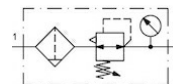


Filter regulator G1/8" Series Modul FR03



Design type	Diaphragm pressure regulator with secondary venting, Centrifugal force principle filter, Sintered filter element, semi-automatic drain valve
Connection	G1/8" according to ISO228/1
Materials	Housing zinc die-cast, 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 - 18 - 0,1/3 - M - A					
Connection	1/8"	18			
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)				
	Metal container	M			
Drain valve	semi-automatic drain valve (Leave blank)				
	automatic drain valve	A			



*Flow rate data at an inlet pressure of 8 bar, an outlet pressure of 6 bar and a pressure drop of 1 bar

The graph shows the relationship between the outlet pressure p_2 [bar] and the flow rate q_n l/min for a pump with a constant inlet pressure $p_1 = 8$ bar. The y-axis represents p_2 [bar] and ranges from 0 to 8 with major grid lines every 2 units. The x-axis represents q_n l/min and ranges from 0 to 1500 with major grid lines every 300 units. Three curves are plotted, each representing a different operating point. The curves start at $p_2 = 6$ bar (at $q_n = 0$), $p_2 = 4$ bar (at $q_n = 0$), and $p_2 = 2$ bar (at $q_n = 0$). All curves show a decrease in p_2 as q_n increases.

q_n l/min	p_2 [bar] (Curve 1: $p_2 = 6$ bar at $q_n = 0$)	p_2 [bar] (Curve 2: $p_2 = 4$ bar at $q_n = 0$)	p_2 [bar] (Curve 3: $p_2 = 2$ bar at $q_n = 0$)
0	6.0	4.0	2.0
300	5.8	3.8	1.8
600	5.5	3.5	1.5
900	5.2	3.2	1.2
1200	4.8	2.8	0.8

Designation	Type
Locknut M30x1,5	MPN03-18/38
Holding angle bracket with neck nut	MMP03-18/38

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