-T-38-770-10	1150	1259	165	165	883	190	775	650

# FW6 Filter/Water Separator Series

Dimensions in mm



Model No.	Connections		Ø a	b	c	d	e	f	g	Ø h	k	l
	DIN	ANSI										
FW6- 1	50	2	250	180	1430	125	980	---	300	200	150	710
FW6- 2	80	3	355	200	1635	150	1105	325	475	300	200	1230
FW6- 3	100	4	400	240	1760	200	1150	355	475	300	250	1230
FW6- 4	100	4	450	240	1780	200	1170	385	475	300	300	1230
FW6- 5	125	5	500	200	1830	200	1150	420	475	300	350	1230
FW6- 7	150	6	550	300	1960	200	1200	440	475	300	400	1230
FW6- 8	150	6	600	340	2030	250	1200	465	475	300	450	1230
FW6- 9	150	6	650	340	2050	250	1250	490	475	300	500	1295
FW6-11	200	8	700	310	2090	250	1230	530	475	300	550	1445
FW6-13	200	8	750	395	2200	250	1340	555	475	300	600	1470

Filter/Water Separators

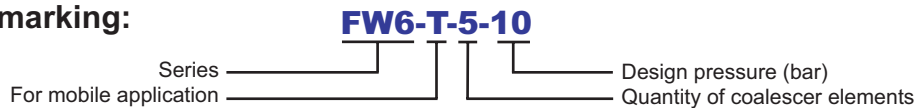
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# FW6-T Filter/Water Separator Series

Sample of marking:

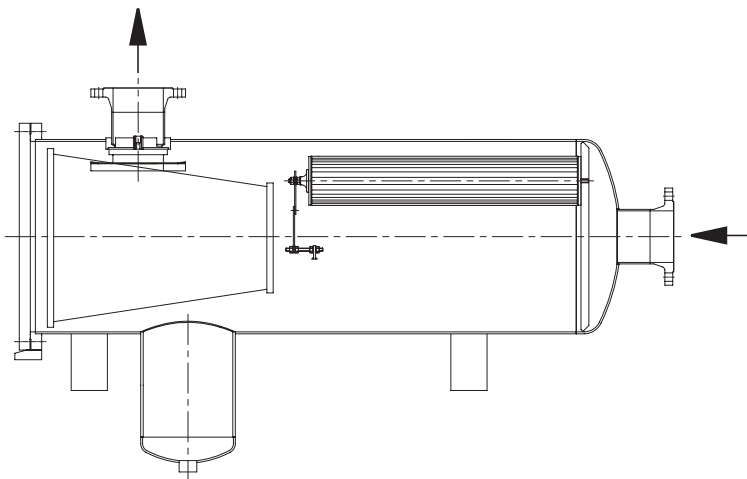


## Technical Details

- for mobile application
- according to API/IP 1581 5<sup>th</sup> Edition, Category C, Type S
- for Jet A1, JP 1, JP 4, JP 8, kerosene
- maximum flow rates up to 4.680 l/min
- max. 15 ppm free water in the outlet stream
- max. 0,26 mg/l (average) particles in the outlet stream

Model No.	Coalescer	Separator		Max Flow Rate		Volume l	Weigth app. kg
		Model	Qty.	l/min	USGPM		
FW6-T- 1	P.3-842	8971368	1	360	95	178	320
FW6-T- 2	P.3-842	8802779	1	720	190	169	267
FW6-T- 3	P.3-842	8885428	1	1080	285	226	424
FW6-T- 4	P.3-842	8885428	1	1440	380	288	473
FW6-T- 5	P.3-842	8920043	1	1800	476	337	530
FW6-T- 7	P.3-842	8901738	1	2520	666	424	553
FW6-T- 8	P.3-842	8802696	1	2880	761	542	591
FW6-T- 9	P.3-842	8802696	1	3240	856	622	654
FW6-T-11	P.3-842	8885774	1	3960	1046	721	685
FW6-T-13	P.3-842	9413964	1	4680	1236	870	745

### Flow Process Description



The process of filtration und separation takes place in two element stages. In the first stage, known as the Coalescer stage, during flow through the element from the inside to outside solid particles are retained by the star-shaped folded paper layers. At the same time emulsion separation begins in the pleated paper section. Next the fuel-water mixture flows through the Coalescer part of the element. Due to its hydrophobic and hydrophilic properties very small and fine water droplets coalesce by retardation, acceleration and deflection of the liquid flow to form larger droplets. Afterwards they drop into the water sump because of their higher specific weight.

The second stage Separator elements separates the smallest water droplets which have been swept along in the Filter/Water Separator by velocity. These are retained at the hydrophobic coated surface of the Separator elements and then also collect as a sediment in the water sump.

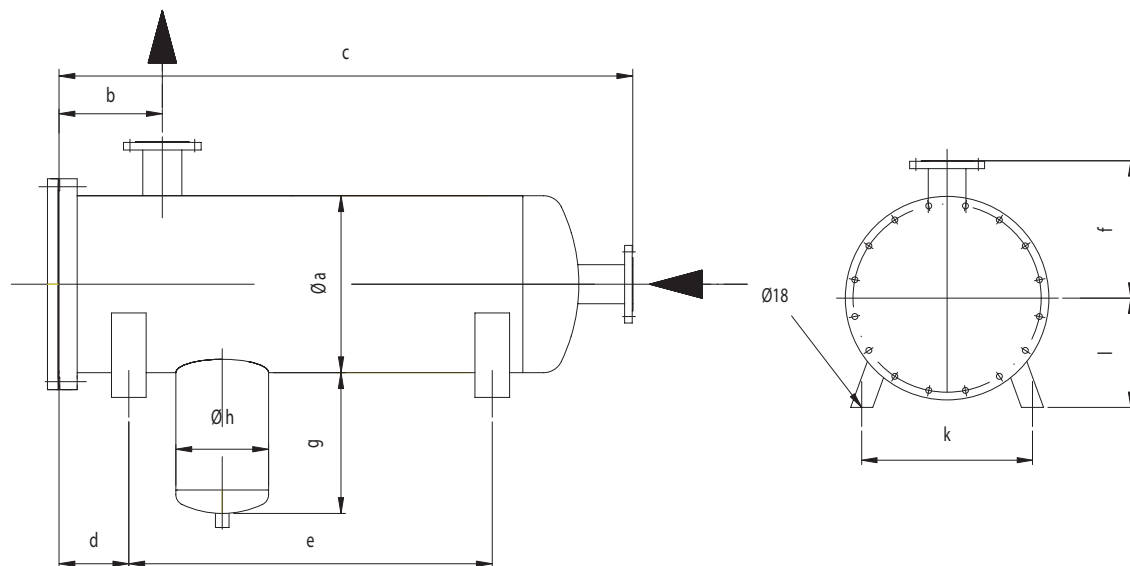
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# FW6-T Filter/Water Separator Series

