

DATA SHEET

**F • FV • FK • FT • CT**

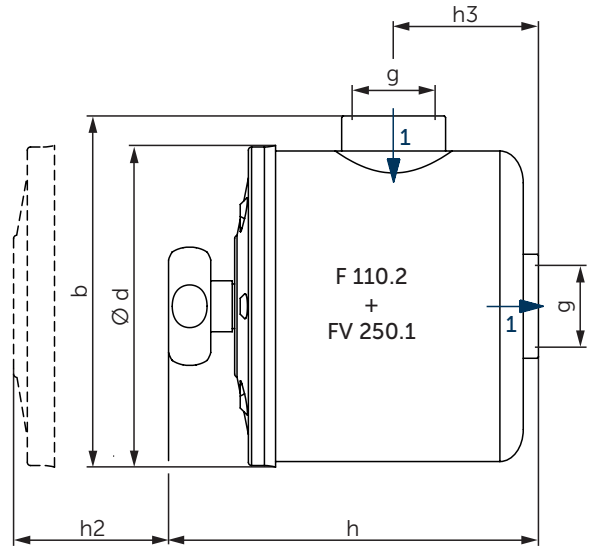
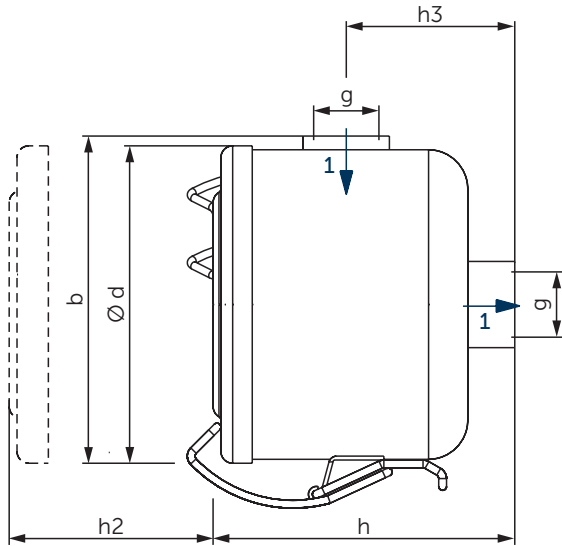
**FILTERS**

**MAKE IT BECKER.**



## F • FV FILTERS

for vacuum pumps and compressors  
filter housing incl. filter cartridge



1 Flow direction

				mm [inch]					
				g	b	Ød	h	h2 <sup>1)</sup>	h3
<b>F6</b>				G <sup>3</sup> / <sub>8</sub>	81–87 [3.2–3.4]	77–80 [3.0–3.2]	75–79 [3.0–3.1]	60 [2.4]	40–44 [1.6–1.7]
<b>F10</b>	<b>F10/2</b>			G <sup>3</sup> / <sub>4</sub>	102–112 [4.0–4.4]	95–102 [3.7–4.0]	85–92 [3.3–3.6]	71 [2.8]	52–56 [2.0–2.2]
<b>F35</b>	<b>F35/2</b>			G1 <sup>1</sup> / <sub>4</sub>	142–148 [5.6–5.8]	133–139 [5.2–5.5]	98–100 [3.9–3.9]	75 [3.0]	53–57 [2.1–2.2]
<b>F110</b>	<b>F111</b>	<b>F112</b>		G1 <sup>1</sup> / <sub>4</sub>	179–188 [7.1–7.4]	170–175 [6.7–6.9]	154–172 [6.1–6.8]	130 [5.1]	93–95 [3.6–3.7]
<b>FV200</b>	<b>FV202</b>			G2	213–228 [8.4–9.0]	200–205 [7.9–8.1]	245–260 [9.7–10.2]	220 [8.7]	133–135 [5.2–5.3]
<b>FV250</b>	<b>FV251</b>	<b>FV252</b>	<b>FV250.3</b>	G2 <sup>1</sup> / <sub>2</sub>	213–228 [8.4–9.0]	200–205 [7.9–8.1]	245–260 [9.7–10.2]	220 [8.7]	124–126 [4.9–5.0]
<b>FV540</b>	<b>FV541</b>	<b>FV542</b>	<b>FV540.4</b>	G4	332–337 [13.1–13.3]	270–274 [10.6–10.8]	263–268 [10.4–10.6]	165 [6.5]	159–165 [6.3–6.5]
<b>FV660.4</b>				G4	342–348 [13.5–13.7]	288–292 [11.3–11.5]	496–502 [19.5–19.8]	335 [13.2]	313–317 [12.3–12.5]
<b>F110.2</b>				G1 <sup>1</sup> / <sub>4</sub>	181 [7.1]	170 [6.7]	191 [7.5]	130 [5.1]	93–95 [3.6–3.7]
<b>FV250.1</b>				G2 <sup>1</sup> / <sub>2</sub>	217 [8.5]	200 [7.9]	293 [11.5]	220 [8.7]	124–126 [4.9–5.0]

