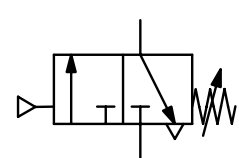


Pressure and Vacuum Switch with Pneumatic Output, Type "Airtrol®" PP / VP700

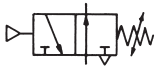
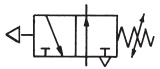
Description	Pilot-actuated pressure valve with precisely adjustable pilot setpoint. Perfect for applications which require intrinsic safety, pneumatic sequencing or pressure relief. Valves are normally opened or closed. The switch complies with FDA regulations and is suitable for water and food products.	
Media	5 µm filtered compressed air	
Pressure valve	3-port/2-way air-assisted servo valve with exhaust to atmosphere, NO or NC, made of nylon	
	Supply pressure:	1.4...8 bar, untapped exhaust
	Air consumption:	max. 0.3 l/min at 2 bar supply pressure or max. 0.7 l/min at 7 bar
	Pneumatic connection:	quick connector for hose external diameter of 4 mm (5/32")
	Flow rate:	70 l/min at 7 bar, nominal size DN 0.2, K _v = 0.05
	Switching time:	64 ms at 6 bar supply pressure
Accuracy	Pressure switch:	at supply pressure variation of 0.7 bar: < 7 mbar pressure deviation
	Vacuum switch:	at supply pressure variation of 0.3 bar: < 3 mbar pressure deviation
	Repeatability:	± 2% FS
Temperature range	4 °C to 60 °C / 40 °F to 140 °F	
Material	Body:	polysulphone
	Diaphragm:	polyurethane
	Mounting position	any
	Spring:	stainless steel
	Media non-contact parts:	nylon, carbon fibre nylon, acetal



70... 350 mbar / 7 bar
-30... -170 / -850 mbar

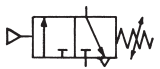
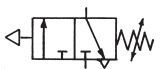
Switches
12

Description	Supply pressure switching valve	Hysteresis typical mbar	Hysteresis max. mbar	Over-pressure max. bar	Measurement range bar	Order number
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Switch with pneumatic output, NO		1/8" NPTm, supply pressure 1.4...8 bar		PP / VP700		
 pressure switch	1.4...8 bar	10	30	2	0.07... 0.35	PP700- 5PT
		20	40	4	0.07... 1.0	PP700- 15PT
	NO	20	70	4	0.07... 2.1	PP700- 30PT
		30	140	8	0.20... 4.2	PP700- 60PT
		50	200	8	0.35... 7.0	PP700-100PT
 vacuum switch	1.4...8 bar	15	30	-1	-0.03... -0.17	VP700- 5PT
		20	40	-1	-0.03... -0.34	VP700- 10PT
	NO	30	70	-1	-0.07... -0.85	VP700- 30PT



PP700-100PT

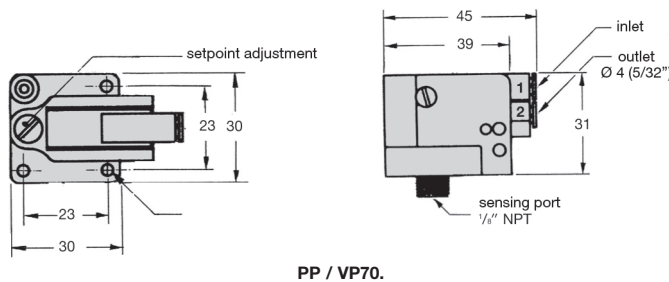
Switch with pneumatic output, NC		1/8" NPTm, supply pressure 1.4...8 bar		PP / VP701		
 pressure switch	1.4...8 bar	10	30	2	0.07... 0.35	PP701- 5PT
		20	40	4	0.07... 1.0	PP701- 15PT
	NC*1	20	70	4	0.07... 2.1	PP701- 30PT
		30	140	8	0.20... 4.2	PP701- 60PT
		50	200	8	0.35... 7.0	PP701-100PT
 vacuum switch	1.4...8 bar	15	30	-1	-0.03... -0.17	VP701- 5PT
		20	40	-1	-0.03... -0.34	VP701- 10PT
	NC*1	30	70	-1	-0.07... -0.85	VP701- 30PT



PP700-15PM


Special options, add or change the appropriate letter

flush mounting	barbed fitting made of nylon,	Ø 1/16", Ø 2 mm	. P70.-... FMB80
panel mounting	barbed fitting made of nylon,	Ø 1/16", Ø 2 mm	. P70.-... PMB80
manifold mounting			. P70.-... MM
barbed fitting	for FM and PM,	nylon, Ø 1/16", Ø 2 mm	. P70.-... B80
		nylon, Ø 1/8", Ø 4 mm	. P70.-... B85
		polysulphone, Ø 1/16", Ø 2 mm	. P70.-... P80
		polysulphone, Ø 1/8", Ø 4 mm	. P70.-... P85
free of grease and oil	specially cleaned, suitable for oxygen		. P70.-... L



*1 only output signal in the absence of input signal (positive pressure, vacuum)
*2 no output signal in the absence of input signal (positive pressure, vacuum)

PDF CAD
www.aircom.net

 Order example:
PP700-5PT