Dimensions in mm



Model No.	Connections		$\varnothing a$	b	c	d	e	f	g	$\varnothing h$	k	l
	DIN	ANSI										
FW6-T- 1	50	2"	250	180	1430	125	980	---	300	200	250	175
FW6-T- 2	80	3"	355	200	1635	150	1105	325	350	300	355	230
FW6-T- 3	100	4"	400	240	1760	200	1150	355	350	300	400	250
FW6-T- 4	100	4"	450	240	1780	200	1170	385	350	300	450	275
FW6-T- 5	125	5"	500	200	1830	200	1150	420	350	300	500	300
FW6-T- 7	150	6"	550	300	1960	200	1200	440	350	300	550	325
FW6-T- 8	150	6"	600	340	2030	250	1200	465	350	300	600	350
FW6-T- 9	150	6"	650	340	2050	250	1250	490	350	300	650	375
FW6-T-11	200	8"	700	310	2090	250	1230	530	350	300	700	400
FW6-T-13	200	8"	750	395	2200	250	1340	555	350	300	750	425

Filter/Water Separators

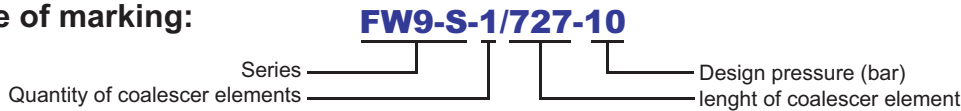
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# FW9-S Filter/Water Separator Series

Sample of marking:



## Technical Details

- for stationary and mobile applications
- according to API/IP 1581 5<sup>th</sup> Edition, Category C, Type S
- for Jet A1, JP 1, JP 4, JP 8, kerosene
- maximum flow rates up to 330 l/min
- max. 15 ppm free water in the outlet stream
- max. 0,26 mg/l (average) particles in the outlet stream

Model No.	Coalescer		Separator		Max Flow Rate		Volume l	Weigth app. (10 bar) kg
	Model	Qty.	Model	Qty.	l/min	USGPM		
FW9-S-1/235	P.3-235	1	FW9-S-1(235)	1	83	22	30	40
FW9-S-1/279	P.3-279	1	FW9-S-1(279)	1	101	26	32	46
FW9-S-1/362	P.3-362	1	FW9-S-1(362)	1	134	35	37	55
FW9-S-1/467	P.3-467	1	FW9-S-1(467)	1	177	46	43	63
FW9-S-1/565	P.3-559	1	FW9-S-1(565)	1	217	57	48	70
FW9-S-1/727	P.3-727	1	FW9-S-1(727)	1	283	74	57	80
FW9-S-1/842	P.3-842	1	FW9-S-1(842)	1	330	87	63	90

## Dimensions

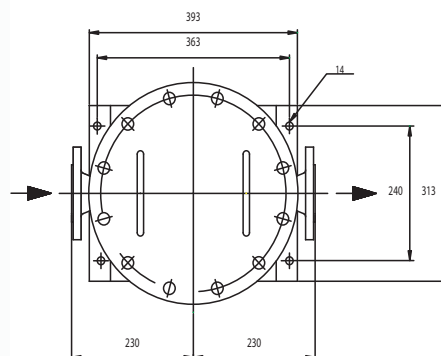
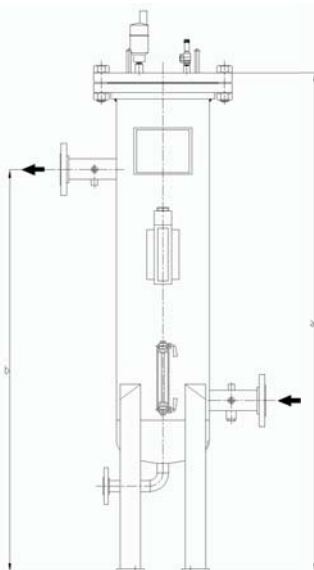
Model No.	Connections		a	b
	DIN	ANSI		
FW9-S-1/235	65	3	600	400
FW9-S-1/279	65	3	650	450
FW9-S-1/362	65	3	730	530
FW9-S-1/467	65	3	835	635
FW9-S-1/565	65	3	935	735
FW9-S-1/727	65	3	1095	895
FW9-S-1/842	65	3	1210	1010



### Flow Process Description

The process of filtration und separation takes place in two element stages. In the first stage, known as the Coalescer stage, during flow through the element from the inside to outside solid particles are retained by the star-shaped folded paper layers. At the same time emulsion separation begins in the pleated paper section. Next the fuel-water mixture flows through the Coalescer part of the element. Due to its hydrophobic and hydrophilic properties very small and fine water droplets coalesce by retardation, acceleration and deflection of the liquid flow to form larger droplets. Afterwards they drop into the water sump because of their higher specific weight.