<sup>1)</sup> Space for removing filter cartridge (removal height)

		Nominal flow rate @ $\Delta p$ 19 mbar	Filtration efficiency nominally	Weight	Order no.	Replacement cartridge
		m <sup>3</sup> /h		kg ( $\pm 25\%$ )	Filter complete	
<b>F 6</b>	PAPER	24	99% @ 2.0 $\mu\text{m}$	0.26	74000010000	90957100000
<b>F 10</b>	PAPER	40	99% @ 2.0 $\mu\text{m}$	0.55	74000105000	84040105000
<b>F 35</b>	PAPER	90	99% @ 2.0 $\mu\text{m}$	1.0	74000107000	84040107000
<b>F 110</b>	PAPER	144	99% @ 2.0 $\mu\text{m}$	1.85	74000207000	84040207000
<b>FV 200</b>	PAPER	300	99% @ 2.0 $\mu\text{m}$	4.3	74000208010	84040110000
<b>FV 250</b>	PAPER	300	99% @ 2.0 $\mu\text{m}$	4.3	74000110000	84040110000
<b>FV 540</b>	PAPER	450	99% @ 2.0 $\mu\text{m}$	14.5	74000112010	84040112000
<b>F 10/2</b>	POLYESTER	40	99% @ 5.0 $\mu\text{m}$	0.55	74000105020	90956500000
<b>F 35/2</b>	POLYESTER	90	99% @ 5.0 $\mu\text{m}$	1.0	74000107030	90956100000
<b>F 112</b>	POLYESTER	144	99% @ 5.0 $\mu\text{m}$	1.85	74000207030	90956600000
<b>FV 202</b>	POLYESTER	300	99% @ 5.0 $\mu\text{m}$	4.3	74000208020	90956700000
<b>FV 252</b>	POLYESTER	300	99% @ 5.0 $\mu\text{m}$	4.3	74000110400	90956700000
<b>FV 542</b>	POLYESTER	450	99% @ 5.0 $\mu\text{m}$	14.5	74000112050	90958900000
<b>FV 250.3</b>	HEPA H14	173	99.97% @ 0.3 $\mu\text{m}$	4.3	74000325000	90955000800
<b>FV 540.4</b>	HEPA H14	450	99.97% @ 0.3 $\mu\text{m}$	14.5	74000112060	90950454000
<b>FV 660.4</b>	HEPA H14	660	99.97% @ 0.3 $\mu\text{m}$	20.0	74000307040	90950466000
<b>F 111</b>	ACTIVATED CARBON		99% @ 3.0–4.0 $\mu\text{m}$	1.85	74000207020	90957500000
<b>FV 251</b>	ACTIVATED CARBON		99% @ 3.0–4.0 $\mu\text{m}$	4.3	74000410000	90954400000
<b>FV 541</b>	ACTIVATED CARBON		99% @ 3.0–4.0 $\mu\text{m}$	14.5	74000112040	90954700000
<b>F 110.2</b>	PAPER	144	99% @ 2.0 $\mu\text{m}$	1.95	74000207011	84040207000
<b>FV 250.1</b>	PAPER	300	99% @ 2.0 $\mu\text{m}$	4.4	74000110100	84040110000

