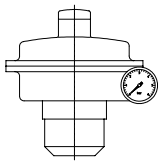
Technical Data Sheet
Pressure Controller
„Roboter“ Type 902



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Technical Data

Mounting	Assembled to diaphragm actuator type 811		
Body material	Standard: Aluminium / Steel / Stainless Steel - Special: Hastelloy, ...		
Mounting position	Measuring unit (bellows) vertically to the top, impulse line connection at the bottom		
Temperature range	-20 to +120°C or on request		
Adjustment range	[bar(g)]	Measuring element	Overload Capacity [bar(g)] Bronze / Stainless Steel
Vacuum	-1...-0,01	bellows ∅ 60 mm	9 / - (only SS)
Over pressure	0,02...0,4	diaphragm ∅ 160 mm	4
	0,08...1,8	bellows ∅ 60 mm	9 / - (only SS)
	0,15...3	bellows ∅ 50 mm	7 / 14
	0,25...7	bellows ∅ 36 mm	9 / 15
	0,5...15	bellows ∅ 28 mm	18 / 25
	0,7...18	bellows ∅ 22 mm	22 / 22
	1...30	bellows ∅ 19 mm	40 / 40
	1,5...80	bellows ∅ 15 mm	90 / 105 (only SS)
Differential pressure	0,25...5	bellows ∅ 50 mm	12 / 25
Control algorithm	P-Controller		
Sensitivity	< 0,02 % of medium adjustment range		
Hysteresis	< 1 % of medium adjustment range		
Air supply influence	< 0,4 % per 0,1 bar air supply change		
Flow capacity	460 Sl/h at Y = 0,6 Z = 1,4 nozzle 2/1,9 / 650 Sl/h at Y = 0,6 Z = 1,4 nozzle 3/1,8		
	1200 Sl/h at Y = 0,6 Z = 1,4 nozzle 3/1,7		
Air supply pressure p_Z	1,4 (2,5) bar		
Control pressure y	0,2...1 bar (0,2 ...2,0 bar)		
Air consumption	≤ 300 Sdm^3/h at p_Z = 1,4 bar		
Connections	x G 3/8, y and p_Z G ¼		
Dimensions	Please refer to the dimensional drawing		
Weight	App. 4,5 kg		

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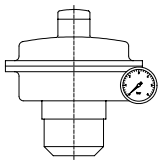

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