The second stage Separator elements separates the smallest water droplets which have been swept along in the Filter/Water Separator by velocity. These are retained at the hydrophobic coated surface of the Separator elements and then also collect as a sediment in the water sump.



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# FW10-H Filter/Water Separator Series

Sample of marking:

**FW10-H-10/1093-16**

Series ————  
 Quantity of coalescer elements ————  
 Design pressure (bar) ————  
 length of coalescer element ————

## Technical Details

- for stationary application
- according to API/IP 1581 5<sup>th</sup> Edition, Category C, Type S
- for Jet A1, JP 1, JP 4, JP 8, kerosene
- maximum flow rates up to 7.720 l/min
- max. 15 ppm free water in the outlet stream
- max. 0,26 mg/l (average) particles in the outlet stream

Model No.	Separator		Max Flow Rate		Volume l	Weight app. kg
	Model	Qty.	l/min	USGPM		
FW10-H- 2/ 559	60.677- 565	1	430	114	153	265
FW10-H- 3/ 559	60.677- 565	1	640	169	197	325
FW10-H- 4/ 559	60.677- 565	2	870	230	261	336
FW10-H- 4/ 727	60.677- 565	2	1110	293	261	346
FW10-H- 6/ 559	60.677- 565	2	1300	343	361	410
FW10-H- 5/ 727	60.677- 565	2	1390	367	323	521
FW10-H- 6/ 727	60.677- 727	2	1680	444	410	570
FW10-H- 6/ 842	60.677- 842	2	2010	531	445	587
FW10-H- 5/1093	60.677- 965	2	2290	605	428	593
FW10-H- 6/ 965	60.677- 965	2	2350	621	483	609
FW10-H- 5/1422	60.677-1188	2	2970	785	480	643
FW10-H- 7/1093	60.677- 842	3	3220	851	544	718
FW10-H- 6/1422	60.677- 965	3	3560	941	572	869
FW10-H- 7/1422	60.677-1093	3	4150	1096	616	943
FW10-H- 8/1422	60.677-1188	3	4690	1239	802	1022
FW10-H- 9/1422	60.677-1093	4	5340	1411	905	1195
FW10-H-10/1422	60.677-1188	4	5940	1569	993	1536
FW10-H-11/1422	60.677-1093	5	6530	1725	1062	1584
FW10-H-12/1422	60.677-1188	5	7120	1881	1115	1584
FW10-H-13/1422	60.677-1188	5	7720	2040	1115	1834



### Flow Process Description

The process of filtration und separation takes place in two element stages. In the first stage, known as the Coalescer stage, during flow through the element from the inside to outside solid particles are retained by the star-shaped folded paper layers. At the same time emulsion separation begins in the pleated paper section. Next the fuel-water mixture flows through the Coalescer part of the element. Due to its hydrophobic and hydrophilic properties very small and fine water droplets coalesce by retardation, acceleration and deflection of the liquid flow to form larger droplets. Afterwards they drop into the water sump because of their higher specific weight.

The second stage Separator elements separates the smallest water droplets which have been swept along in the Filter/Water Separator by velocity. These are retained at the hydrophobic coated surface of the Separator elements and then also collect as a sediment in the water sump.

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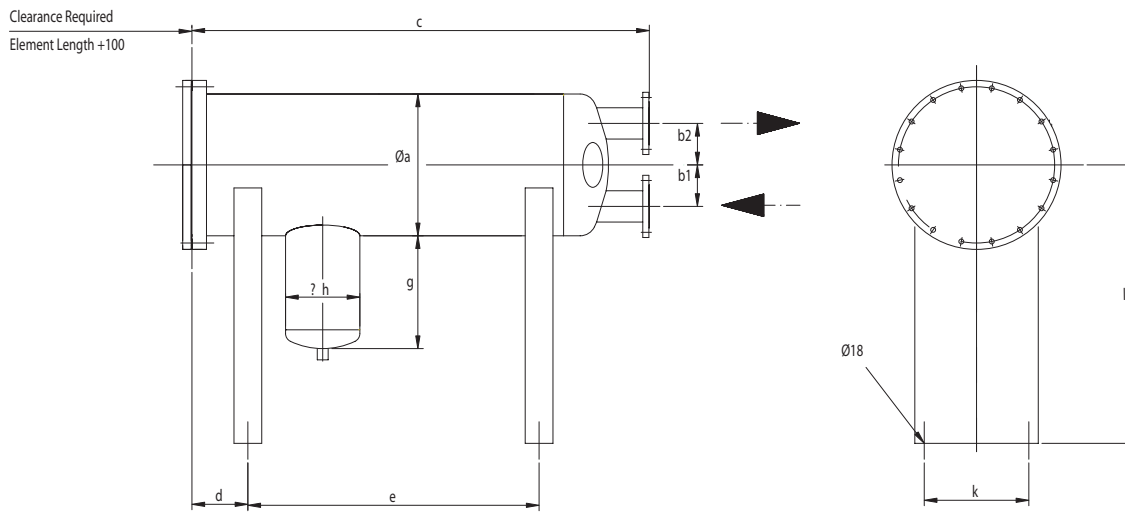
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# FW10-H Filter/Water Separator Series