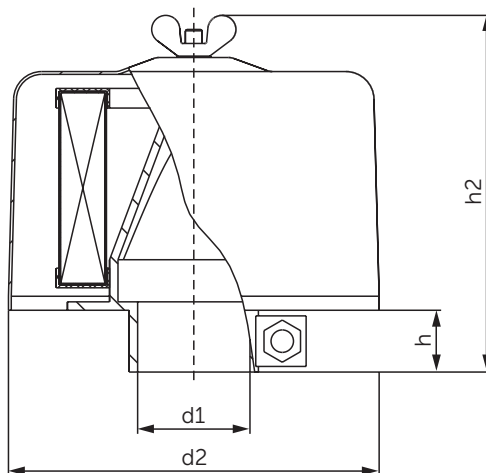
• Filter exchange at pressure difference of 38 mbar (HEPA 25–37 mbar) over initial  $\Delta p$ .

**FK FILTERS**

for compressors

filter housing incl. filter cartridge

a socket is needed for mounting



		Nominal flow rate @ $\Delta p$ 19 mbar m <sup>3</sup> /h	Filtration efficiency nominally	mm [inch]				Weight kg ( $\pm 25\%$ )
				d1	d2	h	h2	
<b>FK 35</b>	PAPER	85	99% @ 2.0 $\mu\text{m}$	39.5–40.3 [1.56–1.59]	130–134 [5.12–5.28]	18–22 [0.71–0.87]	117–127 [4.61–5.00]	0.61
<b>FK 35/2</b>	POLYESTER	94	99% @ 5.0 $\mu\text{m}$	39.5–40.3 [1.56–1.59]	130–134 [5.12–5.28]	18–22 [0.71–0.87]	117–127 [4.61–5.00]	0.61
<b>FK 200</b>	PAPER	150	99% @ 2.0 $\mu\text{m}$	51.5–52.3 [2.03–2.06]	126–134 [4.96–5.28]	17–27 [0.67–1.06]	149–161 [5.87–6.34]	0.71
<b>FK 202</b>	POLYESTER	150	99% @ 5.0 $\mu\text{m}$	51.5–52.3 [2.03–2.06]	126–134 [4.96–5.28]	17–27 [0.67–1.06]	149–161 [5.87–6.34]	0.71
<b>FK 450</b>	PAPER	480	99% @ 2.0 $\mu\text{m}$	80.0–80.3 [3.15–3.16]	198–210 [7.80–8.27]	23–32 [0.91–1.26]	175–190 [6.90–7.49]	1.5
<b>FK 452</b>	POLYESTER	480	99% @ 5.0 $\mu\text{m}$	80.0–80.3 [3.15–3.16]	198–210 [7.80–8.27]	23–32 [0.91–1.26]	175–190 [6.90–7.49]	1.5
<b>FK 1000</b>	PAPER	900	99% @ 2.0 $\mu\text{m}$	100–101 [3.94–3.98]	280–295 [11.03–11.62]	23–30 [0.91–1.18]	210–220 [8.27–8.67]	2.4
<b>FK 1002</b>	POLYESTER	900	99% @ 5.0 $\mu\text{m}$	100–101 [3.94–3.98]	280–295 [11.03–11.62]	23–30 [0.91–1.18]	210–220 [8.27–8.67]	2.4
<b>FK 1500</b>	PAPER	1800	99% @ 2.0 $\mu\text{m}$	180–181 [7.09–7.13]	317–323 [12.49–12.73]	32–65 [1.26–2.56]	270–295 [10.64–11.62]	4.3
<b>FK 1502</b>	POLYESTER	1800	99% @ 5.0 $\mu\text{m}$	180–181 [7.09–7.13]	317–323 [12.49–12.73]	32–65 [1.26–2.56]	270–295 [10.64–11.62]	4.3

