

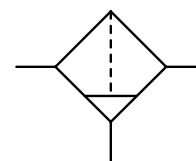
COMPRESSED AIR FILTERS

DESCRIPTION	PRESSURE RANGE	CONNECTION	SERIES	PAGE
	max. bar	thread		
bronze In-Line-Filter	21	G $\frac{1}{4}$ - G $\frac{1}{2}$	137	16.02
In-Line-Filter 0,3 μ m	9	nipple Ø 4, 6 mm	F400	16.02
„Miniature“-Series	21	G $\frac{1}{8}$ u. G $\frac{1}{4}$	F504	16.03
made of plastic	16	G $\frac{1}{8}$ - G1	F035 ... F095	16.04
made of plastic, with FDA-approval	10	G $\frac{1}{8}$ - G $\frac{3}{4}$	FH	16.06
„Maxi“-Series, robust, block design	17	G $\frac{1}{2}$ - G1	F20	16.07
made of brass, many variations	50	G $\frac{1}{8}$ - G2	FM	16.08
„Standard“-Series, robust	21	G $\frac{3}{4}$ - G2	F602	16.10
Aluminium die casting	17	G $\frac{1}{4}$ - G $\frac{1}{2}$	F510	16.11
Aluminium die casting	17	G $\frac{1}{4}$ - G $\frac{3}{4}$	F520	16.12
Aluminium die casting	17	G $\frac{3}{4}$ - G1 $\frac{1}{2}$	F530	16.13
Series „D“, made of aluminium	30	G $\frac{1}{8}$ - G2	FD	16.14
3 μ m pre-filter	16	G $\frac{1}{4}$ - G3	FG.V	16.16
1 μ m fine filter	16	G $\frac{1}{4}$ - G3	FG.Z	16.16
0.01 μ m fine filter	16	G $\frac{1}{4}$ - G3	FG.X	16.17
activated carbon filter	16	G $\frac{1}{4}$ - G3	FG.A	16.17
high pressure filter, also for oxygen	60	G $\frac{3}{8}$ - G1	F445, F465	16.18
filter silencer	16	G $\frac{1}{4}$ - G2	SFE	16.19
Stainless Steel	50	G $\frac{1}{8}$ - G2	F3000	15.33
Stainless Steel	220	G $\frac{1}{4}$ - G1	FH3	15.35
Stainless Steel	500	$\frac{3}{8}$ " NPT - 2" NPT	FB	15.36



16

Description		Micro in-line filter F400
Filter element		Micro in-line filters are widely used in medical and process technology for cleaning compressed air for use in instruments and pneumatic logic systems. The micro in-line filter removes particles, oil and mist from compressed air. Also suitable for vacuum.
Filtration efficiency		The borosilicate micro-filter is manufactured in a special vacuum process which reduces the adhesive properties of the borosilicate fibres down to a minimum in order to achieve outstanding filtering capability. When saturated with oil, the filter turns red to indicate that replacement is required.
Connection		99.999% based on 0.03 µm particle size Operating pressure max. 9 bar Fitted with nipples able to take up hoses of 4.3 mm (11/16") or 6.3 mm (¼") internal diameter. Flow direction from INside to OUTside to be noted.
Description		Bronze in-line filter 137
Filter element		Bronze in-line filter for compressed air with coarse impurities.
Operating pressure		90 µm, 20 µm or optionally 5 µm, made of sintered bronze
Drainage		max. 21 bar with or without manual drain

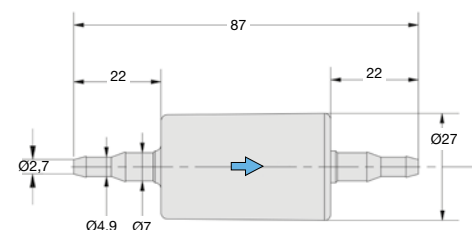


**0.3 µm coalescing
5/20/90 µm**

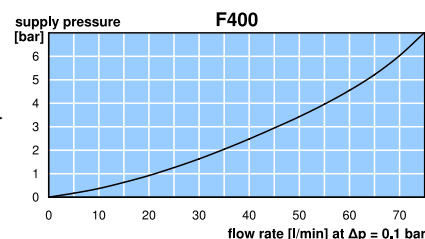
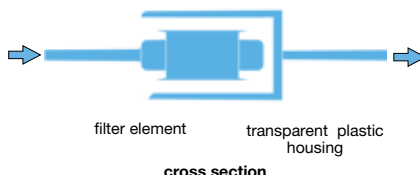
Dimensions			Description	Flow rate		P ₁ max.	Filter element	Connection thread	Order number
A	B	C		m³/h*1	l/min*1				
mm	mm	mm				bar	µm	nipple/G	

Micro in-line filter F400

87	43	Ø 27	borosilicate-micro filter	4.2	70	9	0.3	Ø 4 and Ø 6	F400
----	----	------	---------------------------	-----	----	---	-----	-------------	-------------



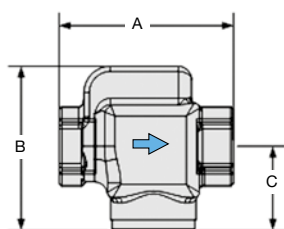
F400



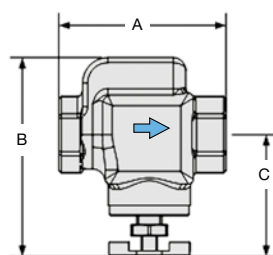
F400

Bronze in-line filter 137

			operating pressure max. 21 bar						137	
Filter	67	63	32	without manual drain	39	650	21	90	G¼	137-02
					42	700			G¾	137-03
					44	740			G½	137-04
					39	650	21	20	G¼	137-02H
					42	700			G¾	137-03H
					44	740			G½	137-04H
	67	79	48	with manual drain	19	320	21	5	G¼	137-02V
					21	350			G¾	137-03V
					22	370			G½	137-04V
					39	650	21	90	G¼	137-02A
					42	700			G¾	137-03A
					44	740			G½	137-04A
Filter	67	79	48	with manual drain	39	650	21	20	G¼	137-02AH
					42	700			G¾	137-03AH
					44	740			G½	137-04AH
					19	320	21	5	G¼	137-02AV
					21	350			G¾	137-03AV
					22	370			G½	137-04AV



137-...



137-...A.



137-04

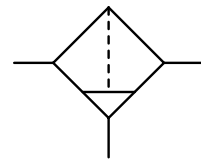


137-04A

*1 at 7 bar operating pressure and 0.1 bar pressure drop



Description	Miniature compressed air filter of small, compact design. Ideal for limited space conditions.
Filter element	20 µm, optionally 5 µm, made of polypropylene
Bowl	plastic or metal version
Drainage	manual drain as standard, for max. 21 bar optionally semiautomatic drain, for max. 12 bar
Operating pressure	max. 11 bar for plastic bowl max. 21 bar for metal bowl
Temperature range	0 °C to 50 °C / 32 °F to 122 °F for plastic bowl and semiautomatic drain version 0 °C to 80 °C / 32 °F to 176 °F for metal bowl for appropriately conditioned compressed air down to -30 °C / -22 °F
Material	Body: aluminium Bowl: polyurethane or zinc die-cast Elastomer: NBR/Buna-N



G¹/₈ and G¹/₄

Dimensions			Bowl	Flow	Supply	Filter	Connection	Order
A	B	C	Design	Capacity	rate	element	thread	number
mm	mm	mm	made of	l	m ³ /h*1	µm	G	

Miniature compressed air filter										F504
										with manual drain
40	106	96	plastic	0.04	36	600	11	20	G ¹ / ₈	F504-01AH
			metal				21			F504-01DH
			plastic		29	480	11	5		F504-01AG
			metal				21			F504-01DG
40	106	96	plastic	0.04	38	640	11	20	G ¹ / ₄	F504-02AH
			metal				21			F504-02DH
			plastic		31	510	11	5		F504-02AG
			metal				21			F504-02DG



F504-02AH



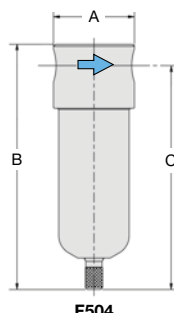
F504-02DH

Special options, add the appropriate letter

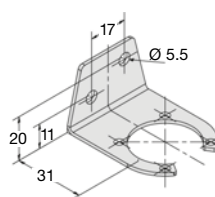
NPT	connection thread	F504-... N
semiautomatic drain	RK500SY, max. 12 bar	F504-... M
automatic drain	RK504SY, max. 12 bar	F504-... R

Accessories, enclosed

mounting bracket	made of steel	BW00-01
-------------------------	---------------	---------



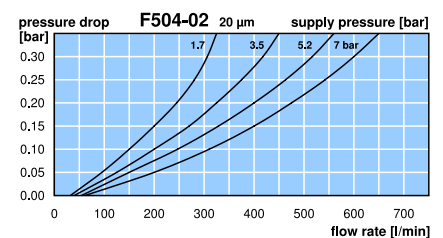
F504



BW00-01



RK500SY



*1 at 7 bar operating pressure and 0.33 bar pressure drop

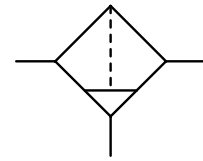
Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net



Order example:
F504-01AH

Description	Filter of modular design which can be interlocked with all other instruments of the same series without need for double nipples. The flow on standard filters is from outside to inside; on coalescing filters 0.1 µm from inside to outside.	
Filter element	5 µm, 20 µm, 80 µm made of sintered polyethylene, 160 µm made of stainless steel, 0.01 µm coalescing filter made of borosilicate and activated carbon filter	
Filtration efficiency	coalescing filter: 99.99% at 0.01 µm particle size, residual oil content < 5 mg/m³	
Bowl	plastic version with bayonet catch, type 042 with connection thread	
Drainage	manual drain in conjunction with semiautomatic drain, optionally automatic drain, no drain for water	
Operating pressure	max. 7 bar at series 035, max. 16 bar at series 042, max. 12.5 bar at series 050 to 095	
Temperature range	0 °C to 50 °C / 32 °F to 122 °F	
Material	Body: nylon, POM at types 035 and 042 Bowl: polyamide	Elastomer: NBR/Buna-N Inner valve: brass