## Dimensions in mm



Model No.	Connections		$\varnothing a$	$b_1$	$b_2$	$c$	$d$	$e$	$g$	$\varnothing h$	$k$	$l$
	DIN	ANSI										
FW10-H- 2/ 559	100	4	450	125	125	1010	150	470	475	324	300	1230
FW10-H- 3/ 559	100	4	500	125	125	1080	180	480	475	324	370	1230
FW10-H- 4/ 559	100	4	550	125	125	1235	200	550	475	324	390	1230
FW10-H- 4/ 727	100	4	550	125	125	1235	200	550	475	324	390	1230
FW10-H- 6/ 559	100	4	650	150	150	1280	200	560	475	324	500	1295
FW10-H- 5/ 727	100	4	600	150	150	1300	200	620	475	324	450	1230
FW10-H- 6/ 727	125	5	650	150	150	1440	200	725	475	324	500	1295
FW10-H- 6/ 842	125	5	650	150	150	1555	250	790	475	324	500	1295
FW10-H- 5/1093	125	5	600	150	150	1700	200	1000	475	324	450	1230
FW10-H- 6/ 965	150	6	650	150	150	1680	250	910	475	324	500	1295
FW10-H- 5/1422	150	6	600	150	150	1895	200	1200	475	324	450	1230
FW10-H- 7/1093	150	6	700	135	135	1640	250	850	475	324	550	1445
FW10-H- 6/1422	200	8	700	180	180	1965	250	1100	475	324	500	1295
FW10-H- 7/1422	200	8	700	180	180	1995	250	1170	475	324	550	1445
FW10-H- 8/1422	200	8	750	180	180	1980	280	1150	600	406	600	1470
FW10-H- 9/1422	200	8	800	180	180	1980	280	1150	600	406	650	1495
FW10-H-10/1422	200	8	850	180	180	1980	280	1150	600	406	700	1520
FW10-H-11/1422	250	10	900	210	245	1990	280	1150	600	406	750	1545
FW10-H-12/1422	250	10	900	210	245	1990	280	1150	600	406	750	1545
FW10-H-13/1422	250	10	950	210	245	2000	280	1150	600	406	750	1570

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Filter/Water Separators

# FW10-H-T Filter/Water Separator Series

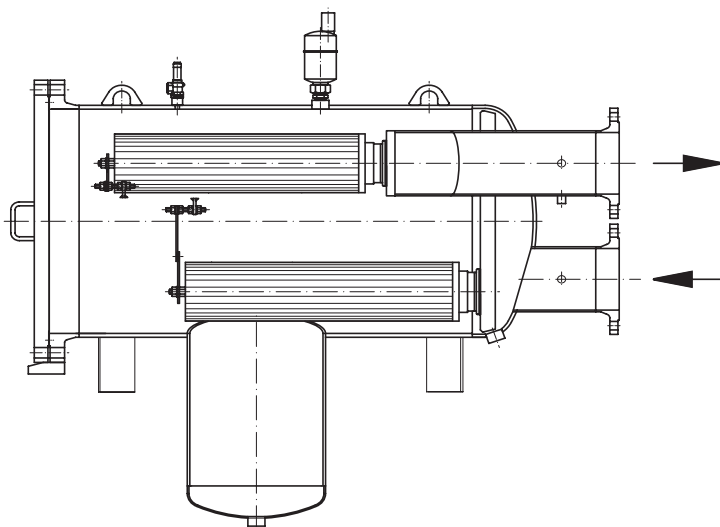
Sample of marking: **FW10-H-T-10/1093-16**



## Technical Details

- for mobile application
- according to API/IP 1581 5<sup>th</sup> Edition, Category C, Type S
- for Jet A1, JP 1, JP 4, JP 8, kerosene
- maximum flow rates up to 7.720 l/min
- max. 15 ppm free water in the outlet stream
- max. 0,26 mg/l (average) particles in the outlet stream

### Flow Process Description



The process of filtration und separation takes place in two element stages. In the first stage, known as the Coalescer stage, during flow through the element from the inside to outside solid particles are retained by the star-shaped folded paper layers. At the same time emulsion separation begins in the pleated paper section. Next the fuel-water mixture flows through the Coalescer part of the element. Due to its hydrophobic and hydrophilic properties very small and fine water droplets coalesce by retardation, acceleration and deflection of the liquid flow to form larger droplets. Afterwards they drop into the water sump because of their higher specific weight.

The second stage Separator elements separates the smallest water droplets which have been swept along in the Filter/Water Separator by velocity. These are retained at the hydrophobic coated surface of the Separator elements and then also collect as a sediment in the water sump.

Model No.	Separator		Max Flow Rate		Volume l	Weigth app. kg
	Model	Qty.	l/min	USGPM		
FW10-H-T 2/ 559	60.677- 565	1	430	114	153	238
FW10-H-T 3/ 559	60.677- 565	1	640	169	197	310
FW10-H-T 4/ 559	60.677- 565	2	870	230	261	321
FW10-H-T 4/ 727	60.677- 565	2	1110	293	261	325
FW10-H-T 6/ 559	60.677- 565	2	1300	343	361	373
FW10-H-T 5/ 727	60.677- 565	2	1390	367	323	476
FW10-H-T 6/ 727	60.677- 727	2	1680	444	410	549
FW10-H-T 6/ 842	60.677- 842	2	2010	531	445	561
FW10-H-T 6/ 965	60.677- 965	2	2350	621	483	581
FW10-H-T 6/1093	60.677-1093	2	2760	729	538	601
FW10-H-T 7/1093	60.677- 842	3	3220	851	544	705
FW10-H-T 6/1422	60.677- 965	3	3560	941	572	844
FW10-H-T 7/1422	60.677-1093	3	4150	1096	616	917
FW10-H-T 8/1422	60.677-1188	3	4690	1239	802	982
FW10-H-T 9/1422	60.677-1093	4	5340	1411	905	1150
FW10-H-T10/1422	60.677-1188	4	5940	1569	993	1480
FW10-H-T11/1422	60.677-1093	5	6530	1725	1062	1531
FW10-H-T12/1422	60.677-1188	5	7120	1881	1115	1531