		Order no.			
		Filter complete	Replacement cartridge	Filter complete with screw socket	Screw socket
<b>FK 35</b>	PAPER	74000807000	84040107000	74000807020 (1¼")	03920022000 (1¼")
				74000807010 (1½")	03920045000 (1½")
<b>FK 35/2</b>	POLYESTER	74000808000	90956100000		03920022000 (1¼")
					03920045000 (1½")
<b>FK 200</b>	PAPER	74000209000	84040209000	74000209010 (2")	03920047000 (2")
				74000209030 (2½")	74000209030 (2½")
<b>FK 202</b>	POLYESTER	74000219000	90956200000		03920047000 (2")
					74000209030 (2½")
<b>FK 450</b>	PAPER	74001110000	84040910000	74001110020 (2½")	93920118000 (2½")
				74001110010 (3")	73920611000 (3")
<b>FK 452</b>	POLYESTER	74001120000	90956300000		93920118000 (2½")
					73920611000 (3")
<b>FK 1000</b>	PAPER	74000512000	84040112000	74000512010 (4")	03920067000 (4")
<b>FK 1002</b>	POLYESTER	74000513000	90958900000		03920067000 (4")
<b>FK 1500</b>	PAPER	74000416000	90951700000	74000415010 (4")	38318016912 (4")
<b>FK 1502</b>	POLYESTER	74000519000	90952800000	74000519010 (4")	38318016912 (4")

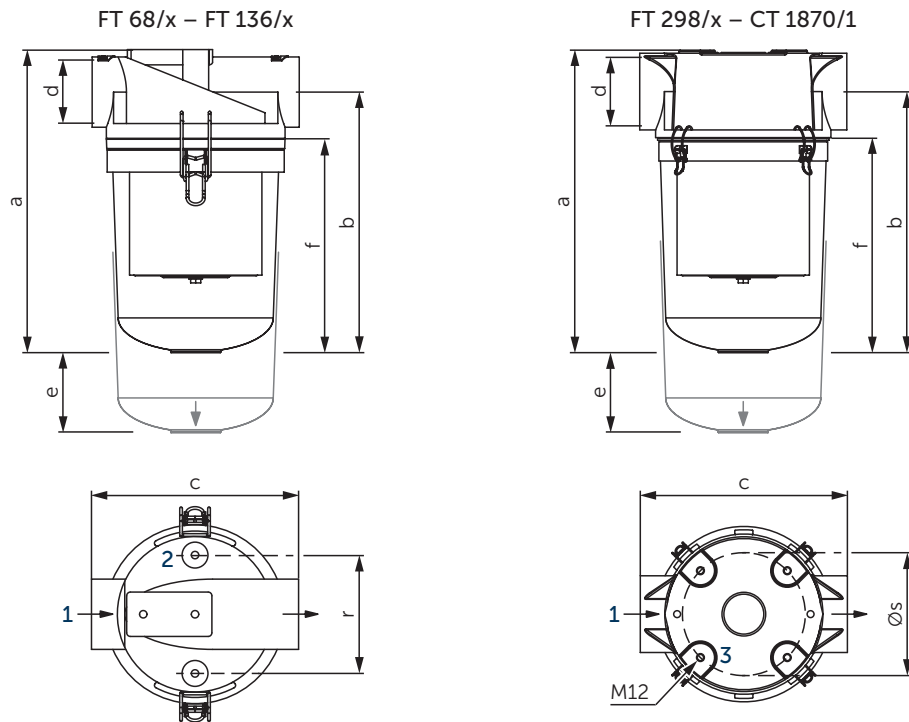
- Filter exchange at pressure difference of 58 mbar (polyester 52 mbar) over initial  $\Delta p$ .

**FT • CT FILTERS**

for vacuum pumps and compressors

filter housing incl. filter cartridge

FT filters with transparent housing, CT filters with black housing



- 1 Flow direction  
 2 Fixing option (to be provided by the customer)  
 3 Fixing holes M12 x 1.75

