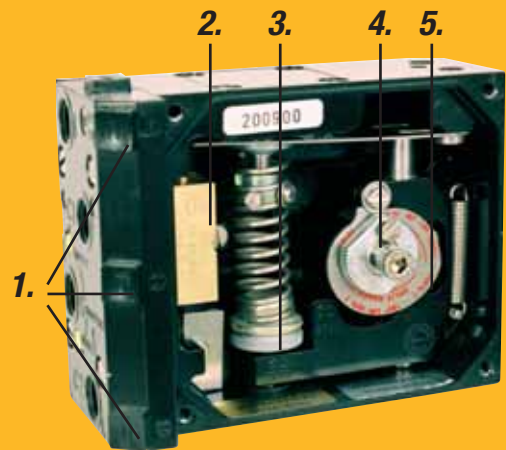


P5 Pneumatic Positioner

Product
Information



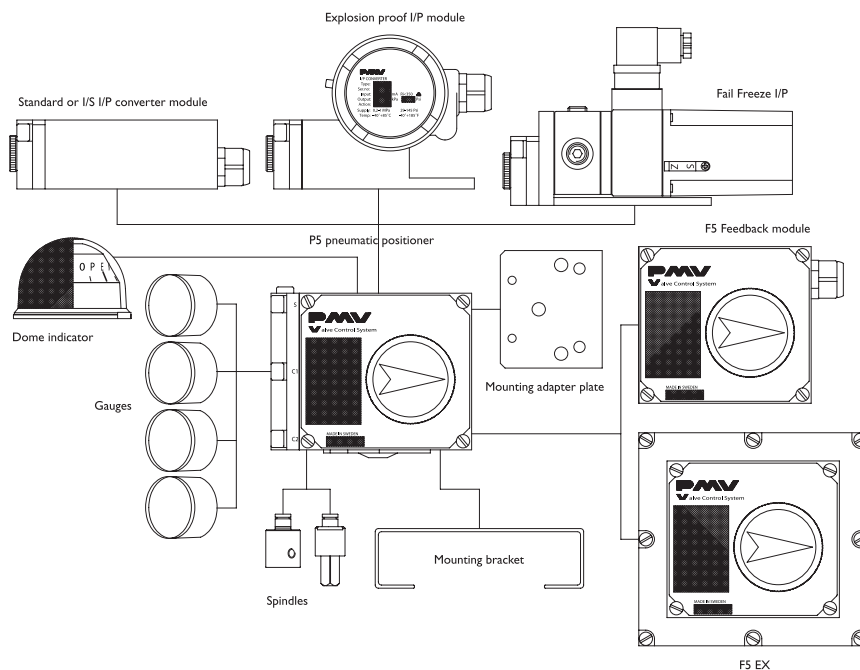
1. Gauge ports
2. Gold plated spool valve
3. Simple calibration, external zero adjustment
4. Stainless cam
5. Simple cam locking



P5 Pneumatic Positioner

P5

- Sturdy, robust simple design
- Pilot valve with high gain
- Large, bright position indicator flat or Dome
- Stainless steel cam
- Threaded vent port
- Easy to add on feedback unit or I/P converter
- External zero adjustment
- Gauge ports standard





Technical data

Input signal	20 –100 KPa/3–15 Psi (6–30 Psi option)
Linearity	≤ 0.5%*
Hysteresis	≤ 0.5%*
Repeatability	≤ 0.5%*

Gain factor at: 600 KPa/87 Psi	High Performance Version	Normal Gain Version
	Min: 1000 KPa/KPa	Min: 450 KPa/KPa
	Min: 66%/ % ISA S75.13-1989	Min: 30%/ %

Max. air consumption at supply pressure:

0.2 MPa/29 Psi	6.1 nl/min (0.22 SCFM)	2.7 nl/min (0.1 SCFM)
0.4 MPa/58 Psi	13.6 nl/min (0.48 SCFM)	6.1 nl/min (0.21 SCFM)
0.6 MPa/87 Psi	22 nl/min (0.78 SCFM)	9.9 nl/min (0.35 SCFM)
0.8 MPa/116 Psi	30.5 nl/min (1.08 SCFM)	13.7 nl/min (0.48 SCFM)
1 MPa/145 Psi	39 nl/min (1.38 SCFM)	17.5 nl/min (0.62 SCFM)

Min. air delivery at supply pressure:

0.2 MPa/29 Psi	200 nl/min (6.9 SCFM)	156 nl/min (5.5 SCFM)
0.4 MPa/58 Psi	370 nl/min (12.8 SCFM)	288 nl/min (10.1 SCFM)
0.6 MPa/87 Psi	540 nl/min (18.8 SCFM)	421 nl/min (14.8 SCFM)
0.8 MPa/116 Psi	710 nl/min (24.7 SCFM)	553 nl/min (19.4 SCFM)
1 MPa/145 Psi	880 nl/min (30.6 SCFM)	686 nl/min (24 SCFM)

Position sensitivity	None	
Supply pressure effect	Max. 1MPa/150 Psi	
Temperature range	–20°C to +85°C/(–4°F to +185°F)	
Low temp option	–40°C to +85°C/(–40°F to +185°F)	
Connector threads	1/4" NPT or G (BSP)	
Gauge threads	1/8" NPT or G (BSP)	
Weight	1.1 kg/2.4 lbs	
Housing	Die cast aluminum	
Surface treatment	ED Epoxy paint, black	
Fasteners	A2/A4 Stainless	
Ingress protection	IP 66/NEMA 4	ATEX II 1 GD