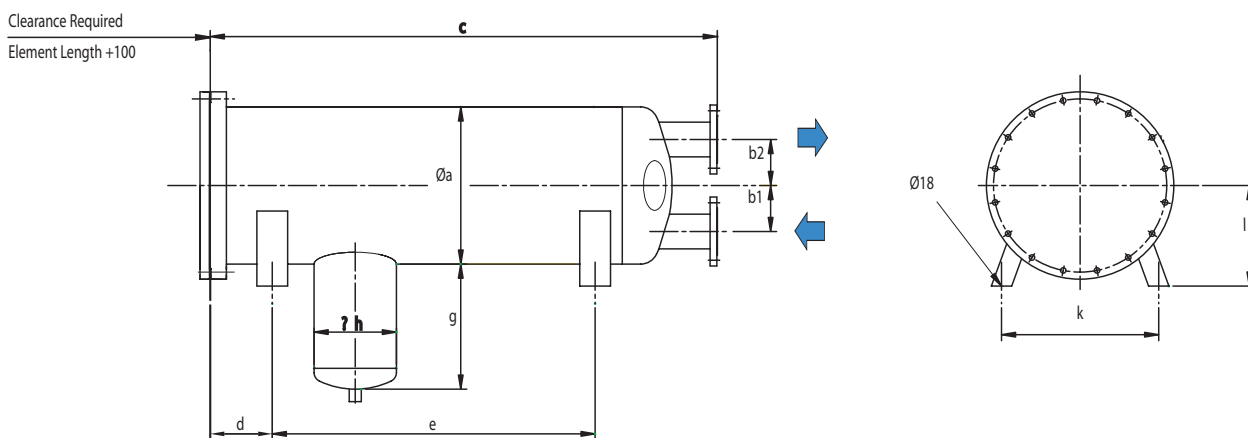
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# FW10-H-T Filter/Water Separator Series

## Dimensions in mm



Model No.	Connections		Ø a	b1	b2	c	d	e	g	Ø h	k	l	min ID vessel
	DIN	ANSI											
FW10-H-T 2/ 559	100	4	450	125	125	1010	150	470	350	324	450	275	413
FW10-H-T 3/ 559	100	4	500	125	125	1080	180	480	350	324	500	300	468
FW10-H-T 4/ 559	100	4	550	125	125	1235	200	550	350	324	550	325	530
FW10-H-T 4/ 727	100	4	550	125	125	1235	200	550	350	324	550	325	530
FW10-H-T 6/ 559	100	4	650	150	150	1280	200	560	350	324	650	375	628
FW10-H-T 5/ 727	100	4	600	150	150	1300	200	620	350	324	600	350	578
FW10-H-T 6/ 727	125	5	650	150	150	1440	200	725	350	324	650	375	628
FW10-H-T 6/ 842	125	5	650	150	150	1555	250	790	350	324	650	375	628
FW10-H-T 6/ 965	150	6	650	150	150	1680	250	910	350	324	650	375	628
FW10-H-T 6/1093	150	6	650	150	150	1855	250	1090	350	324	650	375	628
FW10-H-T 7/1093	150	6	700	135	135	1640	250	850	350	324	700	400	662
FW10-H-T 6/1422	200	8	700	180	180	1965	250	1100	350	324	700	400	650
FW10-H-T 7/1422	200	8	700	180	180	1995	250	1170	350	324	700	400	662
FW10-H-T 8/1422	200	8	750	180	180	1980	280	1150	350	406	750	425	718
FW10-H-T 9/1422	200	8	800	180	180	1980	280	1150	350	406	800	450	768
FW10-H-T10/1422	200	8	850	180	180	1980	280	1150	350	406	850	475	818
FW10-H-T11/1422	250	10	900	210	245	1990	280	1150	350	406	900	500	876
FW10-H-T12/1422	250	10	900	210	245	1990	280	1150	350	406	900	500	876
FW10-H-T13/1422	250	10	950	210	245	2000	280	1150	350	406	950	525	910

Filter/Water Separators

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# FW10-V Filter/Water Separator Series

Sample of marking:

**FW10-V-10/1093-16**

Quantity of coalescer elements      Series      Design pressure (bar)  
 length of coalescer element

## Technical Details

- for stationary application
- according to API/IP 1581 5<sup>th</sup> Edition, Category C, Type S
- for Jet A1, JP 1, JP 4, JP 8, kerosene
- maximum flow rates up to 8.550 l/min
- max. 15 ppm free water in the outlet stream
- max. 0,26 mg/l (average) particles in the outlet stream

Model No.	Separator		Max Flow Rate		Volume l	Weight app. kg
	Model	Qty.	l/min	USGPM		
FW10-V- 3/ 559	60.677- 565	1	580	153	257	325
FW10-V- 5/ 559	60.677- 565	2	980	259	376	515
FW10-V- 5/ 727	60.677- 565	2	1260	333	413	533
FW10-V- 5/ 842	60.677- 727	2	1510	399	458	560
FW10-V- 5/1093	60.677- 965	2	2060	544	532	593
FW10-V- 5/1422	60.677-1188	2	2660	703	627	643
FW10-V- 8/ 965	60.677- 842	3	2830	748	903	886
FW10-V- 9/ 965	60.677- 965	3	3190	843	942	932
FW10-V- 8/1093	60.677- 965	3	3300	872	975	945
FW10-V-10/ 965	60.677- 727	5	3540	935	1433	1402
FW10-V- 9/1093	60.677-1188	3	3710	980	1037	971
FW10-V-11/ 965	60.677- 727	5	3890	1028	1433	1402
FW10-V-10/1093	60.677- 727	5	4140	1094	1544	1446
FW10-V- 8/1422	60.677-1188	3	4260	1125	1161	1022
FW10-V-10/1422	60.677- 842	5	4500	1189	1773	1536
FW10-V-11/1093	60.677- 965	5	4550	1202	1544	1446
FW10-V- 9/1422	60.677- 842	5	4800	1268	1473	1195
FW10-V-10/1422	60.677- 965	5	5330	1408	1773	1536
FW10-V-11/1422	60.677-1093	5	5870	1551	1832	1584
FW10-V-12/1422	60.677-1093	5	6400	1691	1861	1584
FW10-V-13/1422	60.677-1093	6	6930	1831	2232	1834
FW10-V-14/1422	60.677-1188	6	7470	1974	2232	1834
FW10-V-15/1422	60.677-1188	6	8010	2116	2232	1834
FW10-V-16/1422	60.677-1188	6	8550	2259	2232	1834



### Flow Process Description

The process of filtration und separation takes place in two element stages. In the first stage, known as the Coalescer stage, during flow through the element from the inside to outside solid particles are retained by the star-shaped folded paper layers. At the same time emulsion separation begins in the pleated paper section. Next the fuel-water mixture flows through the Coalescer part of the element. Due to its hydrophobic and hydrophilic properties very small and fine water droplets coalesce by retardation, acceleration and deflection of the liquid flow to form larger droplets. Afterwards they drop into the water sump because of their higher specific weight.

