

Multimedia
filters

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www.mellifiq.com

FlexKarb™ multimedia and carbon filters

Produced and CE-marked according to the Pressure
Equipment Directive (PED).



Flow rates, pressure and weights

TF TFB	Flow rate ¹ nominal [m ³ /h]	Design pressure [bar]	Transport weight [kg]		Weight ² in operation app. [kg]
			Pressure filter app.	Pipe system app.	
10	10	6.2	660	90	3,050
12	12	7.0	750	90	3,700
14	14	6.8	790	90	4,350
17	17	6.0	855	110	5,250
20	20	5.2 7.0	935 1,055	110	6,150 6,250
25	25	4.3 7.0	1,090 1,225	110	8,100 8,250
30	30	4.0 6.6	1,180 1,320	120	9,200 9,350
35	35	3.5 6.2	1,260 1,440	120	10,350 10,550
40	40	5.5 7.0	1,620 1,810	120	11,900 12,100
50	50	4.5 6.5	1,980 2,320	150	16,200 16,550
60	60	4.0 6.1	2,250 2,660	150	19,500 19,900
75	75	3.4 6.6	2,560 3,200	190	23,250 23,900
100	100	4.0 6.0	3,760 4,040	190	29,500 29,800

¹ Nominal filtration velocity: 15 m/h. Depending on application, the flow rate can be higher or lower.

² Total filter weight with pipe system, filling [1.5 kg/litre] and water. All weights are approximate and depending of design, pressure and type of filling.



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Surface coating and water temperature, pressure filter

TF-TFB	Inside coating	Water temperature max. [°C]	Outside coating	Corrosivity category
10-20	Polyethylene coating (PPA)	35	Polyethylene coating (PPA)	C5-M
25-100	Epoxy coating	35	Epoxy paint	C5-I

Surface coating and water temperature, pipe system

Pipe system	Inside coating	Water temperature max. [°C]	Outside coating	Corrosivity category
Coated	Polyethylene coating (PPA)	35	Polyethylene coating (PPA)	C5-M
Stainless steel	AISI 316	35	AISI 316	C5-I

Valve options for pipe system

Control	Inside coating	Control air [bar]	Supply voltage
Automatic (TFB)	One pneumatic actuator for four valves Individual actuators (option)	5-6	230 V, 50 Hz, transformed to 24VDC
Manual (TF)	Four individual valves	N/A	N/AW

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Measurements and connections

TF TFB	A' ±20 [mm]	B' ±10 [mm]	C ±5 [mm]	D' ±25 [mm]	E2 [DN]	F [Rp]	G ±10 [mm]	H ±10 [mm]	J ±10 [mm]	K ±10 [mm]	L' ±10 [mm]	P ±5 [mm]	Q ±5 [mm]	S ±5 [mm]	T [DN]	U [mm]
10	1150	1020	900	2840	65	1½	1150	1450	1750	2050	1245	250	760	270	50	1000
12	1250	1120	1000	2870	65	1½	1150	1450	1750	2050	1345	250	860	270	50	1100
14	1350	1220	1100	2890	65	1½	1150	1450	1750	2050	1445	250	960	300	50	1200
17	1470	1320	1200	2940	80	1½	1150	1450	1750	2050	1595	250	1060	330	50	1300
20	1570	1420	1300	2950	80	1½	1150	1450	1750	2050	1675	250	1160	360	50	1400
25	1770	1620	1500	2990	80	1½	1150	1450	1750	2050	1875	250	1360	410	50	1600
30	1900	1720	1600	3000	100	1½	1150	1450	1750	2050	2015	255	1380	440	50	1700
35	2000	1820	1700	3030	100	1½	1150	1450	1750	2050	2115	255	1470	470	50	1800
40	2100	1920	1800	3050	100	1½	1150	1450	1750	2050	2215	255	1560	500	50	1900
50	2440	2220	2100	3140	125	1½	1210	1510	1810	2110	2570	260	1680	590	50	2200
60	2640	2420	2300	3220	125	1½	1250	1550	1850	2150	2770	260	1840	650	50	2400
75	2875	2620	2500	3300	150	1½	1300	1600	1900	2200	3025	260	2000	710	50	2600
100	3275	3020	2900	3470	150	1½	1380	1680	1980	2280	3425	260	2320	830	50	3000

¹ Recommended free space (pay attention to local requirements):

- Around the filter, minimum: 300 mm.
- Above the filter, minimum: 500 mm.
- Between two filters, minimum: 500 mm.