* Percent of full scale



Modular

Simple to add on:

- Feedback Unit F5
- Dome Style Indicator
- I/P Converter



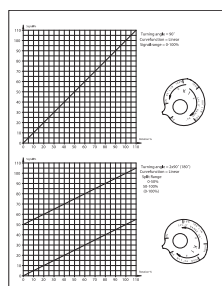
F5

P5 Series Coding

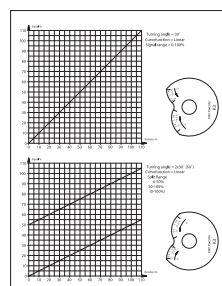
Model no	PP5XX	Single and (Double acting pneumatic)
	PA5XX	Single and (Double acting pneumatic, ATEX)
Spoolvalve	HP	High performance
	LB	Standard performance
Connection threads	G	1/4" G air
	N	1/4" NPT air, M20 x 1,5 electrical
Surface treatment	U	Epoxy, ED
	M	Tufram R66
Spindle	01	14 mm female
	23	Rotary, Namur, VDI/VDE 3845
Cam	K01	Linear 90 deg
	K02	Linear 30/60 deg
Frontcover	PV9	90 deg, 0-100% scale
	PV6	60 deg, 0-100% scale
	PV4	45 deg, 0-100% scale
	PV3	30 deg, 0-100% scale
	PV0	Blank, no scale
Function	D	Direct
	R	Reverse
Indicator	A	Indicator
	B	Blind, No indicator
	H	Dome style, H5
Input signal	3	3-15 Psi (0,2-1 bar)
	6	6-30 Psi (0,4-2 bar)
Seals/Temperature	Z	Nitrile, NBR -20 to +85 deg C
	Q	Silicon, Q -40 to +85 deg C
	B	Gas sealed, w. Q Seals

P 5 - - - - - K - P V - - - - -

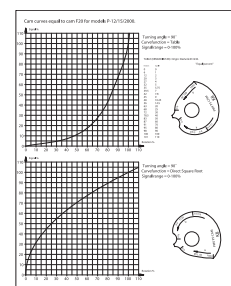
Cams



K1

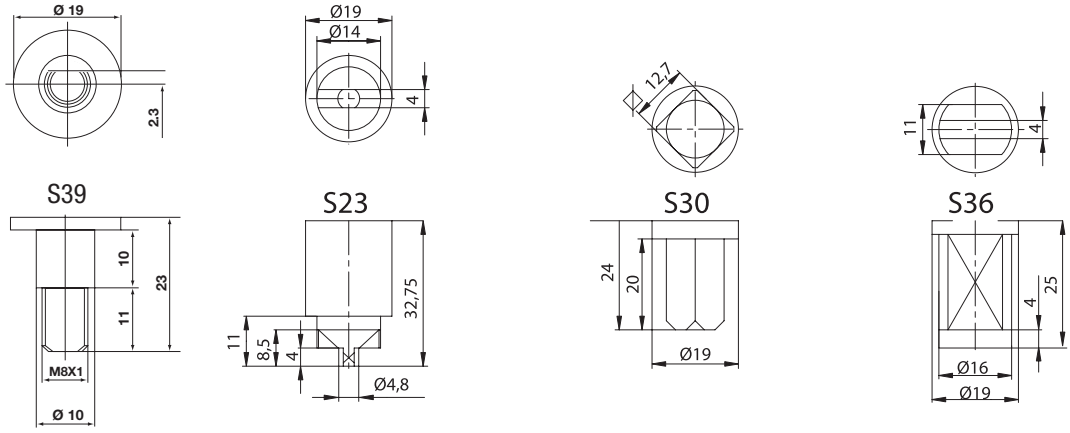


K3

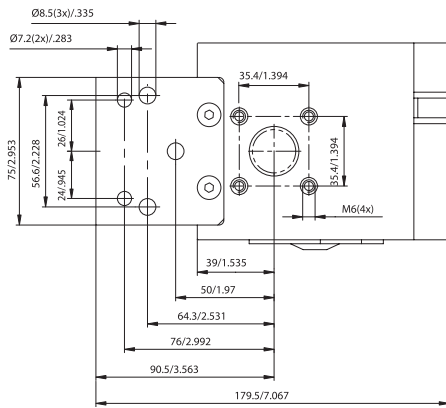


K8

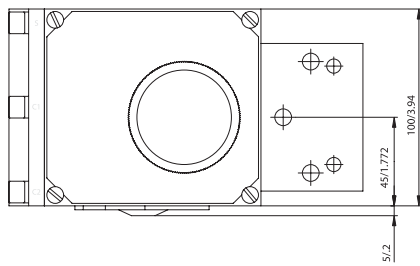
Spindles



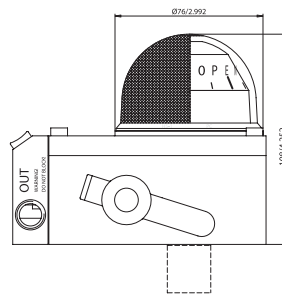
Dimensions drawings (mm)



P5



P5



P5 with H5



p/n: FCD PMENBR0008-02



Hazardous Locations 

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