The second stage Separator elements separates the smallest water droplets which have been swept along in the Filter/Water Separator by velocity. These are retained at the hydrophobic coated surface of the Separator elements and then also collect as a sediment in the water sump.

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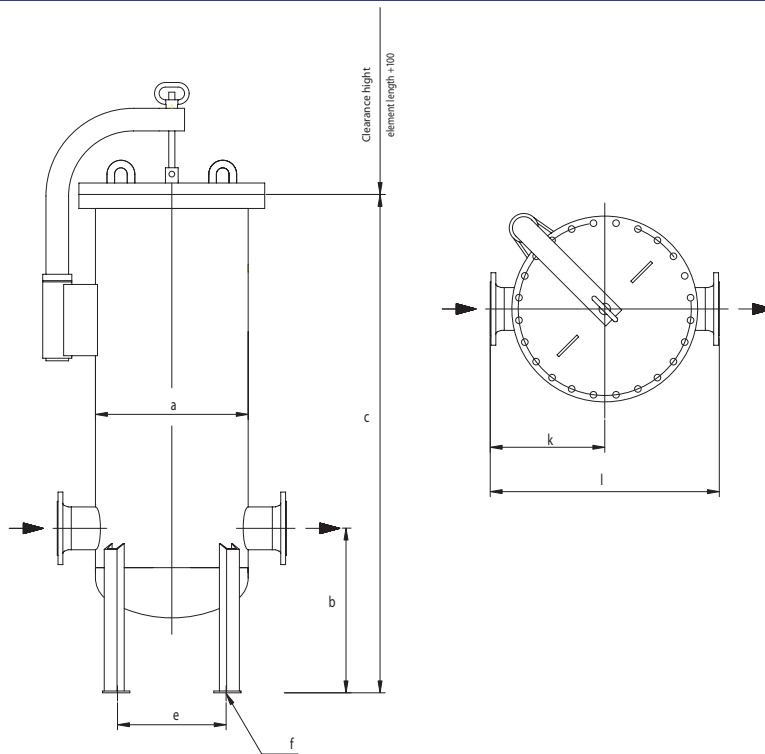
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Filter/Water Separators

# FW10-V Filter/Water Separator Series

## Dimensions in mm



Model No.	Connections		k		l		Ø a	b	c	e	f
	DIN	ANSI	DIN	ANSI	DIN	ANSI					
FW10-V- 3/ 559	100	4	251	275	583	631	500	200	1615	500	19
FW10-V- 5/ 559	100	4	339	363	698	746	600	200	1640	600	24
FW10-V- 5/ 727	100	4	339	363	698	746	600	200	1750	600	24
FW10-V- 5/ 842	125	5	380	414	712	780	650	230	1960	650	24
FW10-V- 5/1093	125	5	380	414	712	780	650	230	2240	650	24
FW10-V- 5/1422	150	6	419	453	857	925	700	250	2430	650	24
FW10-V- 8/ 965	150	6	453	487	939	1007	800	250	2030	800	24
FW10-V- 9/ 965	200	8	536	576	1105	1184	800	250	2170	800	24
FW10-V- 8/1093	200	8	536	576	1105	1184	800	250	2290	800	24
FW10-V-10/ 965	200	8	534	576	1160	1239	1000	250	2150	1000	28
FW10-V- 9/1093	200	8	536	576	1105	1184	800	250	2400	800	24
FW10-V-11/ 965	200	8	534	576	1160	1239	1000	250	2150	1000	28
FW10-V-10/1093	200	8	534	576	1160	1239	1000	250	2300	1000	28
FW10-V- 8/1422	200	8	536	576	1105	1184	800	250	2590	800	24
FW10-V-10/1422	200	8	534	576	1160	1239	1000	250	2600	1000	28
FW10-V-11/1093	200	8	534	576	1160	1239	1000	250	2300	1000	28
FW10-V- 9/1422	200	8	571	610	1130	1209	900	250	2600	900	28
FW10-V-10/1422	200	8	534	574	1160	1239	1000	250	2600	1000	28
FW10-V-11/1422	250	10	618	650	1328	1391	1000	300	2730	1000	28
FW10-V-12/1422	250	10	618	650	1328	1391	1000	300	2730	1000	28
FW10-V-13/1422	250	10	619	651	1329	1392	1100	300	2730	1000	28
FW10-V-14/1422	250	10	619	651	1329	1392	1100	300	2730	1000	28
FW10-V-15/1422	250	10	619	651	1329	1392	1100	300	2730	1000	28
FW10-V-16/1422	250	10	619	651	1329	1392	1100	300	2730	1100	28

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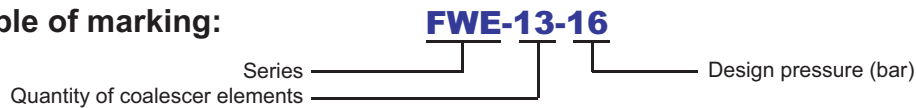
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Filter/Water Separators

# FWE Filter/Water Separator Series

Sample of marking:



## Technical Details

- for stationary application
- according to API 1581 5th Edition Category M, Type S
- for Jet A1, JP 1, JP 4, JP 8, kerosene
- max. flow rates up to 5000 l/min
- max. 15 ppm free water in the outlet stream
- max. 0,26 mg/l (average) particles in the outlet stream

### Flow Process Description

The process of filtration and separation takes place in two element stages. In the first stage, known as the Coalescer stage, during flow through the element from the inside to outside solid particles are retained by the star-shaped folded paper layers. At the same time emulsion separation begins in the pleated paper section. Next the fuel-water mixture flows through the Coalescer part of the element. Due to its hydrophobic and hydrophilic properties very small and fine water droplets coalesce by retardation, acceleration and deflection of the liquid flow to form larger droplets. Afterwards they drop into the water sump because of their higher specific weight.

