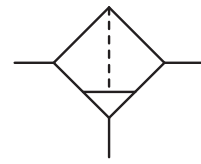


Compressed Air Filter Series "D", up to 30 bar

FD

Description Good value zinc die-cast regulator of solid design. Wall mounting through two drilled holes.
Filter element 0.01 µm coalescing filter, 20 µm and 50 µm, optionally 5 µm or 50 µm, made of propylene coalescing filter: 99.99% based on 0.01 µm particle size
Filtration efficiency 99.99% based on 0.01 µm particle size
Bowl plastic version normal, short or long metal version with or without sight glass
Drainage semiautomatic drain as standard, for max. 16 bar optional manual drain, for max. 30 bar or automatic drain, for max. 16 bar
Operating pressure max. 12 bar for plastic bowl max. 16 bar for metal bowl with sight glass max. 30 bar for metal bowl without sight glass
Temperature range 0 °C to 50 °C / 32 °F to 122 °F for plastic bowl or (semi-) 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 at sizes G $\frac{1}{8}$ and G $\frac{1}{4}$, aluminium at sizes G $\frac{3}{8}$ to G2
 Bowl: polyurethane or zinc die-cast
 Elastomer: NBR/Buna-N



G $\frac{1}{8}$ up to G2
 0.01 / 5 / 20 / 50 µm

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

Compressed air filter, series "D"										with semiautomatic drain, 99.99% at 0.01 µm	FD
40	97	74	plastic/short	0.02	21	350	12	20	G $\frac{1}{8}$	FD-01UH	
40	148	125	plastic/long	0.05			12			FD-01LH	
40	114	91	plastic	0.03			12			FD-01KH	
40	148	125	metal/sight glass	0.05			16			FD-01MH	
			metal	0.05			16			FD-01NH	
			metal/sight glass	0.05	4	70	16	0.01		FD-01MI	
40	97	74	plastic/short	0.02	24	400	12	20	G $\frac{1}{4}$	FD-02UH	
40	148	125	plastic/long	0.05			12			FD-02LH	
40	114	91	plastic	0.03			12			FD-02KH	
40	148	125	metal/sight glass	0.05			16			FD-02MH	
			metal	0.05			16			FD-02NH	
			metal/sight glass	0.05	4	70	16	0.01		FD-02MI	
64	180	137	metal/sight glass	0.20	132	2200	16	50	G $\frac{3}{8}$	FD-03MJ	
			metal	0.20			16			FD-03NJ	
			metal/sight glass	0.20	27	450	16	0.01		FD-03MI	
64	180	137	metal/sight glass	0.20	144	2400	16	50	G $\frac{1}{2}$	FD-04MJ	
			metal	0.20			16			FD-04NJ	
			metal/sight glass	0.20	30	500	16	0.01		FD-04MI	
100	207	180	metal/sight glass	0.50	420	7000	16	50	G $\frac{3}{4}$	FD-06MJ	
			metal	0.50			16			FD-06NJ	
			metal/sight glass	0.50	84	1400	16	0.01		FD-06MI	
100	210	180	metal/sight glass	0.50	510	8500	16	50	G1	FD-08MJ	
			metal	0.50			16			FD-08NJ	
			metal/sight glass	0.50	102	1700	16	0.01		FD-08MI	



FD-01KH

FD-01LH



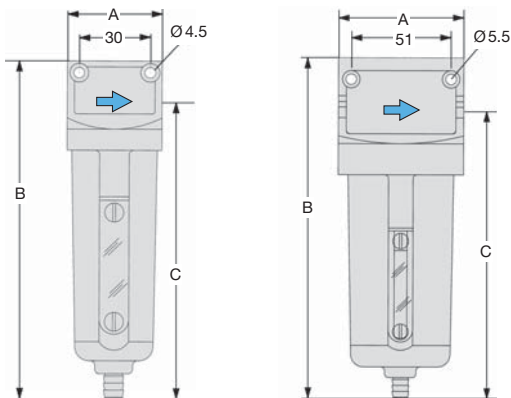
FD-02MH



FD-04MJ

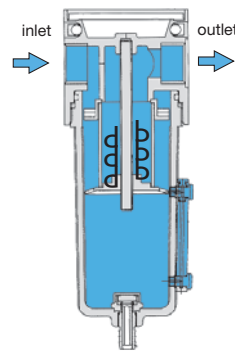
Filter

 16

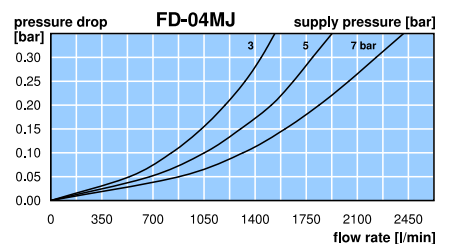
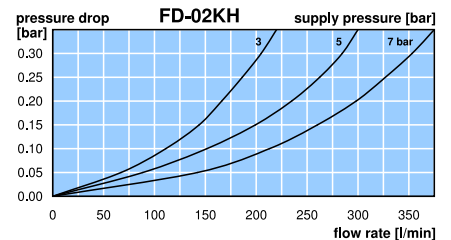


FD-01/-02

FD-03/-04



cross section



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

Extensions: see chapter for FRL service units
 Spare parts: see separate spare parts list