**5 to 160 µm, coalescing
activated carbon filter, G $\frac{1}{8}$ - G1**

Dimensions			Bowl	Flow	P ₁	Filter	Connection	Order
A	B	C	Design	Capacity	rate	max.	element	thread
mm	mm	mm		l	m³/h*1	l/min*1	µm	G

Compressed air filter					manual drain with semiautomatic drain, 99.99% at 0.01 µm					F0
38	79	67	plastic	0.008	45	750	7	20	G $\frac{1}{8}$	F035-01H
			plastic		40	670		5		F035-01G
			for water w/o drain		50	830		80		F035-01J
			coalescing		7	115		0.01		F035-01C
42	146	126	plastic	0.02	75	1250	16	20	G $\frac{1}{4}$	F042-02H
			plastic		63	1050		5		F042-02G
			for water w/o drain		79	1320		80		F042-02J
			for water w/o drain		87	1450		160		F042-02K
			coalescing		11	180		0.01		F042-02C
			plastic		87	1450		activated carbon		F042-02A
52	174	148	bowl guard	0.04	150	2500	12.5	20	G $\frac{3}{8}$	F050-03H
					126	2100		5		F050-03G
					16	500		0.01		F050-03C
					150	2500		activated carbon		F050-03A



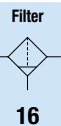
F035



F042

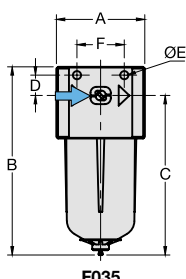
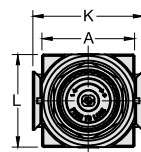


F050

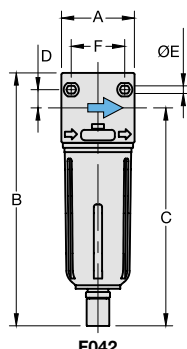


16

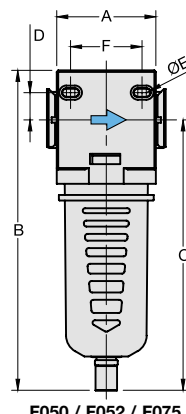
Series	D	ØE	F	K	L
F035	8.5	3.5	20	-	36
F042	10.5	4.5	31	-	42
F050	16.0	5.5	41	63	52



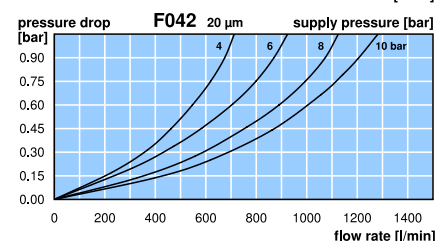
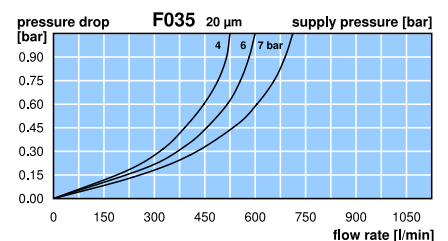
F035



F042



F050 / F052 / F075



*1 at 10 bar operating pressure and 1 bar pressure drop, for F035 and filter element 00.1 µm only 7 bar operating pressure

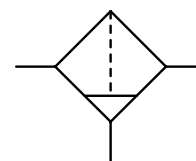
Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net



Order example:
F035-01H

Description	Filter of modular design which can be interlocked with all other instruments of the same series without need for double nipples. The flow on standard filters is from outside to inside; on coalescing filters 0.1 µm from inside to outside.		
Filter element	5 µm, 20 µm, 80 µm made of sintered polyethylene, 160 µm made of stainless steel, 0.01 µm coalescing filter made of borosilicate and activated carbon filter		
Filtration efficiency	coalescing filter: 99.99% at 0.01 µm particle size, residual oil content < 5 mg/m³		
Bowl	plastic version with bayonet catch, type 042 with connection thread		
Drainage	manual drain in conjunction with semiautomatic drain, optionally automatic drain, no drain for water		
Operating pressure	max. 7 bar at series 035, max. 16 bar at series 042, max. 12.5 bar at series 050 to 095		
Temperature range	0 °C to 50 °C / 32 °F to 122 °F		
Material	Body: nylon, POM at types 035 and 042 Bowl: polyamide	Elastomer: NBR/Buna-N Inner valve: brass	



**5 to 160 µm, coalescing
activated carbon filter, G $\frac{1}{8}$ - G1**

Dimensions			Bowl	Flow	P ₁	Filter	Connection	Order
A	B	C	Design	Capacity	rate	max.	element	thread
mm	mm	mm		l	m³/h*1	l/min*1	µm	G

Compressed air filter					manual drain with semiautomatic drain, 99.99% at 0.01 µm					F0
52	174	148	bowl guard	0.04	156	2600	12.5	20	G½	F052-04H
					132	2200		5		F052-04G
					17	500		0.01		F052-04C
					156	2600	activated carbon			F052-04A
63	204	173	bowl guard	0.10	186	3100	12.5	20	G½	F075-04H
					165	2750		5		F075-04G
					18	800		0.01		F075-04C
					186	3100	activated carbon			F075-04A
137	204	173	bowl guard	0.10	192	3200	12.5	20	G¾	F080-06H
					168	2800		5		F080-06G
					18	800		0.01		F080-06C
95	284	237	bowl guard	0.20	828	13800	12.5	20	G1	F095-08H
					750	12500		5		F095-08G



F052



F080



F095

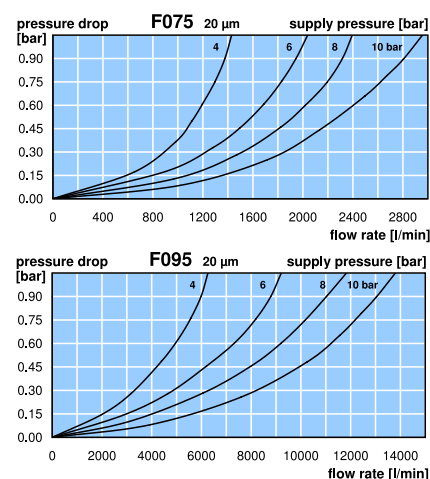
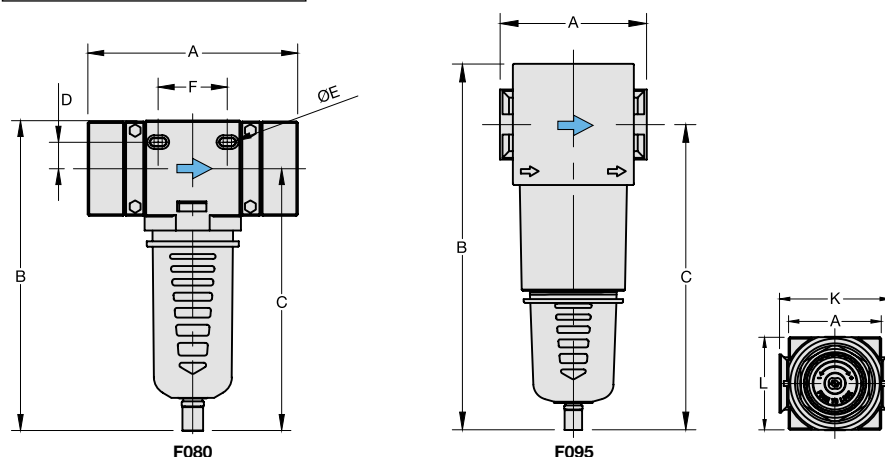
Special options, add the appropriate letter

automatic drain C400200130 for F042 to F095 F0. . -0. . R

Accessories, enclosed

mounting bracket set made of steel for F095 BW00-02

Series	D	Ø E	F	K	L
F052	16.0	5.5	41	63	52
F075	17.5	5.5	45	75	63
F080	17.5	5.5	45	-	63
F095	-	-	-	115	95



*1 at 10 bar operating pressure and 1 bar pressure drop, for F035 and filter element 00.1 µm only 7 bar operating pressure

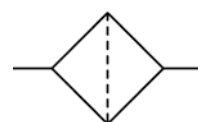
Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net



Order example:
F052-04H

Description	Filter made of plastic for compressed air, vacuum, non-corrosive gases or liquids. The flow on the filter elements passes from outside to inside. They are largely corrosion-resistant and feature excellent chemical stability. Exposure of the filters to direct sunlight must be avoided. Optionally available with EPDM elastomers approved by the FDA.		
Filter element	5 µm, 35 µm and 80 µm made of PE, 50 µm, 100 µm and 300 µm made of stainless steel		
Bowl	made of transparent polyethersulfone (polyester), 3 sizes, screw-in, without drain		
Drainage	without drain, as no water separation occurs with compressed air		
Operating pressure	max. 10 bar at 20 °C / 68 °F	Differential pressure	max. 0.7 bar
Temperature range	5 °C to 50 °C / 41 °F to 122 °F		
Cleaning	with lukewarm water and standard rinsing agent		
Material	Body: polypropylene Bowl: polyester, transparent	Filter element: polyethylene, optionally stainless steel Elastomer: NBR/Buna-N, optionally FKM or EPDM (FDA)	



**G¹/₈ to G³/₄, FDA
for water, gases, vacuum**

Dimensions			Bowl Capacity	Flow rate		Filter element	Connection thread	Order number	D*
A	B	C		Water	Air				
mm	mm	mm	l	l/min*1	l/min*1	µm	G		