The second stage Separator elements separate the smallest water droplets which have been swept along in the Filter/Water Separator by velocity. These are retained at the hydrophobic coated surface of the Separator elements and then also collect as a sediment in the water sump.



Filter/Water Separators

Model No.	Coalescer	Separator		Max Flow Rate		Volume l	Weight app. kg
		Model	Qty.	l/min	USGPM		
FWE- 1	Y.1-842/5	60.644-107/D	1	250	66	174	344
FWE- 2	Y.1-842/5	8891749	1	500	132	163	392
FWE- 3	Y.1-842/5	8901373	1	750	198	224	444
FWE- 4	Y.1-842/5	8901373	1	1000	264	285	492
FWE- 5	Y.1-842/5	8938847	1	1250	33	340	544
FWE- 7	Y.1-842/5	9417064	1	1750	462	441	602
FWE- 8	Y.1-842/5	9417064	1	2000	528	582	662
FWE- 9	Y.1-842/5	9428475	1	2250	594	638	697
FWE- 11	Y.1-842/5	8885451	1	2750	727	748	749
FWE- 13	Y.1-842/5	8911240	1	3250	859	937	816
FWE- 17	Y.1-842/5	9415902	1	4250	1123	1111	892
FWE- 20	Y.1-842/5	9411679	1	5000	1321	1344	930

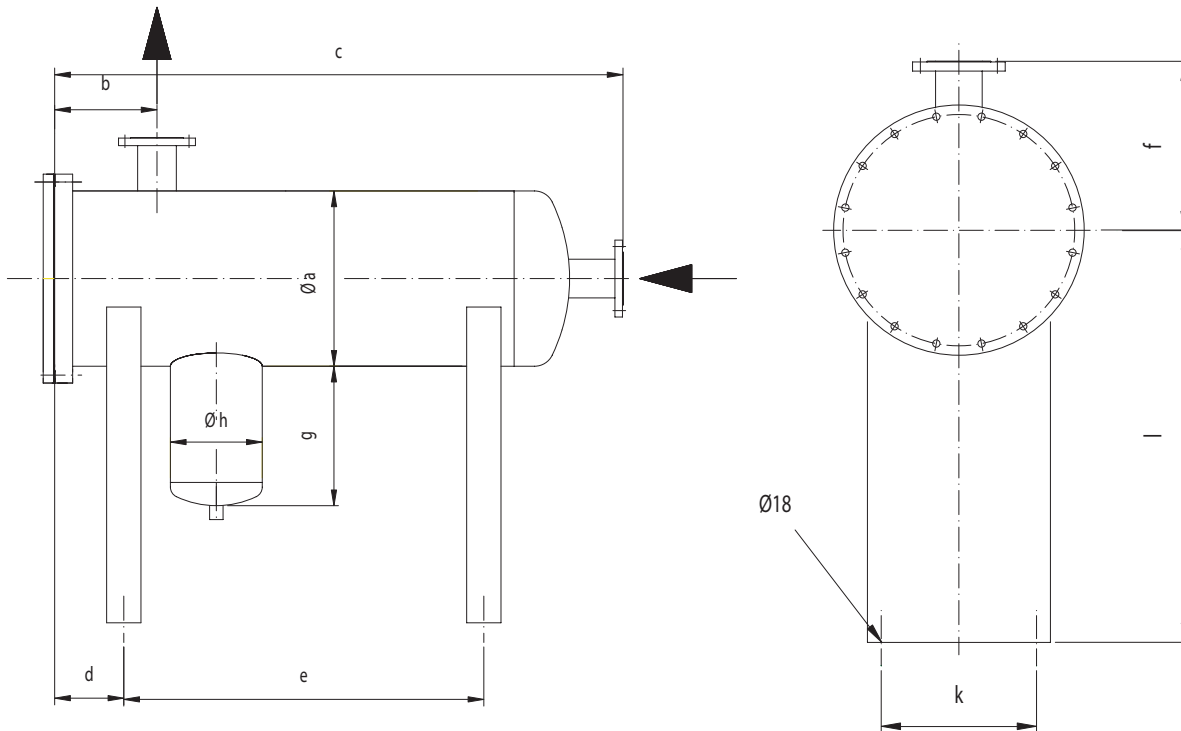
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# FWE Filter/Water Separator Series

## Dimensions in mm



Model No.	DN		$\varnothing a$	b	c	d	e	f	g	$\varnothing h$	k	i
	DIN	ANSI										
FWE- 1	50	2	250	180	1518	250	800	---	300	219	150	710
FWE- 2	65	2,5	355	195	1695	250	1015	325	300	219	200	1230
FWE- 3	80	3	400	225	1775	250	1080	355	475	324	250	1230
FWE- 4	100	4	450	225	1797	250	1080	385	475	324	300	1230
FWE- 5	100	4	500	225	1815	250	1090	420	475	324	350	1230
FWE- 7	125	5	550	247	1880	250	1125	440	475	324	400	1230
FWE- 8	125	5	600	247	1875	250	1120	465	475	324	450	1230
FWE- 9	125	5	650	305	1995	250	1230	490	475	324	500	1295
FWE- 11	150	6	700	300	2015	250	1240	530	475	324	550	1445
FWE- 13	150	6	750	300	2035	250	1230	555	475	324	600	1470
FWE- 17	200	8	850	300	2055	250	1230	595	475	324	700	1495
FWE- 20	200	8	900	375	2210	250	1380	620	475	324	750	1520

