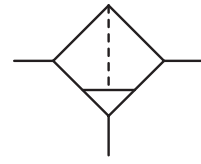


<b>Description</b>	Good value zinc die-cast regulator of solid design. Wall mounting through two drilled holes.
<b>Filter element</b>	0.01 µm coalescing filter, 20 µm and 50 µm, optionally 5 µm or 50 µm, made of propylene coalescing filter: 99.99% based on 0.01 µm particle size
<b>Filtration efficiency</b>	
<b>Bowl</b>	plastic version normal, short or long metal version with or without sight glass
<b>Drainage</b>	semiautomatic drain as standard, for max. 16 bar optionally manual drain, for max. 30 bar or automatic drain, for max. 16 bar
<b>Operating pressure</b>	max. 12 bar for plastic bowl max. 30 bar for metal bowl without sight glass max. 16 bar for metal bowl with sight glass
<b>Temperature range</b>	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
<b>Material</b>	Body: zinc die-cast aluminium Bowl: polyurethane or zinc die-cast at sizes G <sup>1</sup> / <sub>8</sub> and G <sup>1</sup> / <sub>4</sub> at sizes G <sup>3</sup> / <sub>8</sub> to G <sub>2</sub> Elastomer: NBR/Buna-N



**G<sup>1</sup>/<sub>8</sub> up to G<sub>2</sub>**  
**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 <sup>3</sup> /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 <sup>1</sup> / <sub>8</sub>	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
40	148	125	metal	0.05			16			FD-01NH
40	148	125	metal/sight glass	0.05	4	70	16	0.01		FD-01MI
40	97	74	plastic/short	0.02	24	400	12	20	G <sup>1</sup> / <sub>4</sub>	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
40	148	125	metal	0.05			16			FD-02NH
40	148	125	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 <sup>3</sup> / <sub>8</sub>	FD-03MJ
64	180	137	metal	0.20			16			FD-03NJ
64	180	137	metal/sight glass	0.20	27	450	30	0.01		FD-03MI
64	180	137	metal/sight glass	0.20	144	2400	16	50	G <sup>1</sup> / <sub>2</sub>	FD-04MJ
64	180	137	metal	0.20			16			FD-04NJ
64	180	137	metal/sight glass	0.20	30	500	16	0.01		FD-04MI
90	206	162	metal/sight glass	0.50	420	7000	16	50	G <sup>3</sup> / <sub>4</sub>	FD-06MJ
90	206	162	metal	0.50			16			FD-06NJ
90	206	162	metal/sight glass	0.50	84	1400	16	0.01		FD-06MI
90	206	162	metal/sight glass	0.50	510	8500	16	50	G <sub>1</sub>	FD-08MJ
90	206	162	metal	0.50			16			FD-08NJ
90	206	162	metal/sight glass	0.50	102	1700	16	0.01		FD-08MI



FD-01KH

FD-01LH



FD-02MH

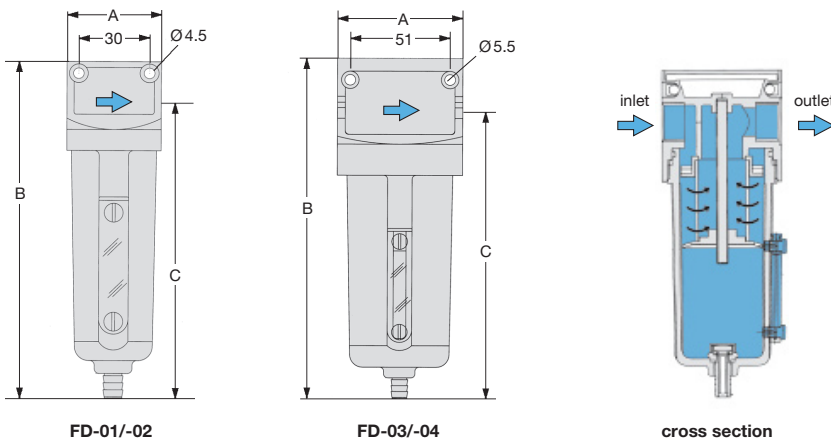


FD-04MJ

Filters



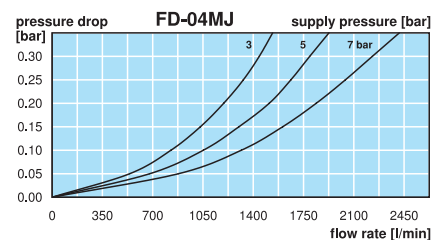
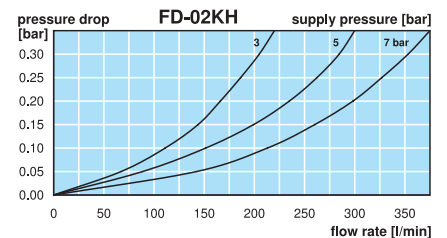
16