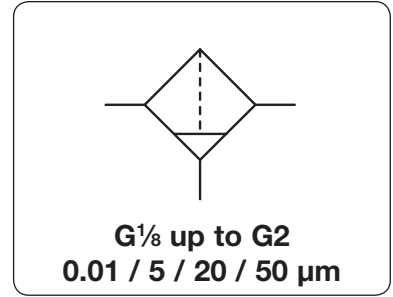
PDF CAD
www.aircom.net

Order example:
 FD-01UH

Compressed Air Filter Series "D", up to 30 bar

FD

Description	Good value zinc die-cast regulator of solid design. Wall mounting through two drilled holes.
Filter element	0.01 µm coalescing filter, 20 µm and 50 µm, optionally 5 µm or 50 µm, made of propylene coalescing filter: 99.99% based on 0.01 µm particle size
Filtration efficiency	plastic version normal, short or long metal version with or without sight glass
Bowl	semiautomatic drain as standard, for max. 16 bar
Drainage	optionally manual drain, for max. 30 bar or automatic drain, for max. 16 bar
Operating pressure	max. 12 bar for plastic bowl max. 16 bar for metal bowl with sight glass max. 30 bar for metal bowl without sight glass
Temperature range	0 °C to 50 °C / 32 °F to 122 °F for plastic bowl or (semi-) 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 at sizes G $\frac{3}{8}$ and G $\frac{1}{4}$, aluminium at sizes G $\frac{3}{4}$ to G2 Bowl: polyurethane or zinc die-cast Elastomer: NBR/Buna-N



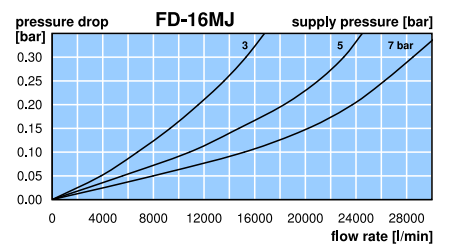
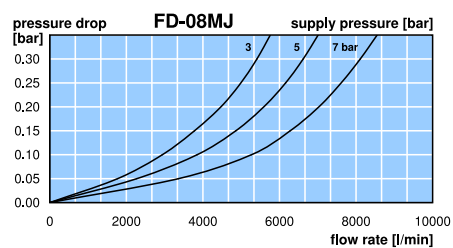
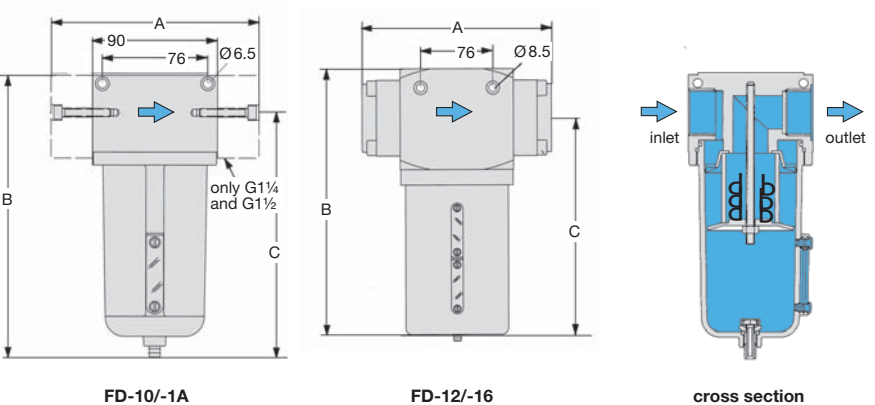
Dimensions			Bowl	Flow	Supply	Filter	Connection	Order
A	B	C	Design	Capacity	rate	element	thread	number
mm	mm	mm	made of/with	l	m ³ /h*1	µm	G	

Compressed air filter, series "D"										with semiautomatic drain, 99.99 % at 0.01 µm	FD
150	206	172	metal/sight glass	0.5	570	9500	16	50	G1 $\frac{1}{4}$	FD-10MJ	
			metal	0.5			16			FD-10NJ	
			metal/sight glass	0.5	114	1900	16	0.01		FD-10MI	
150	206	172	metal/sight glass	0.5	600	10000	16	50	G1 $\frac{1}{2}$	FD-1AMJ	
			metal	0.5			16			FD-1ANJ	
			metal/sight glass	0.5	120	2000	16	0.01		FD-1AMI	
215	267	232	metal/sight glass	1.5	1800	30000	16	50	G1 $\frac{1}{2}$	FD-12MJ	
			metal	1.5			16			FD-12NJ	
			metal/sight glass	1.5	360	6000	16	0.01		FD-12MI	
215	267	232	metal/sight glass	1.5	1800	30000	16	50	G2	FD-16MJ	
			metal	1.5			16			FD-16NJ	
			metal/sight glass	1.5	360	6000	16	0.01		FD-16MI	



Special options, add the appropriate letter

5 µm filter element	for G $\frac{3}{8}$ to G $\frac{1}{2}$	FD-0. . . G
	for G $\frac{3}{4}$ to G1	FD-0. . . G
	for G1 $\frac{1}{4}$ to G2	FD-1. . . G
operating pressure 30 bar	for metal bowl with manual drain only	FD- . . . N. H
manual drain	max. 16 bar	FD- H
automatic drain	draining through float valve, max. 16 bar for G $\frac{3}{8}$ to G2	FD- R



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