Filter/Water Separators

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# FWE-T Filter/Water Separator Series

Sample of marking:



## Technical Details

- for mobile application
- according to API 1581 5th Edition Category M, Type S
- for Jet A1, JP 1, JP 4, JP 8, kerosene
- max. flow rates up to 5000 l/min
- max. 15 ppm free water in the outlet stream
- max. 0,26 mg/l (average) particles in the outlet stream

### Flow Process Description

The process of filtration und separation takes place in two element stages. In the first stage, known as the Coalescer stage, during flow through the element from the inside to outside solid particles are retained by the star-shaped folded paper layers. At the same time emulsion separation begins in the pleated paper section. Next the fuel-water mixture flows through the Coalescer part of the element. Due to its hydrophobic and hydrophilic properties very small and fine water droplets coalesce by retardation, acceleration and deflection of the liquid flow to form larger droplets. Afterwards they drop into the water sump because of their higher specific weight.

The second stage Separator elements separates the smallest water droplets which have been swept along in the Filter/Water Separator by velocity. These are retained at the hydrophobic coated surface of the Separator elements and then also collect as a sediment in the water sump.



Model No.	Coalescer	Separator		Max Flow Rate		Volume l	Weigth app. kg
		Model	Qty.	l/min	USGPM		
FWE-T 1	Y.1-842/5	60.644-107/D	1	250	66	174	305
FWE-T 2	Y.1-842/5	8891749	1	500	132	163	345
FWE-T 3	Y.1-842/5	8901373	1	750	198	224	397
FWE-T 4	Y.1-842/5	8901373	1	1000	264	285	441
FWE-T 5	Y.1-842/5	8938847	1	1250	330	340	494
FWE-T 7	Y.1-842/5	9417064	1	1750	462	441	511
FWE-T 8	Y.1-842/5	9417064	1	2000	528	582	544
FWE-T 9	Y.1-842/5	9428475	1	2250	594	638	512
FWE-T 11	Y.1-842/5	8885451	1	2750	727	748	628
FWE-T 13	Y.1-842/5	8911240	1	3250	859	937	720
FWE-T 17	Y.1-842/5	9415902	1	4250	1123	1111	816
FWE-T 20	Y.1-842/5	9411679	1	5000	1321	1344	840

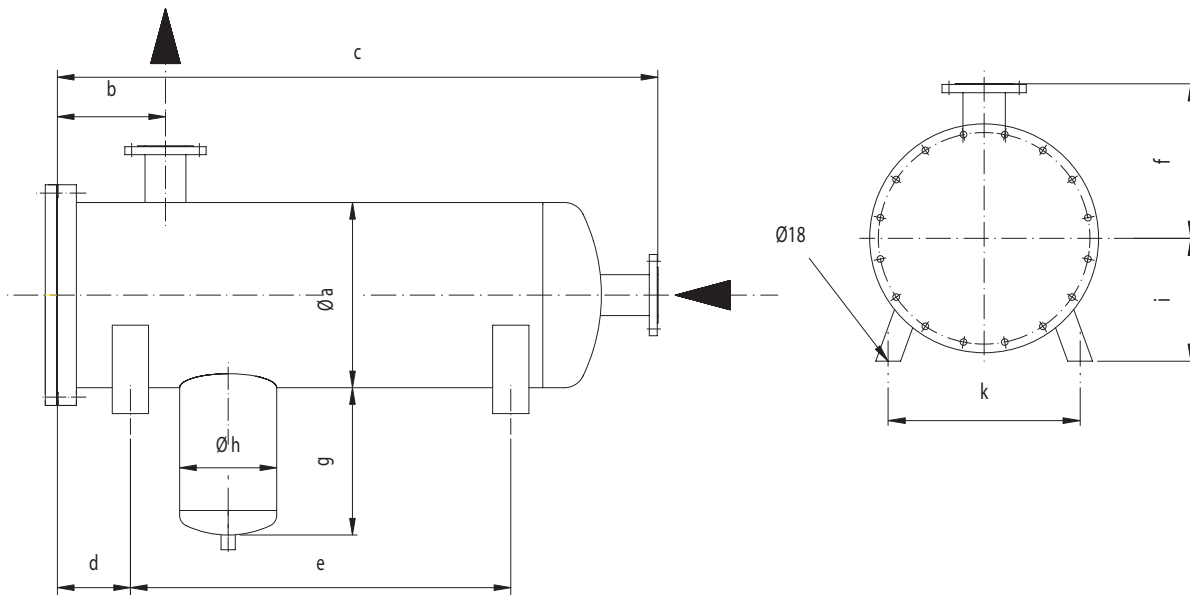
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# FWE-T Filter/Water Separator Series

Dimensions in mm



Model No.	DN		Ø a	b	c	d	e	f	g	Ø h	k	i
	DIN	ANSI										
FWE-T 1	50	2	250	180	1518	250	800	---	300	219	250	175
FWE-T 2	65	2,5	355	195	1695	250	1015	325	300	219	355	230
FWE-T 3	80	3	400	220	1775	250	1080	355	475	324	400	250
FWE-T 4	100	4	450	225	1797	250	1080	385	475	324	450	275
FWE-T 5	100	4	500	225	1815	250	1090	420	475	324	500	300
FWE-T 7	125	5	550	247	1880	250	1125	440	475	324	550	325
FWE-T 8	125	5	600	247	1875	250	1120	465	475	324	600	350
FWE-T 9	125	5	650	305	1995	250	1230	490	475	324	650	375
FWE-T 11	150	6	700	300	2015	250	1240	530	475	324	700	400
FWE-T 13	150	6	750	300	2035	250	1230	555	475	324	750	425
FWE-T 17	200	8	850	300	2055	250	1230	595	475	324	850	475
FWE-T 20	200	8	900	375	2210	250	1380	620	475	324	900	500

Filter/Water Separators

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