

# Proportional pressure regulator



TECHNICAL DATA	
Connection:	G1/4" inlet
Operating medium:	Air filtered (5µm) and dehumidified
Flowrate:	1100 NI/min
Input/output signal:	4-20 mA (0-10V, 0-20mA)
Outlet pressure:	0-9 bar, 0-130psi
Inlet pressure min	Outlet pressure + 1 bar, 15psi
Inlet pressure max:	10 bar, 150psi
Supply voltage:	24 VDC
Connection electrical:	M12 plug, 5-pin
Temperature:	0 to +50°C, 32 to +122°F
Degree of protection:	IP65

With the assistance of proportional pressure regulator AKO air operated pinch valves can be controlled into any interim position instead of the normal open/close operation (50% open, for instance). This is done by transforming an electrical signal (current, voltage) proportionally into an pneumatic pressure. The utilization of proportional pressure regulator is recommended for electrical control circuits that have to take actions directly to any pressure or flow changes on a pipe system (automatic-flow-control). By using of a simple set point device (potentiometer 4-20mA, for instance) the AKO air operated pinch valve can be manually controlled into any interim position (manual-flow-control).



### **Models for Pinch Valves:**

#### **PV.P171.9.4-20.SET1/8.1,0**

DN10 - DN25 with G1/8" air connection

#### **PV.P171.9.4-20.SET1/4.1,0**

DN32 - DN65 with G1/4" air connection

#### **PV.P171.9.4-20.SET1/4.2,0**

DN80 - DN150 with G1/4" air connection

#### **PV.P171.9.4-20.SET3/8**

DN200 with G3/8" air connection

#### **PV.P171.9.4-20.SET1/2**

DN250 - DN300 with G1/2" air connection

#### **PVST.5x5**

Cable socket M12 (5-pol), 5m cable

Technical details subject to change without notice.



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