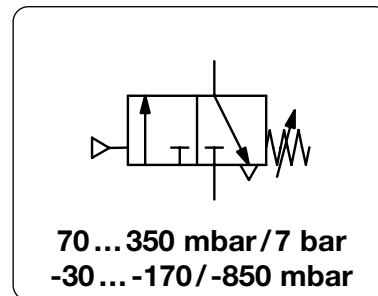


Description	Pilot-actuated pressure valve with precisely adjustable pilot setpoint. Perfect for applications which require intrinsic safety, pneumatic sequencing or pressure relief. Valves are normally opened or closed. The switch complies with FDA regulations and is suitable for water and food products.	
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



Description	Supply pressure of switching valve	Hysteresis typical	Hysteresis max.	Over-pressure max. bar	Measurement range bar	Order number
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Switch with pneumatic output, NO	1/8" NPT male, supply pressure 1.4...8 bar		PP / VP700				
<p>pressure switch</p>	1.4 ... 8 bar	15	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	
		35	140	8	0.20 ... 4.2	PP700- 60PT	
		50	240	8	0.35 ... 7.0	PP700-100PT	
<p>vacuum switch</p>	1.4 ... 8 bar	15	35	-1	-0.03 ... -0.17	VP700- 5PT	
		20	40	-1	-0.03 ... -0.34	VP700- 10PT	
	NO	35	70	-1	-0.07 ... -0.85	VP700- 30PT	



PP/VP700-...PT

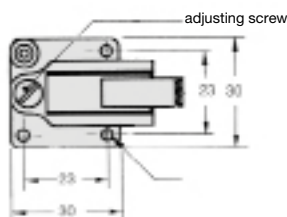
Switch with pneumatic output, NC	1/8" NPT male, supply pressure 1.4...8 bar		PP / VP701				
<p>pressure switch</p>	1.4 ... 8 bar	15	30	2	0.07 ... 0.35	PP701- 5PT	
			20	40	4	0.07 ... 1.0	PP701- 15PT
	NC	20	70	4	0.07 ... 2.1	PP701- 30PT	
		35	140	8	0.20 ... 4.2	PP701- 60PT	
		50	240	8	0.35 ... 7.0	PP701-100PT	
<p>vacuum switch</p>	1.4 ... 8 bar	15	35	-1	-0.03 ... -0.17	VP701- 5PT	
		20	40	-1	-0.03 ... -0.34	VP701- 10PT	
	NC	35	70	-1	-0.07 ... -0.85	VP701- 30PT	



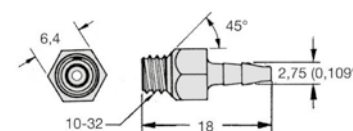
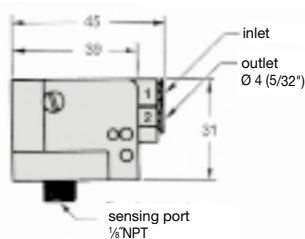
PP/VP701-...FM

Special options, add or change the appropriate letter

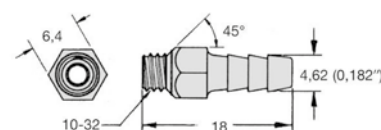
flush mounting	barbed fitting made of nylon,	Ø 1/16", Ø 2 mm	.P70-... FM
panel mounting	barbed fitting made of nylon,	Ø 1/16", Ø 2 mm	.P70-... PM
manifold mounting			.P70-... MM
barbed fitting	for FM and PM,	nylon, Ø 1/16", Ø 2 mm	.P70-... B80 Stand.
		nylon, Ø 1/8", Ø 4 mm	.P70-... B85
		polysulphone, 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



PP / VP70



B80 / P80



B85 / P85

*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)

* Product group