		d	a	b	c	mm [inch]		r	Øs
						e <sup>1)</sup>	f		
<b>FT 68/1</b>	<b>FT 68/2</b>	1"	340 [13.4]	303 [11.9]	178 [7.0]	260 [10.2]	264 [10.4]	101.6 [4]	–
<b>FT 102/1</b>	<b>FT 102/2</b>	1¼"	340 [13.4]	303 [11.9]	178 [7.0]	260 [10.2]	264 [10.4]	101.6 [4]	–
<b>FT 136/1</b>	<b>FT 136/2</b>	1½"	340 [13.4]	303 [11.9]	178 [7.0]	260 [10.2]	264 [10.4]	101.6 [4]	–
<b>FT 298/1</b>	<b>FT 298/2</b>	2"	413 [16.3]	362 [14.3]	229 [9.0]	260 [10.2]	318 [12.5]	–	133.4 [5.3]
<b>FT 357/1</b>	<b>FT 357/2</b>	2½"	413 [16.3]	362 [14.3]	229 [9.0]	260 [10.2]	318 [12.5]	–	133.4 [5.3]
<b>FT 510/1</b>	<b>FT 510/2</b>	3"	502 [19.8]	432 [17.0]	343 [13.5]	260 [10.2]	356 [14.0]	–	203.2 [8.0]
<b>FT 884/1</b>	<b>FT 884/2</b>	4"	502 [19.8]	432 [17.0]	343 [13.5]	260 [10.2]	356 [14.0]	–	203.2 [8.0]
<b>CT 298/1</b>	<b>CT 298/2</b>	2"	330 [13.0]	276 [10.9]	229 [9.0]	260 [10.2]	229 [9.0]	–	133.4 [5.3]
<b>CT 884/1</b>	<b>CT 884/2</b>	4"	473 [18.6]	410 [16.2]	343 [13.5]	260 [10.2]	330 [13.0]	–	203.2 [8.0]
<b>CT 1870/1</b>		6"	483 [19.0]	368 [14.5]	483 [19.0]	260 [10.2]	251 [9.9]	–	

<sup>1)</sup> Space for removing filter cartridge (removal height)

		Nominal flow rate	Filtration efficiency nominally	Weight	Order no.	Replacement cartridge
		m <sup>3</sup> /h		kg (±25%)	Filter complete	
<b>FT 68/1</b>	PAPER	68	99% @ 2.0 µm	5.0	74002009000	90955000100
<b>FT 68/2</b>	POLYESTER	68	99% @ 5.0 µm	5.0	74002109000	90955000200
<b>FT 102/1</b>	PAPER	102	99% @ 2.0 µm	4.7	74002209000	90955000100
<b>FT 102/2</b>	POLYESTER	102	99% @ 5.0 µm	4.7	74002309000	90955000200
<b>FT 136/1</b>	PAPER	136	99% @ 2.0 µm	4.6	74002409000	90955000100
<b>FT 136/2</b>	POLYESTER	136	99% @ 5.0 µm	4.6	74002509000	90955000200
<b>FT 298/1</b>	PAPER	298	99% @ 2.0 µm	7.2	74002609000	90955000300
<b>FT 298/2</b>	POLYESTER	298	99% @ 5.0 µm	7.2	74002709000	90955000400
<b>FT 357/1</b>	PAPER	357	99% @ 2.0 µm	6.8	74002809000	90955000300
<b>FT 357/2</b>	POLYESTER	357	99% @ 5.0 µm	6.8	74002909000	90955000400
<b>FT 510/1</b>	PAPER	510	99% @ 2.0 µm	13	74003009000	90955500000
<b>FT 510/2</b>	POLYESTER	510	99% @ 5.0 µm	13	74003109000	90955800000
<b>FT 884/1</b>	PAPER	884	99% @ 2.0 µm	11	74003209000	90955500000
<b>FT 884/2</b>	POLYESTER	884	99% @ 5.0 µm	11	74003309000	90955800000
<b>CT 298/1</b>	PAPER	298	99% @ 2.0 µm	7.5	74000116000	90955000500
<b>CT 298/2</b>	POLYESTER	298	99% @ 5.0 µm	7.5	74000117000	90956700000
<b>CT 884/1</b>	PAPER	884	99% @ 2.0 µm	12	74012200000	90955500000
<b>CT 884/2</b>	POLYESTER	884	99% @ 5.0 µm	12	74012800000	90955800000
<b>CT 1870/1</b>	PAPER	1870	99% @ 2.0 µm	20	74013100000	90957900000

- Filter exchange at pressure difference of 58 mbar (polyester 52 mbar) over initial  $\Delta p$ .



**MAKE IT BECKER.**