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  
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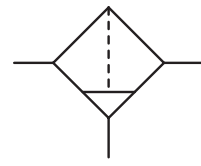


**Order example:**  
FD-01UH

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

FD

<b>Description</b>	Good value zinc die-cast regulator of solid design. Wall mounting through two drilled holes.		
<b>Filter element</b>	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		
<b>Filtration efficiency</b>	99.99%		
<b>Bowl</b>	plastic version normal, short or long	metal version with or without sight glass	
<b>Drainage</b>	semiautomatic drain as standard, for max. 16 bar optionally manual drain, for max. 30 bar or automatic drain, for max. 16 bar		
<b>Operating pressure</b>	max. 12 bar for plastic bowl	max. 16 bar for metal bowl with sight glass	
<b>Temperature range</b>	max. 30 bar for metal bowl without sight glass		
<b>Material</b>	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	at sizes G1/4 and G1/2	
	Body: zinc die-cast	at sizes G3/8 to G2	
	aluminium	Elastomer: NBR/Buna-N	
	Bowl: polyurethane or zinc die-cast		



G1/8 up to G2  
0.01 / 5 / 20 / 50 µm

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	bar	µm	G	

## Compressed air filter, series "D" with semiautomatic drain, 99.99% at 0.01 µm FD

150	206	162	metal/sight glass	0.5	570	9500	16	50	G1/4	FD-10MJ
			metal	0.5			16			FD-10NJ
150	206	162	metal/sight glass	0.5	114	1900	16	0.01		FD-10MI
150	206	230	metal/sight glass	0.5	600	10000	16	50	G1/2	FD-1AMJ
			metal	0.5			16			FD-1ANJ
150	206	230	metal/sight glass	0.5	120	2000	16	0.01		FD-1AMI
199	293	230	metal/sight glass	1.5	1800	30000	16	50	G1/2	FD-12MJ
			metal	1.5			16			FD-12NJ
150	293	230	metal/sight glass	1.5	360	6000	16	0.01		FD-12MI
199	293	230	metal/sight glass	1.5	1800	30000	16	50	G2	FD-16MJ
			metal	1.5			16			FD-16NJ
150	293	230	metal/sight glass	1.5	360	6000	16	0.01		FD-16MI



FD-08MJ



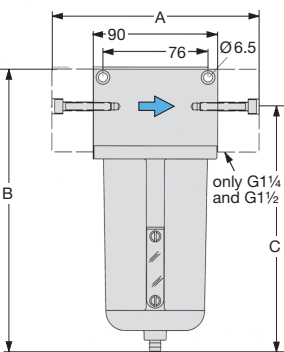
FD-1AMJ



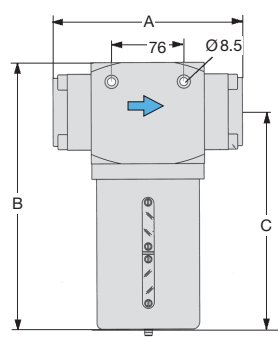
FD-16MJ

## Special options, add the appropriate letter

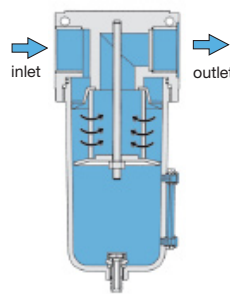
<b>5 µm filter element</b>		for G1/8 to G1/2	FD-0. . G
		for G3/8 to G1	FD-0. . G
		for G1/2 to G2	FD-1. . G
<b>50 µm filter element</b>		for G1/8 and G1/4	FD-0. . J
<b>operating pressure 30 bar</b>	only for metal bowl with manual drain		FD- . . N. H
<b>manual drain</b>	max. 16 bar		FD- . . . . H
<b>automatic drain</b>	draining through float valve, max. 16 bar	for G3/8 to G2	FD- . . . . R



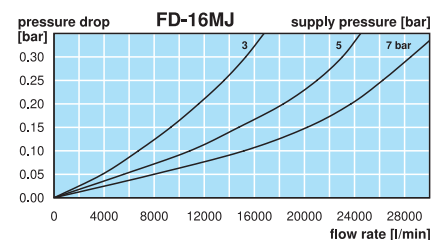
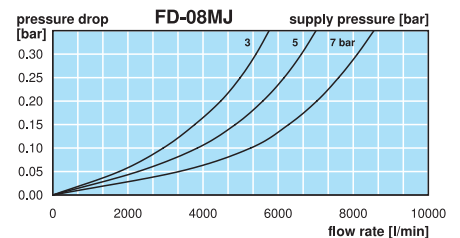
FD-10/-1A



FD-12/-16



cross section



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

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

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Order example:  
FD-10MJ

