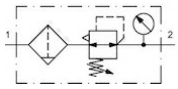
Partnership. With Guarantee.

Filter regulator G1/2" and G3/4" Series Modul FR03



Design type	Diaphragm pressure regulator with secondary venting, Centrifugal force principle filter, Sintered filter element, semi-automatic drain valve
Connection	G1/2" and G3/4" according to ISO228/1
Materials	Housing Zinc die casting, Condensate reservoir Polycarbonate or Metal, Seals NBR, Spring cap POM
Function	Secondary pressure regulation
Locking mechanism	Pressure setting can be locked by pressing in the rotary knob
Filter element	5µm
Mounting type	Installation in piping system, Locknut or Wall mounting using mounting bracket
Mounting position	vertical, Drain screw bottom
Medium	Compressed air
Medium temperature	with plastic bowl 0...+60°C, with metal bowl 0...+60°C (with appropriately conditioned compressed air -10...+60°C)
Ambient temperature	with plastic bowl 0...+60°C, with metal bowl -10...+60°C
Inlet pressure	maximum 16bar, with automatic drain valve 1,5...16bar
Control ranges	0,1...3bar and 0,5...10bar (0,2...6bar and 0,5...16bar on request)
Flow direction	is marked by an arrow
Scope of delivery	including pressure gauge

Order code

		FR03 - 12 - 0,1/3 - P - A
Connection	1/2"	12
	3/4"	34
Pressure range	0,1...3bar	0,1/3
	0,2...6bar	0,2/6
	0,5...10bar	0,5/10
	0,5...16bar	0,5/16
Reservoir	Plastic reservoir (Leave blank)	
	Plastic reservoir with protective cage	P
	Metal container	M
Drain valve	semi-automatic drain valve (Leave blank)	
	automatic drain valve	A

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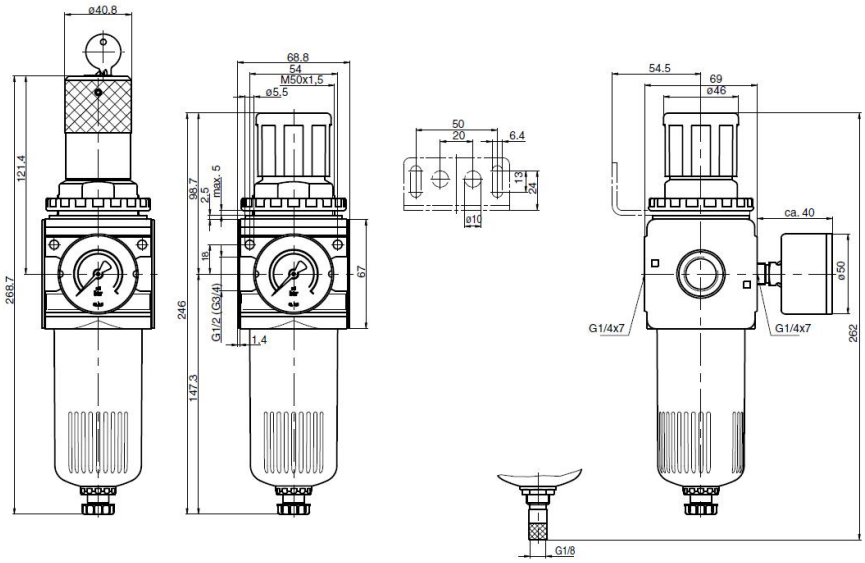
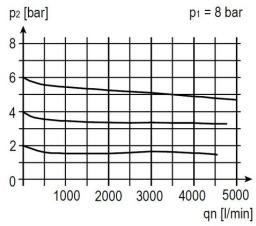
Dimensional drawing



semi-automatic drain valve automatic drain valve

Connection	Flow rate at 6 bar* [Nl/min]	max. inlet pressure [bar]	Pressure range [bar]	Type
G1/2"	3500	16	0,1...3	FR03-12-0,1/3
G1/2"	3500	16	0,5...10	FR03-12-0,5/10
G1/2"	3500	16	0,1...3	FR03-12-0,1/3-P
G1/2"	3500	16	0,5...10	FR03-12-0,5/10-P
G1/2"	3500	16	0,1...3	FR03-12-0,1/3-M
G1/2"	3500	16	0,5...10	FR03-12-0,5/10-M
G3/4"	3500	16	0,1...3	FR03-34-0,1/3
G3/4"	3500	16	0,5...10	FR03-34-0,5/10
G3/4"	3500	16	0,1...3	FR03-34-0,1/3-P
G3/4"	3500	16	0,5...10	FR03-34-0,5/10-P
G3/4"	3500	16	0,1...3	FR03-34-0,1/3-M
G3/4"	3500	16	0,5...10	FR03-34-0,5/10-M
*Flow rate data at an inlet pressure of 8 bar, an outlet pressure of 6 bar and a pressure drop of 1 bar				

Flow diagram for control range 0,5...10 bar



Accessories

Designation	Type
Locknut M50x1,5	MPN03-12/34
Holding angle bracket with nut M50x1,5	MMP03-12/34
Holding angle bracket with 2 screws	MMB03-12/34

Illustrations non-binding
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