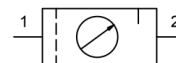


Maintenance unit G1/4" and G3/8" Series MU203



Design type	Diaphragm pressure regulator with secondary venting, Centrifugal force principle filter, Sintered filter element, semi-automatic drain valve, Proportional lubricator
Connection	G1/4" and G3/8" according to ISO228/1
Materials	Housing Zinc die casting, Oil and condensate reservoir Polycarbonate or Metal, Seals NBR, Knob POM
Function	Pressure regulation with filtration and enrichment of the compressed air with oil
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
Oil recommendation	HP32A (Temperature range 0...50°C), NR32 (Temperature range -35...85°C)
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	0,5...10bar (0,1...3bar / 0,2...6bar / 0,5...16bar on request)
Flow direction	is marked by an arrow
Scope of delivery	including pressure gauge

Order code

MU203 - 14 H - 0,5/3 - P - A	
	14"
Connection	3/8"
Flow rate	Standard (Leave blank)
	high flow rate
Pressure range	0,1...3bar
	0,2...6bar
	0,5...10bar
	0,5...16bar
Reservoir	Plastic reservoir (Leave blank)
	Plastic reservoir with protective cage
	Metal container
Drain valve	semi-automatic drain valve (Leave blank)
	automatic drain valve



[illegible]

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

Figure 10 consists of two graphs. The left graph is a flow diagram showing the relationship between pressure p_2 [bar] and flow rate q_n [l/min] for three different flow rates: 10 l/min, 20 l/min, and 30 l/min. The pressure p_1 is constant at 8 bar. The right graph shows the Oiler response threshold, plotting pressure p [bar] against flow rate q_n [l/min].

q_n [l/min]	p_2 [bar] (10 l/min)	p_2 [bar] (20 l/min)	p_2 [bar] (30 l/min)
0	6.0	4.0	2.0
400	5.8	3.8	1.8
800	5.5	3.5	1.6
1200	5.0	3.2	1.4
1600	4.2	2.8	1.1

q_n [l/min]	p [bar]
40	0.5
50	1.5
60	3.0
70	4.5
80	6.0
90	7.5

Designation	Type
Locknut M30x1,5	MPN03-18/38
Holding angle with neck nut M30x1,5	MMP03-18/38
Holding angle with 2 screws	MMB03-14H/38

[Pneumatics](#) / [Regulators, filters and lubricators](#) / [Maintenance devices - series Modul](#) / [Maintenance unit Series Modul MU203-P](#) / [\[MU203-38-0,5/10-P\] Maintenance unit 3/8"-1100](#)