Plastic filter			operating pressure max. 10 bar differential pressure max. 0.7 bar		NBR/Buna-N o-ring polyamide, polypropylene		FH	
58	93	83	0.06	6	140	5	G ¹ / ₈	FH1-01G FH1-01J FH1-01L
					180	35		
					200	80		
74	95	85	0.06	8	180	5	G ¹ / ₄	FH1-02G FH1-02J FH1-02L
					230	35		
					300	80		
74	99	87	0.06	10	220	5	G ³ / ₈	FH1-03G FH1-03J FH1-03L
					280	35		
					300	80		
75	103	89	0.06	12	260	5	G ¹ / ₂	FH1-04G FH1-04J FH1-04L
					330	35		
					350	80		
90	124	112	0.17	14	400	5	G ³ / ₈	FH2-03G FH2-03J FH2-03L
					500	35		
					520	80		
90	128	113	0.17	16	480	5	G ¹ / ₂	FH2-04G FH2-04J FH2-04L
					600	35		
					620	80		
90	133	116	0.17	18	560	5	G ³ / ₄	FH2-06G FH2-06J FH2-06L
					700	35		
					720	80		



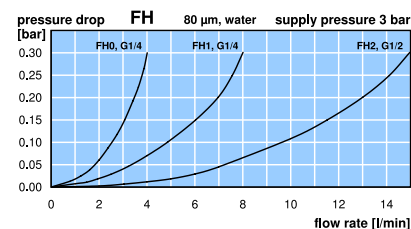
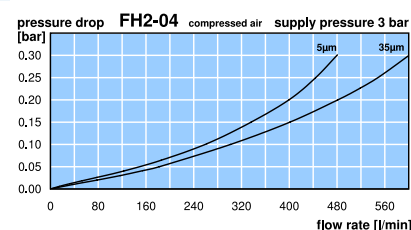
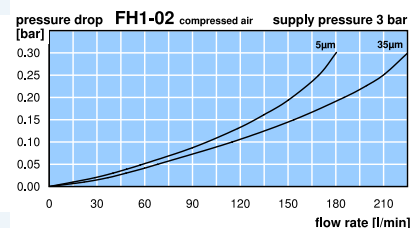
FH1



FH2

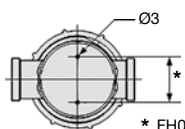
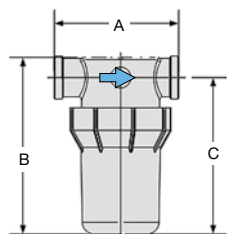
Special options, add the appropriate letter

with short bowl *2	shorter filter element,	4 l/min water	FH1 only	FH0- . .
SST filter element	metallic tissue	50 µm S; 100 µm T;	300 µm	FH0- . .U FH1- . .U FH2- . .U FH . . . E FH . . . V
EPDM elastomer	FDA approved			
FKM elastomer				

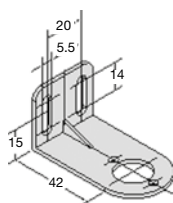


Accessories, enclosed

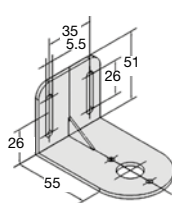
mounting bracket	made of plastic	for FH0 and FH1 for FH2	BW17-01 BW17-02
-------------------------	-----------------	----------------------------	----------------------------------



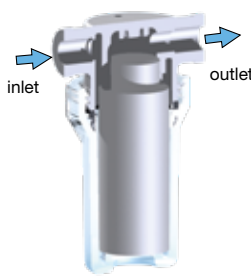
FH



BW17-01



BW17-02



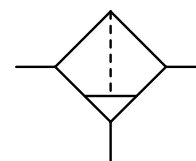
cross-section

*1 at 3 bar operating pressure and 0.3 bar pressure drop

*2 flow reduced by 35%, height shortened by 35 mm, bowl capacity 0.014 l



Description	Compressed air filter of modular design with exchangeable inserts. Can be interlocked with regulator or lubricator without need for double nipples. Each "maxi" device may be taken from a fixed line in seconds by simply removing the mounting bolts.
Filter element	40 µm, optionally 5 µm, made of polypropylene
Bowl	metal version with sight glass
Drainage	manual drain as standard, optionally automatic or semiautomatic drain, for max. 12 bar
Operating pressure	max. 17 bar
Temperature range	0 °C to 70 °C / 32 °F to 158 °F 0 °C to 50 °C / 32 °F to 122 °F for automatic or semiautomatic drain version
Material	Body: zinc die-cast Sight glass: polyurethane Bowl: zinc die-cast Elastomer: NBR/Buna-N



G½ up to G1

Dimensions			Bowl		Flow	Supply	Filter	Connection	Order
A	B	C	Design	Capacity	rate	max.	element	thread	number
mm	mm	mm	made of / with	l	m³/h*1	l/min*1	µm	G	

"Maxi" compressed air filter

with manual drain
supply pressure max. 17 bar

F20

89	191	171	metal/sight glass	0.3	288	4800	40	G½	F20-04WJ
					216	3600	5		F20-04WG
111	191	171	metal/sight glass	0.3	408	6800	40	G¾	F20-06WJ
					294	4900	5		F20-06WG
					420	7000	40	G1	F20-08WJ
					300	5000	5		F20-08WG

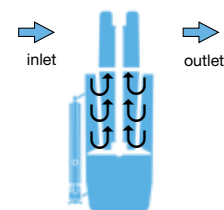


F20

Special options, add the appropriate letter

semiautomatic drain	RK500SY, max. 12 bar
automatic drain	SA605MD, max. 12 bar

F20-0.W.M
F20-0.W.R

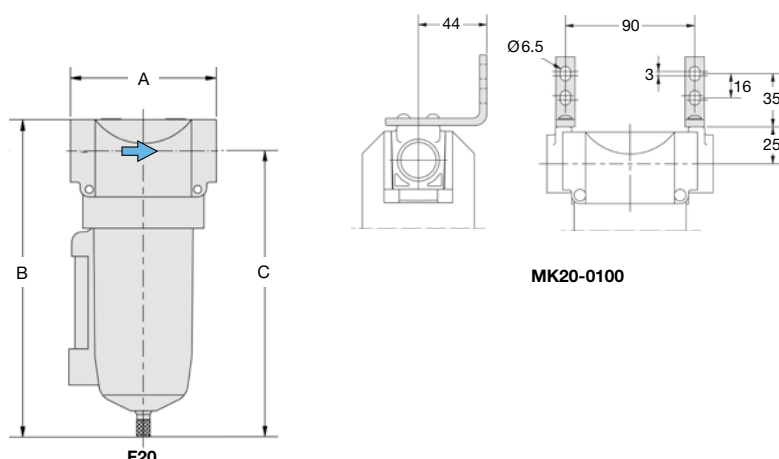


cross-section

Accessories, enclosed

mounting bracket set made of steel

MK20-0100

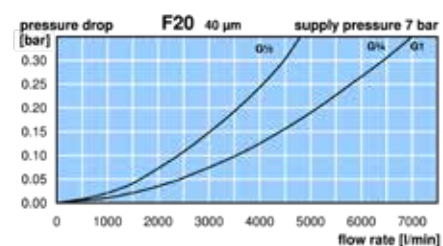


MK20-0100



RK500SY

SA605MD



*1 at 7 bar supply pressure and 0.33 bar pressure drop

Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net

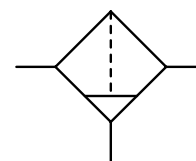


Order example:
F20-04WJ

COMPRESSED AIR FILTER MADE OF BRASS, UP TO 50 BAR

FM

Description	Filter with bowl without sight glass, extremely robust, for compressed air, non-corrosive gases or liquids.
Filter element	50 µm, optionally 5 µm, made of stainless steel, Coalescing filter 0.01 µm at 99.99 % Bowl stainless steel version without sight glass
Drainage	screw plug as standard optionally for compressed air only: manual drain (max. 30 bar), automatic drain (max. 16 bar)
Operating pressure	max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)
Temperature range	0 °C to 80 °C / 32 °F to 140 °F, for FKM or EPDM, 0 °C to 130 °C / 32 °F to 266 °F, for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F or low temperature version down to -40 °C / -40 °F
Material	Body: brass Bowl: stainless steel 316L, material no 1.4404, brass at FM-01/-A2 Elastomer: FKM, optionally EPDM Inner valve: brass and plastic (not at high temperature version)



G $\frac{1}{8}$ to G2, max. 50 bar
-40 °C to 130 °C / -40 °F to 266 °F

Dimensions			Bowl		Flow		Supply	Filter	Connection	Order
A	B	C	Design	Capacity	rate	rate	max.	element	thread	number
mm	mm	mm	made of	l	m ³ /h*1	l/min*1	bar	µm	G	

