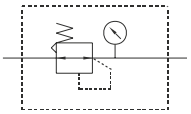
Precision pressure regulators are used for reduce of pressure to precise working pressure, which is automatically hold on selected value. It can be used especially in control applications, where the exact value of output pressure is required.

More information such as technical parameters and dimensions can be found on our website www.sappv.cz/r/j04e

For proper operation, the valve continuously consumes a small amount of compressed air after connecting the supply pressure and blows it out through the relief hole.



Port size	MAIR100	MAIR200	MAIR300		
	G1/8“	G1/4“	G1/4“	G3/8“	G1/2“
Primary pressure [MPa]	0 to 1,0 (setting pressure + 0,05 MPa)		0 to 1,0 (setting pressure + 0,10 MPa)		
Secondary pressure [MPa]	range 2K: 0,005 to 0,2 range 4K: 0,01 to 0,4 range 8K: 0,01 to 0,8				
Test presure [MPa]	1,5				
Air consumption [Nl/min]	4,4		11,5		
Output sensitivity [MPa]	0,2% of full span				
Output repeatability [MPa]	±0,5% of full span				
Temperature range [°C]	-5 to +60				
Weight [kg]	0,150	0,300	0,875		
Supply contains	gauge (R1/8“), bracket (elbow)				

Order codes

PMAIR 100 6A 2K BSP

Type - port size	
100 6A	MAIR100, G1/8“
200 8A	MAIR200, G1/4“
300 8A	MAIR300, G1/4“
300 10A	MAIR300, G3/8“
300 15A	MAIR300, G1/2“

Secondary pressure range	
2K	0,005-0,2 MPa
4K	0,01-0,4 MPa
8K	0,01-0,8 MPa

Caution

- If the air supply line contains drain or particlate, etc., the primary pressure fixed throttle can become clogged leading to malfunction, and therefore, be sure to use an air filter (MAF or MAM*) & mist separator.
- Never use a lubricator on the primary side of the regulator, as this will positively cause the fixed throttle to become clogged and result in a malfunction. If lubrication is required for terminal devices, connect a lubricator on the secondary side.
- When to be during maintenance, first reduce the precision regulatorset pressure to zero, and completely shut off the supply pressure.
- If a directional switching valve (solenoid valve, mechanical valve, etc.) is mounted on the primary side of the the precision regulator and repeatedly switched ON and OFF, wear of the nozzle/diaphragm section will be accelerated and a discrepancy in the setting value may occur. Therefore, avoid using a directional switching valve on the primary side. In the event a directional switching valve will be used, install it on the secondary side of the precision regulator.

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Flow capacity