² Total filter weight with pipe system, filling [1.5 kg/litre] and water. All weights are approximate and depending of design, pressure and type of filling.

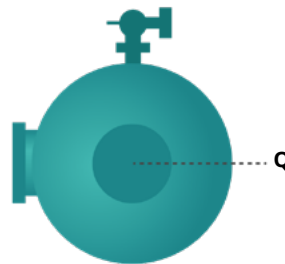
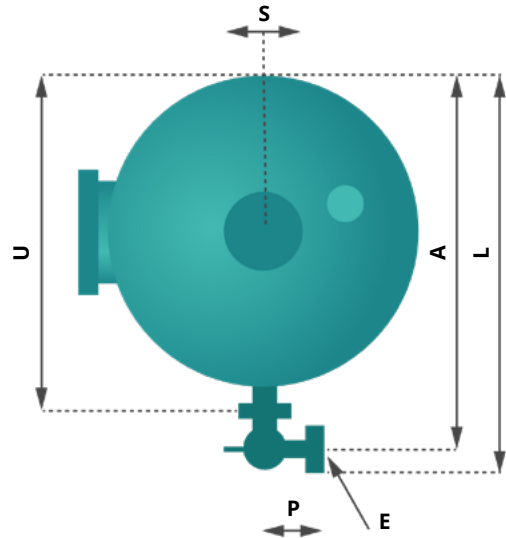
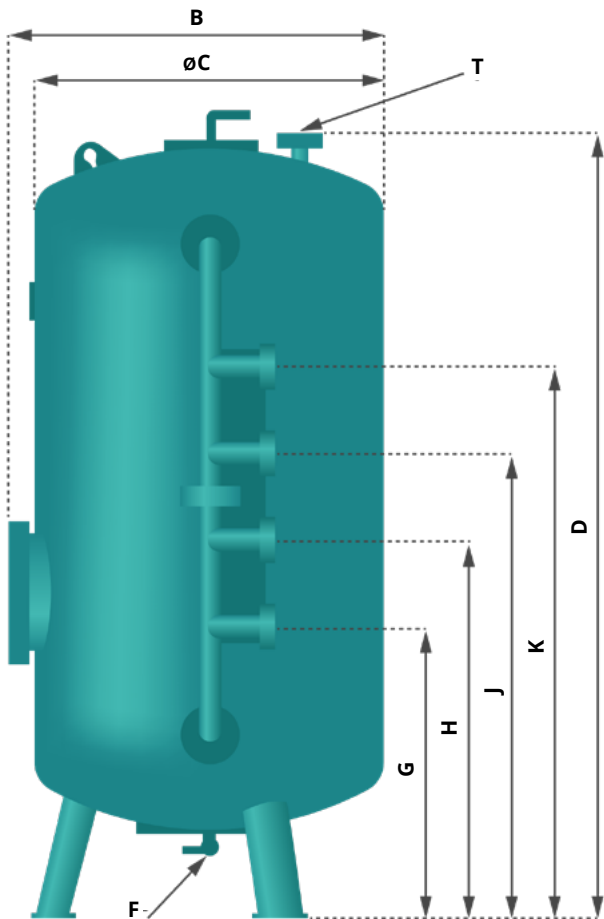
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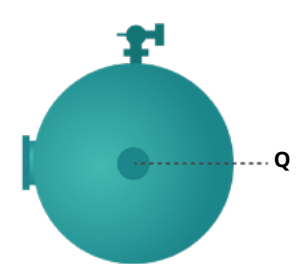
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TF-TFB 10-60: 3 legs



TF-TFB 10-60: 4 legs



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