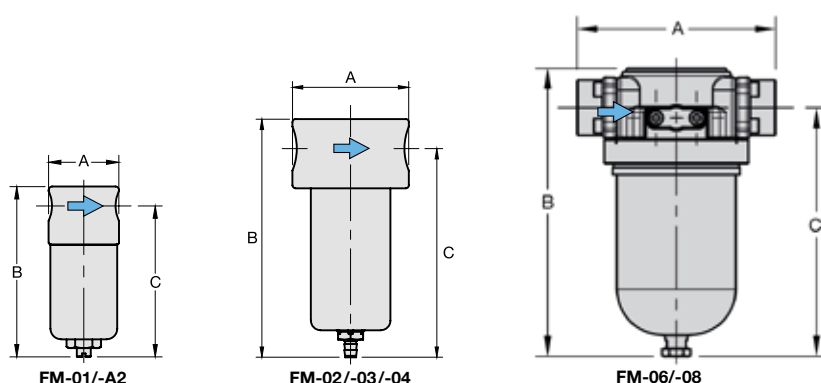
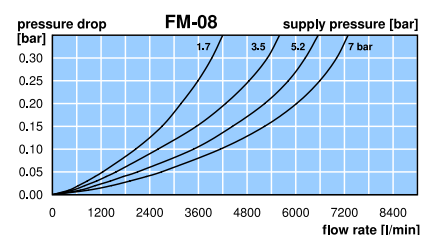
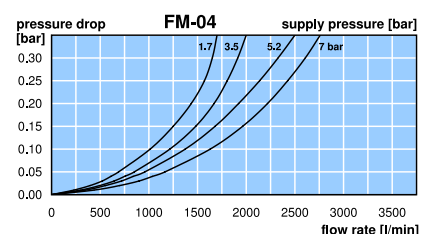
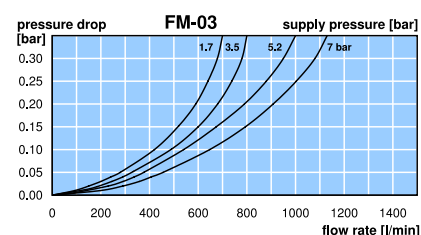
Brass filter										FM
with screw plug, operating pressure max. 50 bar, 50 µm										
40	92	81	stainless steel	0.03	45	750	50	50	G $\frac{1}{8}$	FM-01 FM-01G
40	92	81	stainless steel	0.03	45	750	50	50	G $\frac{1}{4}$	FM-A2 FM-A2G
64	140	125	stainless steel	0.14	54	900	50	50	G $\frac{1}{4}$	FM-02 FM-02G FM-02I
64	149	133						0.01		
64	140	125	stainless steel	0.14	60	1000	50	50	G $\frac{3}{8}$	FM-03 FM-03G FM-03I
64	149	133						0.01		
79	150	130	stainless steel	0.20	150	2500	50	50	G $\frac{1}{2}$	FM-04 FM-04G FM-04I
79	158	138						0.01		
136	194	167	stainless steel	0.50	432	7200	50	50	G $\frac{3}{4}$	FM-06 FM-06G FM-06I
								0.01		
136	194	167	stainless steel	0.50	432	7200	50	50	G1	FM-08 FM-08G FM-08I
								0.01		
247	194	167	stainless steel	0.50	432	7200	50	50	G1 $\frac{1}{4}$	FM-10 FM-10G FM-10I
								0.01		
247	194	167	stainless steel	0.50	432	7200	50	50	G1 $\frac{1}{2}$	FM-1A FM-1AG FM-1AI
								0.01		
174	248	213	stainless steel	1.00	1380	23000	50	50	G1 $\frac{1}{2}$	FM-12 FM-12G
					1050	17500		5		
174	248	213	stainless steel	1.00	1380	23000	50	50	G2	FM-16 FM-16G
					1050	17500		5		



FM-02/-03/-04



FM-06/-08



*1 at 7 bar operating pressure and 0.33 bar pressure drop

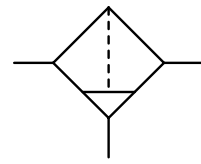
Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net



Order example:
FM-01

Description	Filter with bowl without sight glass, extremely robust, for compressed air, non-corrosive gases or liquids.
Filter element	50 µm, optionally 5 µm, made of stainless steel, Coalescing filter 0.01 µm at 99.99 % Bowl stainless steel version without sight glass
Drainage	screw plug as standard optionally for compressed air only: manual drain (max. 30 bar), automatic drain (max. 16 bar)
Operating pressure	max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)
Temperature range	0 °C to 80 °C / 32 °F to 140 °F, for FKM or EPDM, 0 °C to 130 °C / 32 °F to 266 °F, for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F or low temperature version down to -40 °C / -40 °F
Material	Body: brass Bowl: stainless steel 316L, material no 1.4404, brass at FM-01/-A2 Elastomer: FKM, optionally EPDM Inner valve: brass and plastic (not at high temperature version)



G $\frac{1}{8}$ to G2, max. 50 bar
-40 °C to 130 °C / -40 °F to 266 °F

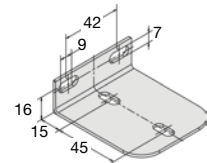
Dimensions			Bowl		Flow		Supply		Filter		Connection		Order	
A	B	C	Design	Capacity	rate	rate	max.	max.	element	element	thread	thread	number	number
mm	mm	mm	made of	l	m ³ /h*1	l/min*1	bar	bar	µm	µm	G	G		

Special options, add the appropriate letter

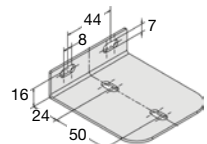
NPT	connection thread	FM-..N
down to -40 °C	low temperature version	FM-..X51
up to 130 °C	high temperature version	FM-..X54
manual drain	max. 30 bar	FM-..H
automatic drain	made of SST, max. 16 bar	FM-..R
EPDM-elastomer		FM-..E
carbon dioxide	CO ₂	FM-..03
argon	Ar	FM-..05
nitrogen	N ₂	FM-..07
helium	He	FM-..09
hydrogen	H ₂	FM-..11
methane	CH ₄	FM-..13
oxygen	O ₂	FM-..15
propane	C ₃ H ₈	FM-..16
nitrous oxide	N ₂ O	FM-..17
for water	50 µm only	FM-..W
flange connection	according to EN-1092-1 or ASME B16.5	FM-..F.

for G $\frac{1}{4}$ (02) to G2

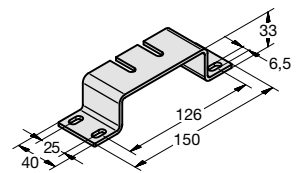
for G $\frac{1}{4}$ (02) to G2
on request



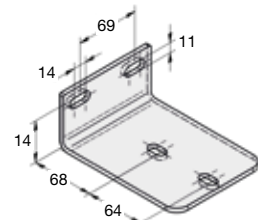
BW00-17S



BW00-18S



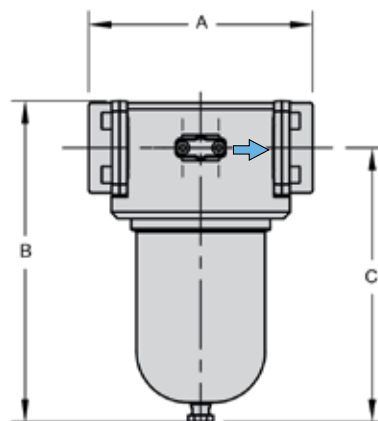
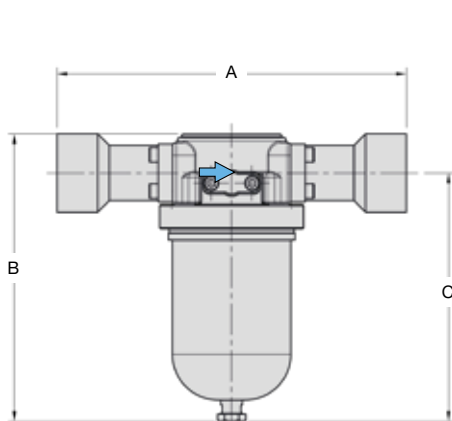
BW00-59S



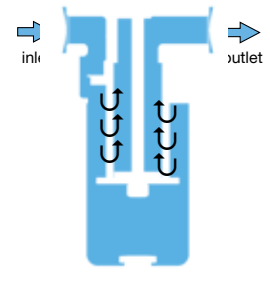
BW00-63S

Accessories, enclosed

mounting bracket	made of stainless steel	for G $\frac{1}{4}$ (02) and G $\frac{3}{8}$ for G $\frac{1}{2}$	BW00-17S BW00-18S
		for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ (1A)	BW00-19S
set of brackets	made of stainless steel	for G1 $\frac{1}{2}$ (12) and G2	BW00-63S



FM-12/-16



cross-section

*1 at 7 bar operating pressure and 0.33 bar pressure drop

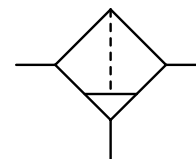
Extensions: see chapter for FRL service units

PDF **CAD**
www.aircom.net



Order example:
BW00-17S

Description	Compressed air filter with high flow. Made of solid design and small size. Proven in operation and suitable for many applications. Available in all standard sizes and in many versions.				
Filter element	40 µm, optionally 5 µm, made of polypropylene				
Bowl	metal version with or without bowl guard				
Drainage	manual drain as standard, for max. 21 bar optionally internal automatic drain, for max. 12 / 16 bar or external automatic drain, for max. 18 bar				
Operating pressure	max. 17 bar for metal bowl with sight glass max. 21 bar for metal bowl without sight glass				
Temperature range	0 °C to 50 °C / 32 °F to 122 °F for automatic drain version 0 °C to 70 °C / 32 °F to 158 °F for metal bowl with sight glass 0 °C to 80 °C / 32 °F to 176 °F for metal bowl without sight glass for appropriately conditioned compressed air down to -30 °C / -22 °F				
Material	Body: zinc die-cast Bowl: zinc die-cast or steel Elastomer: NBR/Buna-N				



G^{3/4} up to G1^{1/2}

Dimensions			Bowl	Flow	Supply	Filter	Connection	Order
A	B	C	Design	rate	max.	element	thread	number
mm	mm	mm	made of / with	m³/h*1	l/min*1	µm	G	

Standard compressed air filter					with manual drain				F602	
116	223	200	metal / sight glass	0.50	426	7 100	17	40	G¾*2	F602-06WJ
116	295	272	steel	1.00			21			F602-06EJ
116	223	200	metal / sight glass	0.50	318	5 300	17	5	G¾*2	F602-06WG
116	295	272	steel	1.00			21			F602-06EG
116	223	200	metal / sight glass	0.50	588	9 800	17	40	G1	F602-08WJ
116	295	272	steel	1.00			21			F602-08EJ
116	223	200	metal / sight glass	0.50	438	7 300	17	5	G1	F602-08WG
116	295	272	steel	1.00			21			F602-08EG
132	242	210	metal / sight glass	0.5	660	11 000	17	40	G1¼*2	F602-10WJ
132	315	283	steel	1.0			21			F602-10EJ
132	242	210	metal / sight glass	0.5	492	8 200	17	5	G1¼*2	F602-10WG
132	315	283	steel	1.0			21			F602-10EG
132	242	210	metal / sight glass	0.5	660	11 000	17	40	G1½	F602-12WJ
132	315	283	steel	1.0			21			F602-12EJ
132	242	210	metal / sight glass	0.5	492	8 200	17	5	G1½	F602-12WG
132	315	283	steel	1.0			21			F602-12EG



F602-06WJ/-08WJ
metal bowl with sight glass



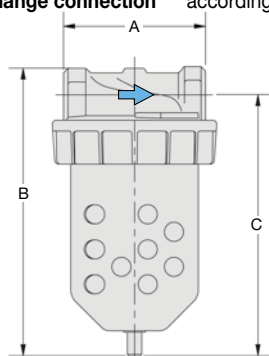
F602-10WJ/-12WJ
metal bowl with sight glass



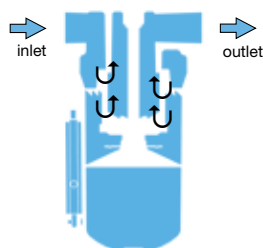
F602-10EJ/-12EJ
with steel container

Special options, add the appropriate letter

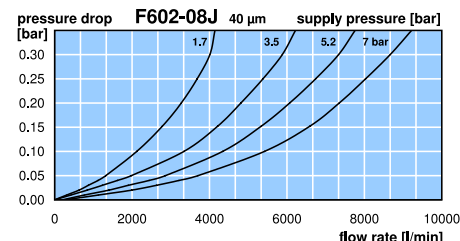
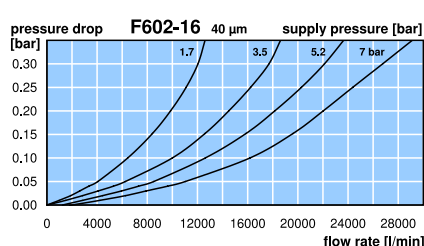
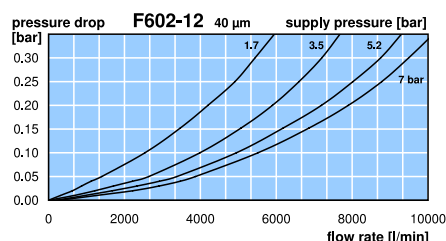
automatic drain	SA605MD, SA602D, SA603D for steel bowl, SA702MD,	max. 12 bar for G ^{3/4} to G1 ^{1/2} max. 18 bar for G ^{3/4} to G1 ^{1/2} max. 16 bar for G ^{3/4} to G1 ^{1/2}	F602-....R F602-....Q F602-....W
flange connection	according to EN-1092-1 or ASME B16.5	on request	F602-....F.



F602



cross-section



*1 at 7 bar operating pressure and 0.33 bar pressure drop

*2 reduced by the next larger filter

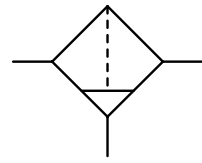
Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net



Order example:
F602-06WJ

Description	Compressed air filter in small design with large volume flow. Can be blocked with an oiler without use of a double nipple.		
Filter element	40 µm, optionally 5 µm, made of sintered bronze		
Bowl	metal version with sight glass		
Drainage	manual drain as standard, optionally automatic drain max. 10 bar		
Operating pressure	max. 17 bar		
Operating pressure	0 °C to 80 °C		
Material	Body:	Alu die-cast	Sightglass: Polycarbonate
	Bowl:	Alu die-cast	Elastomer: NBR
	Inner valve:	brass, plastic	



G $\frac{1}{4}$ up to G $\frac{1}{2}$

Dimensions			Bowl		Flow rate		P ₁	Filter-	Connection	Order
A	B	C	Design	Capacity	m ³ /h*	l/min*	max.	element	thread	number
mm	mm	mm	made of/with	l			bar	µm	G	

Standard compressed air filter							with manual drain, supply pressure max. 17 bar		F510	
73	166	149	metal / sight glass	0.2	150	2500	17	40	G $\frac{1}{4}$	F510-02WJ
					126	2100		5		F510-02WG
73	166	149	metal / sight glass	0.2	180	3000	17	40	G $\frac{3}{8}$	F510-03WJ
					156	2600		5		F510-03WG
73	166	149	metal / sight glass	0.2	210	3500	17	40	G $\frac{1}{2}$	F510-04WJ
					186	3100		5		F510-04WG



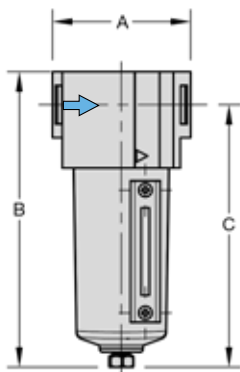
F510

Special options, add the appropriate letter

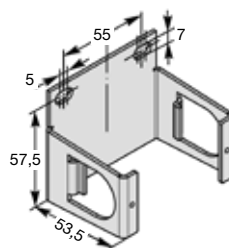
automatic drain	SA-500 max. 10 bar	F510-0 . W . R
flange connection	according EN-1092-1 or ASME B16.5	on request F510-0 . W . F .

Accessories, enclosed

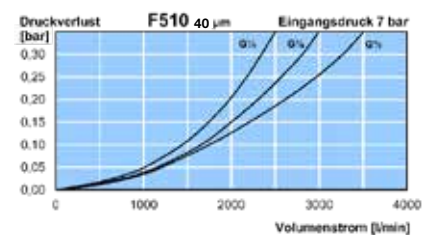
mounting bracket	made of stainless steel	BW00-510
-------------------------	-------------------------	----------



F510



BW00-510



*1 at 7 bar supply pressure and 0.33 bar pressure drop

Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net

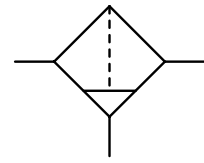
* Product group



Order example:
F510-02WJ



Description	Compressed air filter in modular design with large volume flow. Can be blocked with an oiler without use of a double nipple.		
Filter element	40 µm, optionally 5 µm, made of sintered bronze		
Bowl	metal version with sight glass		
Drainage	manual drain as standard, optionally automatic drain max. 10 bar		
Operating pressure	max. 17 bar		
Operating pressure	0 °C to 80 °C		
Material	Body:	Alu die-cast	Sightglass: Polycarbonate
	Bowl:	Alu die-cast	Elastomer: NBR
	Inner valve:	brass, plastic	



G $\frac{1}{4}$ up to G $\frac{3}{4}$

Dimensions			Bowl		Flow rate		P ₁	Filter	Connection	Order
A	B	C	Design	Capacity	rate	rate	max.	element	thread	number
mm	mm	mm	made of/with	l	m ³ /h*1	l/min*1	bar	µm	G	

Standard compressed air filter										F520
with manual drain, supply pressure max. 17 bar										
85	185	165	metal / sight glass	0.3	132	2200	17	40	G $\frac{1}{4}$	F520-02WJ
					90	1500		5		F520-02WG
85	185	165	metal / sight glass	0.3	186	3100	17	40	G $\frac{3}{8}$	F520-03WJ
					138	2300		5		F520-03WG
85	185	165	metal / sight glass	0.3	288	4800	17	40	G $\frac{1}{2}$	F520-04WJ
					216	3600		5		F520-04WG
85	185	165	metal / sight glass	0.3	408	6800	17	40	G $\frac{3}{4}$	F520-06WJ
					294	4900		5		F520-06WG



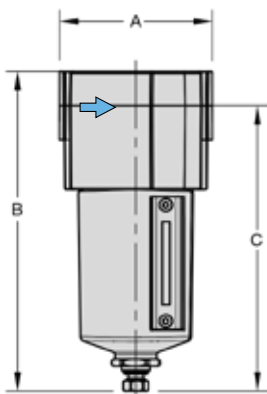
F520

Special options, add the appropriate letter

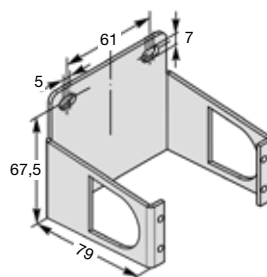
automatic drain	SA-500 max. 10 bar	F520-0 . W . R
flange connection	according EN-1092-1 or ASME B16.5	on request F520-0 . W . F .

Accessories, enclosed

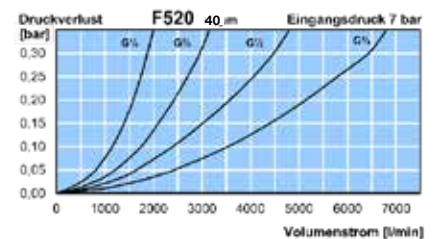
mounting bracket	made of stainless steel	BW00-520
-------------------------	-------------------------	----------



F520



BW00-520



*1 at 7 bar supply pressure and 0.33 bar pressure drop

* Product group

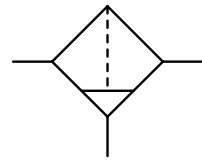
Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net



Order example:
F520-02WJ

Description	Compressed air filter in modular design with large volume flow. Can be blocked with an oiler without use of a double nipple.		
Filter element	40 µm, optionally 5 µm, made of sintered bronze		
Bowl	metal version with sight glass		
Drainage	manual drain as standard, optionally automatic drain max. 10 bar		
Operating pressure	max. 17 bar		
Operating pressure	0 °C to 80 °C		
Material	Body:	Alu die-cast	Sightglass: Polycarbonate
	Bowl:	Alu die-cast	Elastomer: NBR
	Inner valve:	brass, plastic	



G³/₄ up to G1½

Dimensions			Bowl		Flow rate		P ₁	Filter	Connection	Order
A	B	C	Design	Capacity	rate	rate	max.	element	thread	number
mm	mm	mm	made of/with	l	m³/h*1	l/min*1	bar	µm	G	

Standard compressed air filter										with manual drain, supply pressure max. 17 bar	F530
120	317	267	metal / sight glass	1.0	1200	20000	17	40	G ³ / ₄		F530-06WJ
					960	16000		5			F530-06WG
120	317	267	metal / sight glass	1.0	1320	22000	17	40	G1		F530-08WJ
					1056	17600		5			F530-08WG
120	317	267	metal / sight glass	1.0	1380	23000	17	40	G1¼		F530-10WJ
					1104	18400		5			F530-10WG
120	317	267	metal / sight glass	1.0	1440	24000	17	40	G1½		F530-12WJ
					1152	19200		5			F530-12WG



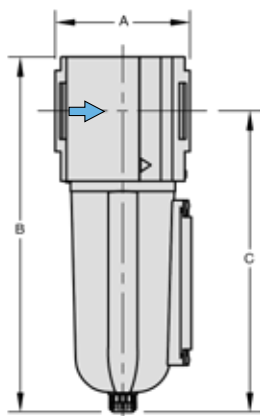
F530

Special options, add the appropriate letter

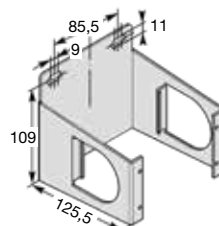
automatic drain	SA-500 max. 10 bar		F530- . . W . R
flange connection	according EN-1092-1 or ASME B16.5	on request	F530- . . W . F .

Accessories, enclosed

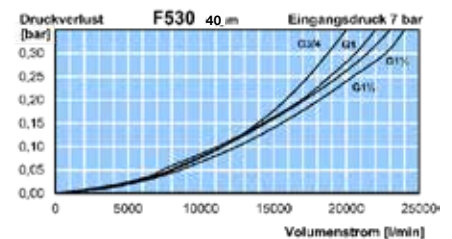
mounting bracket	made of stainless steel	BW00-530
-------------------------	-------------------------	----------



F530



BW00-530



*1 at 7 bar supply pressure and 0.33 bar pressure drop

Extensions: see chapter for FRL service units

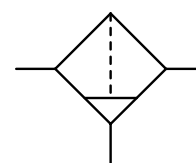
PDF CAD
www.aircom.net

* Produktgruppe



Order example:
F530-06WJ

Description	Good value aluminium regulator of solid design.
Filter element	0.01 µm coalescing filter (to -04), 5 µm and 50 µm
Filtration efficiency	coalescing filter: 99.99% based on 0.01 µm particle size
Bowl	metal version with and without sight glass
Drainage	semiautomatic drain as standard, for max. 16 bar
Operating pressure	max. 16 bar for metal bowl with sight glass
Temperature range	max. 30 bar for metal bowl without sight glass
Material	-10 °C to 50 °C / -14 °F to 122 °F for metal bowl with sight glass (-01 to -04)
	-20 °C to 60 °C / -4 °F to 140 °F for metal bowl with sight glass (-06 to -1A)
	-20 °C to 80 °C / -22 °F to 176 °F for metal bowl without sight glass
	Body: aluminium
	Bowl: aluminium
	Elastomer: NBR/Buna-N



G¹/₈ up to G2
0.01/5/20/50 µm

Dimensions			Bowl		Flow		Supply	Filter	Connection	Order
A	B	C	Design	Capacity	rate	rate	max.	element	thread	number
mm	mm	mm	made of/with	l	m ³ /h*1	l/min*1	bar	µm	G	

Compressed air filter series "D"										FD
										with semiautomatic drain, 99.99 % at 0.01 µm
40	145	127	metal/sight glass	0.05	21	350	16	50	G ¹ / ₈	FD-01MJ
					16	270	16	5		FD-01MG
			metal/sight glass	0.05	4	70	16	0.01		FD-01MI
40	145	127	metal/sight glass	0.05	24	400	16	50	G ¹ / ₄	FD-02MJ
					18	300	16	5		FD-02MG
			metal/sight glass	0.05	4	70	16	0.01		FD-02MI
64	176	148	metal/sight glass	0.18	144	2400	16	50	G ³ / ₈	FD-03MJ
					108	1800	16	5		FD-03MG
			metal/sight glass	0.18	27	450	16	0.01		FD-03MI
64	176	148	metal/sight glass	0.18	156	2600	16	50	G ¹ / ₂	FD-04MJ
					120	2000	16	5		FD-04MG
			metal/sight glass	0.18	30	500	16	0.01		FD-04MI
130	205	177	metal/sight glass	0.50	420	7000	16	50	G ³ / ₄	FD-06MJ
					318	5300	16	5		FD-06MG
130	205	177	metal/sight glass	0.50	510	8500	16	50	G1	FD-08MJ
					384	6400	16	5		FD-08MG



FD-01/-02

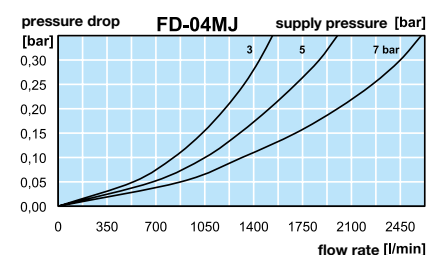
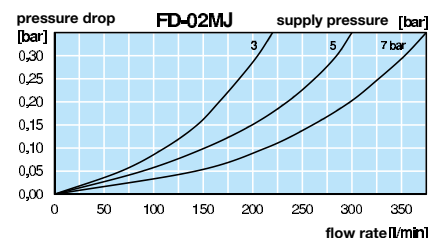
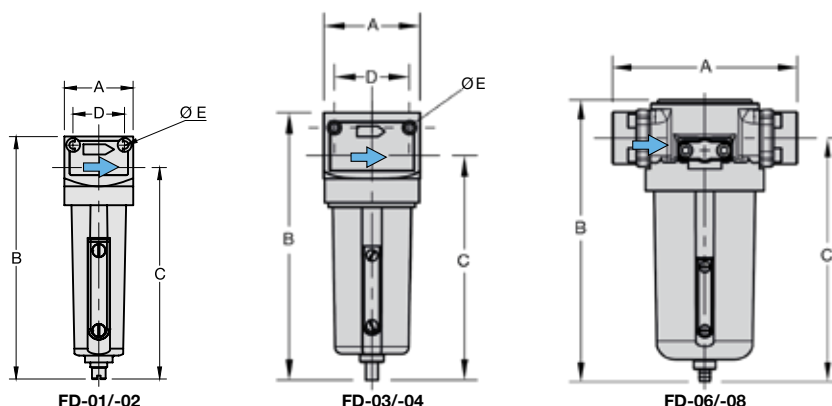


FD-03/-04



FD-06/-08

Type	D	Ø E
FD-01/02	30	4.5
FD-03/04	51	5.5



*1 at 7 bar operating pressure and 0.33 bar pressure drop

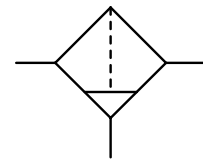
Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net



Order example:
FD-01MH

Description	Good value aluminium regulator of solid design.
Filter element	0.01 µm coalescing filter (to -04), 5 µm and 50 µm
Filtration efficiency	coalescing filter: 99.99% based on 0.01 µm particle size
Bowl	metal version with and without sight glass
Drainage	semiautomatic drain as standard, for max. 16 bar optionally manual drain, for max. 30 bar or automatic drain, for max. 16 bar
Operating pressure	max. 16 bar for metal bowl with sight glass max. 30 bar for metal bowl without sight glass
Temperature range	-10 °C to 50 °C / 14 °F to 122 °F for metal bowl with sight glass (-01 to -04) -20 °C to 60 °C / -4 °F to 140 °F for metal bowl with sight glass (-06 to -1A) -20 °C to 80 °C / -4 °F to 176 °F for metal bowl without sight glass
Material	Body: aluminium Bowl: aluminium Elastomer: NBR/Buna-N



G¹/₈ up to G2
0.01/5/20/50 µm

Dimensions			Bowl		Flow		Supply	Filter	Connection	Order
A	B	C	Design	Capacity	rate	rate	max.	element	thread	number
mm	mm	mm	made of/with	l	m ³ /h*1	l/min*1	bar	µm	G	

Compressed air filter series "D"

with semiautomatic drain,
99.99 % at 0.01 µm

FD

241	205	177	metal/sight glass	0.5	570	9500	16	50	G1 ¹ / ₄	FD-10MJ
					432	7200	16	5		FD-10MG
241	205	177	metal/sight glass	0.5	600	10000	16	50	G1 ¹ / ₂	FD-1AMJ
					450	7500	16	5		FD-1AMG
174	248	213	stainless steel	1.0	1380	23000	15	50	G1 ¹ / ₂	FD-12MJ
					1050	17500	15	5		FD-12MG
174	248	213	stainless steel	1.0	1380	23000	15	50	G2	FD-16MJ
					1050	17500	15	5		FD-16MG



FD-10/-1A



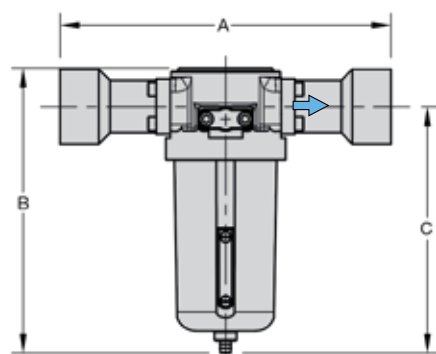
FD-12/-16

Special options, add the appropriate letter

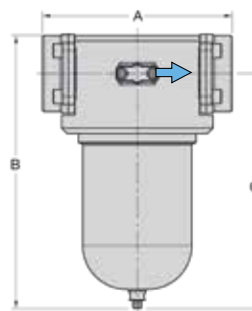
operating pressure 30 bar	metal bowl w/o sight glass, with manual drain	FD- . . N . H
manual drain	max. 16 bar	for G ¹ / ₈ to G1 ¹ / ₂ (1A) FD- H
manual drain	max. 30 bar	for G1 ¹ / ₂ (12) and G2 FD- 1 . M . H
automatic drain	draining through float valve, max. 16 bar	for G ³ / ₈ to G2 FD- R
flange connection	according to EN-1092-1 or ASME B16.5	on request FD- F.

Accessories, enclosed

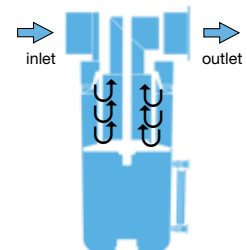
mounting bracket	made of stainless steel	for G ³ / ₈ to G1 ¹ / ₂ (1A)	BW00-59S
	made of stainless steel	for G1 ¹ / ₂ (12) and G2	BW00-63S



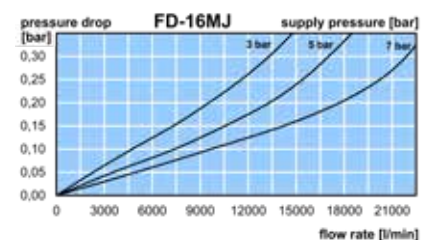
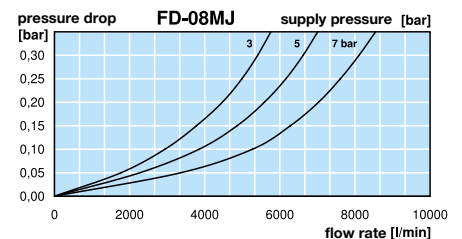
FD-10 /-1A



FD-12/-16



cross-section



*1 at 7 bar operating pressure and 0.33 bar pressure drop

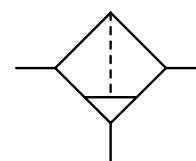
Extensions: see chapter for FRL service units

PDF CAD
www.aircom.net



Order example:
FD-10MJ

	pre-filter V	Fine filter Z
Description	Coarse filter for removing water and solid impurities.	Filters out oil, water and solid impurities. Resistant to mineral and synthetic oils.
Filter element	3 µm incoming flow from inside to outside.	1 µm incoming flow from inside to outside.
Filtration efficiency	99.99% based on 3 µm particle size	99.9999% at 1 µm particle size, residual oil content ≤ 0.5 mg/m³
Filter change	Cleaning required as from 0.35 bar differential pressure. Solid impurities removed by blowing from inside to outside. Oil to be cleaned in soap suds.	The filter must be changed as from 0.35 bar differential pressure or after one year at the latest.
Drainage	automatic drain as standard, optionally manual drain	
Temperature range	1 °C to 65 °C / 34 °F to 149 °F	
Operating pressure	max. 16 bar	
Material	Body/Bowl: chromated and powder-coated cast aluminium	



**1 / 3 µm, up to G3
0.1 mg/m³ residual oil**

Dimensions			Bowl		Flow rate		Filter element	Connection	Order number
A	B	C	Design	Capacity	m³/h*1	l/min*1	µm	thread	
mm	mm	mm	of / with	l				G	

Micro pre-filter 3 µm					with automatic drain, 99,99% filtration efficiency, max. 16 bar			FG. V	
69	194	173	aluminium /	0.2	30	500	3	G¼	FG-02V
89	293	269	automatic drain	0.8	60	1000		G¾	FG-03V
89	293	269		0.8	108	1800		G½	FG-04V
89	293	269		0.8	132	2200		G¾	FG-A6V
109	393	359		1.8	180	3000		G¾	FG-06V
109	393	359		1.8	270	4500		G1	FG-08V
109	540	506		2.7	372	6200		G1¼	FG-10V
109	540	506		2.7	432	7200		G1½	FG-1AV
150	576	535		4.9	732	12200		G1½	FG-12V
150	954	913		8.0	1050	17500		G2	FG-16V
188	759	703		10.3	1800	30000		G2½	FG-20V
188	939	903		12.7	2220	37000		G3	FG-24V

Micro fine filter 1 µm					with automatic drain, 99,9999% filtration efficiency residual oil ≤ 0.1 mg/m³, max. 16 bar			FG. Z	
69	194	173	aluminium /	0.2	30	500	1	G¼	FG-02Z
89	293	269	automatic drain	0.8	60	1000		G¾	FG-03Z
89	293	269		0.8	108	1800		G½	FG-04Z
89	293	269		0.8	132	2200		G¾	FG-A6Z
109	393	359		1.8	180	3000		G¾	FG-06Z
109	393	359		1.8	270	4500		G1	FG-08Z
109	540	506		2.7	372	6200		G1¼	FG-10Z
109	540	506		2.7	432	7200		G1½	FG-1AZ
150	576	535		4.9	732	12200		G1½	FG-12Z
150	954	913		8.0	1050	17500		G2	FG-16Z
188	759	703		10.3	1800	30000		G2½	FG-20Z
188	939	903		12.7	2220	37000		G3	FG-24Z

Special options, add the appropriate letter

differential pressure gauge

FG-... D

replacement indicator

FG-... E

further sizes

Accessories, enclosed

set of mounting brackets made of steel

for G¼

BW00-52

for G¾ to G¾ (A6)

BW00-53

for G¾ (06) to G1½

BW00-54

for G1½ (12) and G2

BW00-55

for G2½ and G3

BW00-56

Flow rate conversion factor for other operating pressures																
operating pressure bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
factor	0.25	0.38	0.5	0.65	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13

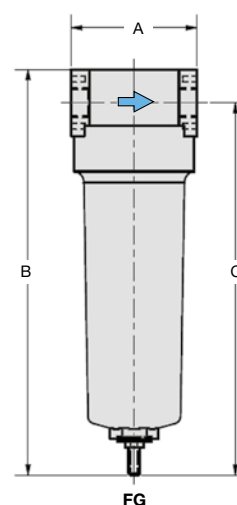
*1 at 7 bar operating pressure and open outlet. Pressure drop in new condition: **20 mbar** on pre-filter and **30 mbar** on universal filter. The maximum permissible flow rate is 10% higher than the indicated value.



FG-04V



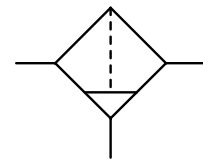
FG-04Z



FG



	Super fine filter X	Activated Carbon Filter A
Description	The filter separates oil, water and solid impurities from compressed air or non-corrosive gases. It is resistant to mineral and synthetic oils.	Air filtered with this combination is virtually free from oil and odours.
Filter element	0.01 µm incoming flow from inside to outside	0.01 µm incoming flow from inside to outside
Filtration efficiency	99.99999% based on 0.01 µm particle size residual oil content ≤ 0.01 mg/m ³ at 7 bar and 20 °C/68 °F	residual oil content ≤ 0.03 mg/m ³ bei 7 bar and 20 °C/68 °F
Filter change	Cleaning required as from 0.35 bar differential pressure, at the latest after 3 months.	Cleaning required as from 0.35 bar differential pressure, at the latest after 3 months.
Drainage	automatic drain as standard, optionally manual drain	manual drain as standard
Temperature range	1 °C to 65 °C / 34 °F to 149 °F	1 °C to 30 °C / 34 °F to 86 °F
Operating pressure	max. 16 bar	
Material	Body/Bowl: chromated and powder-coated cast aluminium	



**0.01 µm, up to G3
0.003 mg/m³ residual oil**

Dimensions			Bowl		Flow rate		Filter element	Connection	Order number
A	B	C	Design	Capacity	m ³ /h*1	l/min*1	µm	thread	
mm	mm	mm	of / with	l				G	

Super fine filter 0.01 mg/m³ residual oil with automatic drain, max. 16 bar 99,99999%, at 0.01 µm **FG. X**

69	194	173	aluminium /	0.2	30	500	0.01	G1/4	FG-02X
89	293	269	manual drain	0.8	60	1000		G3/8	FG-03X
89	293	269		0.8	108	1800		G1/2	FG-04X
89	293	269		0.8	132	2200		G3/4	FG-A6X
109	393	359		1.8	180	3000		G3/4	FG-06X
109	393	359		1.8	270	4500		G1	FG-08X
109	540	506		2.7	372	6200		G1 1/4	FG-10X
109	540	506		2.7	432	7200		G1 1/2	FG-1AX
150	576	535		4.9	732	12200		G1 1/2	FG-12X
150	954	913		8.0	1050	17500		G2	FG-16X
188	759	703		10.3	1800	30000		G2 1/2	FG-20X
188	939	903		12.7	2220	37000		G3	FG-24X

Activated carbon filter 0.003 mg/m³ residual oil with manual drain, max. 16 bar **FG. A**

69	185	164	aluminium /	0.2	30	500	activated carbon	G1/4	FG-02A
89	284	260	manual drain	0.8	60	1000		G3/8	FG-03A
89	284	260		0.8	108	1800		G1/2	FG-04A
89	284	260		0.8	132	2200		G3/4	FG-A6A
109	384	350		1.8	180	3000		G3/4	FG-06A
109	384	350		1.8	270	4500		G1	FG-08A
109	531	497		2.7	372	6200		G1 1/4	FG-10A
109	531	497		2.7	432	7200		G1 1/2	FG-1AA
150	567	526		4.9	732	12200		G1 1/2	FG-12A
150	945	904		8.0	1050	17500		G2	FG-16A
188	748	694		10.3	1800	30000		G2 1/2	FG-20A
188	930	894		12.7	2220	37000		G3	FG-24A

Special options, add the appropriate letter

differential pressure gauge

FG-. . . D

replacement indicator

FG-. . . E

further sizes

Accessories, enclosed

set of mounting brackets made of steel

for G1/4

BW00-52

for G3/8 to G3/4 (A6)

BW00-53

for G3/4 (06) to G1 1/2

BW00-54

for G1 1/2 (12) and G2

BW00-55

for G2 1/2 and G3

BW00-56

Flow rate conversion factor for other operating pressures																
operating pressure bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
factor	0.25	0.38	0.5	0.65	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13

*1 at 7 bar operating pressure and open outlet. Pressure drop in new condition: **50 mbar** on fine filter and **90 mbar** on super fine filter. The maximum permissible flow rate is 10% higher than the indicated value.



FG-04X

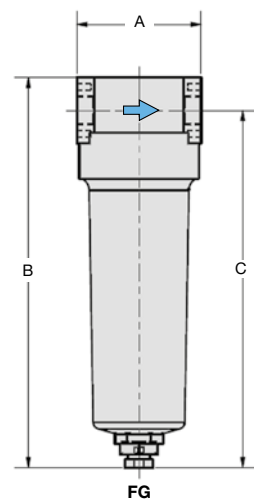


FG-04AD
with differential pressure gauge

Filter



16



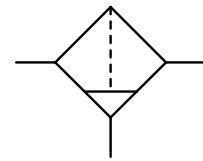
FG



HIGH PRESSURE FILTER UP TO 60 BAR

F445 / F465

Description	Compressed air filter for up to 60 bar operating pressure with various filter elements. Mounting in horizontal position, flow direction indicated by arrow.
Filter element	5 µm and 40 µm made of sintered bronze, 0.01 µm coalescing filter made of borosilicate fibres with stainless steel jacket and foam protection
Filtration efficiency	coalescing filter: 99.999% based on 0.01 µm particle size
Bowl	metal version without sight glass
Drainage	manual drain as standard
Supply pressure	max. 60 bar
Temperature range	0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -30 °C / -22 °F
Material	Body: black, anodized aluminium Bowl: brass at G $\frac{3}{8}$ to G1 Elastomer: NBR/Buna-N



40/60 bar, up to G1
0.01/5/40 µm

Dimensions			Bowl		Flow rate		Filter element	Connection thread	Order number
A	B	C	Design	Capacity	m ³ /h*1	l/min*1	µm	G	
mm	mm	mm	made of	l					

High pressure filter up to 40 bar with manual drain, 99.999% at 0.01 µm F445

72	200	168	metal	0.08	162	2700	40	G $\frac{3}{8}$ " ²	F445-03EL
65	200	168			168	2800		G $\frac{1}{2}$	F445-04EL
92	210	170	metal	0.10	198	3300		G $\frac{3}{4}$ " ²	F445-06EL
80	210	170			210	3500		G1	F445-08EL
72	200	168	metal	0.08	126	2100	5	G $\frac{3}{8}$ " ²	F445-03GL
65	200	168			138	2300		G $\frac{1}{2}$	F445-04GL
92	210	170	metal	0.10	156	2600		G $\frac{3}{4}$ " ²	F445-06GL
80	210	170			168	2800		G1	F445-08GL
72	200	168	metal	0.08	150	2500	0.01	G $\frac{3}{8}$ " ²	F445-03IL
65	200	168			162	2700		G $\frac{1}{2}$	F445-04IL
92	210	170	metal	0.10	192	3200		G $\frac{3}{4}$ " ²	F445-06IL
80	210	170			204	3400		G1	F445-08IL



F445-04, 40 bar

High pressure filter up to 60 bar with manual drain, 99.999% at 0.01 µm F465

72	185	160	metal	0.08	162	2700	40	G $\frac{3}{8}$ " ²	F465-03EL
65	185	160			168	2800		G $\frac{1}{2}$	F465-04EL
92	200	170	metal	0.10	198	3300		G $\frac{3}{4}$ " ²	F465-06EL
80	185	160			210	3500		G1	F465-08EL
72	185	160	metal	0.08	126	2100	5	G $\frac{3}{8}$ " ²	F465-03GL
65	185	160			135	2300		G $\frac{1}{2}$	F465-04GL
92	200	170	metal	0.10	156	2600		G $\frac{3}{4}$ " ²	F465-06GL
80	200	170			168	2800		G1	F465-08GL
72	185	160	metal	0.08	150	2500	0.01	G $\frac{3}{8}$ " ²	F465-03IL
65	185	160			162	2700		G $\frac{1}{2}$	F465-04IL
92	200	170	metal	0.10	192	3200		G $\frac{3}{4}$ " ²	F465-06IL
80	200	170			204	3400		G1	F465-08IL



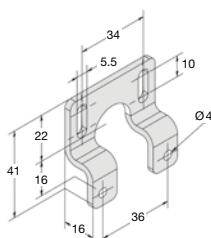
F465-08, 60 bar

Special options, add the appropriate letter

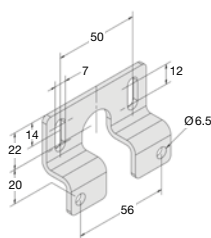
for oxygen specially cleaned F4.5-...15

Accessories, enclosed

mounting bracket made of steel for G $\frac{3}{8}$ and G $\frac{1}{2}$ BW00-15
for G $\frac{3}{4}$ and G1 BW00-16



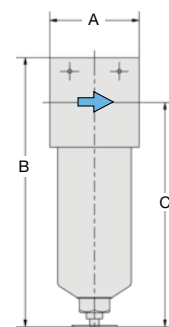
BW00-15



BW00-16

*1 at 7 bar operating pressure and 0.33 bar pressure drop

*2 reduced from the next bigger filter size



F445 / F465

PDF CAD
www.aircom.net



Order example:
F445-03EL

Description The exhaust filter/sound silencer treats all exhaust air issued by pneumatic devices:
1) Removing environmentally harmful oil particles from oily exhaust air
2) Silencing exhaust air noise

Filtration efficiency > 99.99%, residual oil content < 0.01 mg/m³

Noise reduction > 40 dB (A) at 1 m

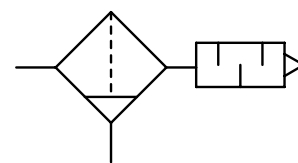
Service life approx. 2500 operating hours, depending on contamination

Drainage The bowl is emptied by means of an overflow valve or by opening the manual drain.

Operating pressure max. 16 bar

Temperature range 2 °C to 100 °C / 36 °F to 212 °F

Material Housing: polypropylene at G¼ and G¾, aluminium at G½ to G2
Filter: micro fibreglass and polyurethane



G¼ up to G2

Dimensions				Flow rate	Connection thread	Order number
A	B	ØC	A/F			
mm	mm	mm	mm	m³/h*1	G	

Filter silencer						operating pressure max. 16 bar	SFE
8	131	77	28	30	500	G¼	SFE-02
8	131	77	28	35	580	G¾	SFE-03
12	181	90	36	75	1250	G½	SFE-04
12	181	90	36	100	1670	G¾	SFE-06
15	254	110	50	175	2920	G1	SFE-08
70	287	110	50	200	3330	G1¼	SFE-10
70	312	110	50	200	3330	G1½	SFE-12
70	312	110	50	200	3330	G2	SFE-16



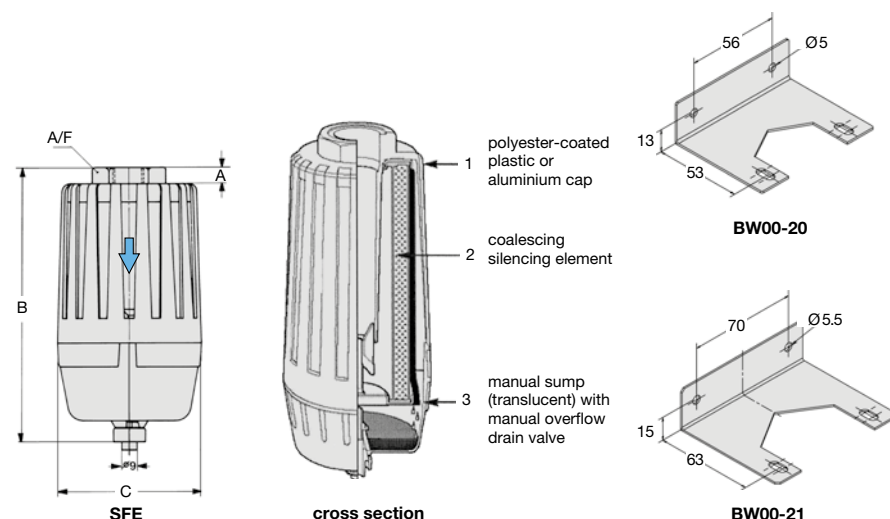
SFE-04



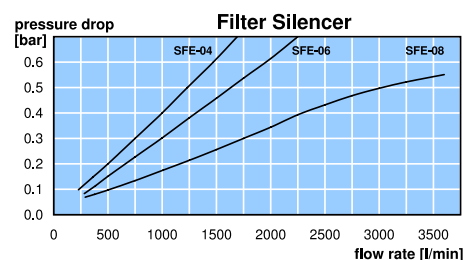
SFE-08

Accessories, enclosed

mounting bracket	made of steel	for G¼ to G¾	BW00-20
		for G1 to G2	BW00-21



filter structure



*1 at 6 bar operating pressure to atmosphere

