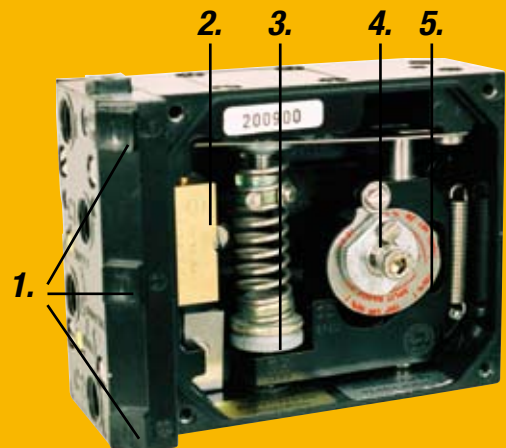


# *P5 Pneumatic Positioner*

Product  
Information



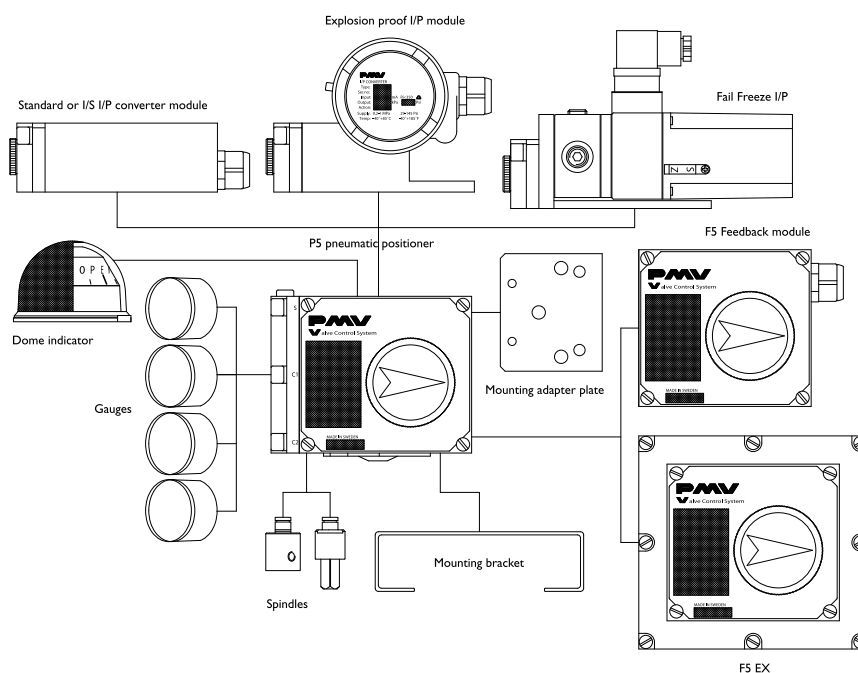
1. Gauge ports
2. Gold plated spool valve
3. Simple calibration, external zero adjustment
4. Stainless cam
5. Simple cam locking



## 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:

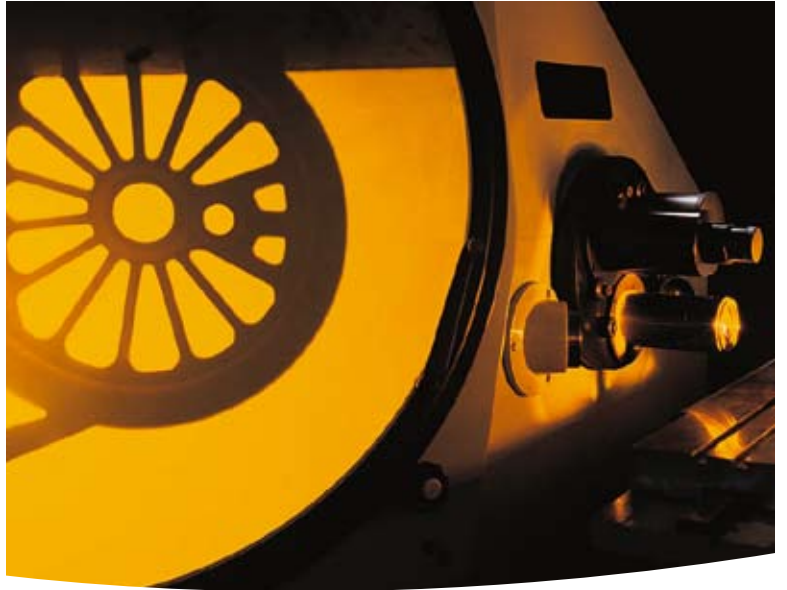
0.2 MPa/29 Psi	6.1 nl/min (0.22 SCFM)	2.7 nl/min (0.1 SCFM)
0.4 MPa/58 Psi	13.6 nl/min (0.48 SCFM)	6.1 nl/min (0.21 SCFM)
0.6 MPa/87 Psi	22 nl/min (0.78 SCFM)	9.9 nl/min (0.35 SCFM)
0.8 MPa/116 Psi	30.5 nl/min (1.08 SCFM)	13.7 nl/min (0.48 SCFM)
1 MPa/145 Psi	39 nl/min (1.38 SCFM)	17.5 nl/min (0.62 SCFM)

### 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/150Psi	
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 G

\* Percent of full scale



### Modular

**Simple to add on:**

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



F5

### P5 Series Coding

**Model**

- PP5 Double acting pneumatic
- PA5 Double acting pneumatic, ATEX

**Spool valve**

- HP High performance
- LB Normal Gain

**Air Connections**

- N NPT 1/4"
- G G 1/4"

**Surface treatment**

- U Epoxy coating
- M Tuftram

**Spindle**

- 01, 23 etc 01 to 39. See dwg SPNDLS\_P5

**Cam**

- K01 K01 to K32, K01 = linear 90°, standard

**Front cover**

- PV9DA\* 90°, Direct, arrow indicator

**Input signal**

- 3 3–15 psi
- 6 6–30 psi

**Temperature**

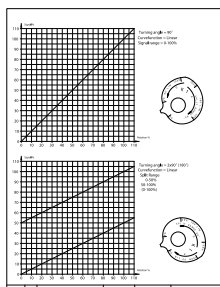
- Z Nitrite –20°C – +85°C
- Q Silicon seals, –40°C to +85°C

\*For 30, 45, 60 deg rotation, change PV9 to PV3, PV4 or PV6

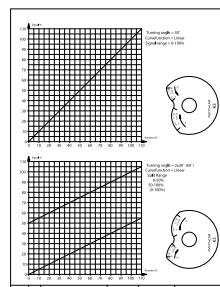
**Example**

PP5HPNU-23K01-PV9DA-3Z

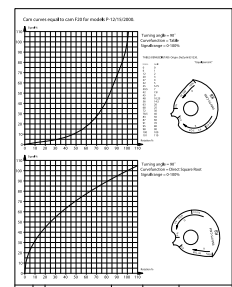
### Cams



K1

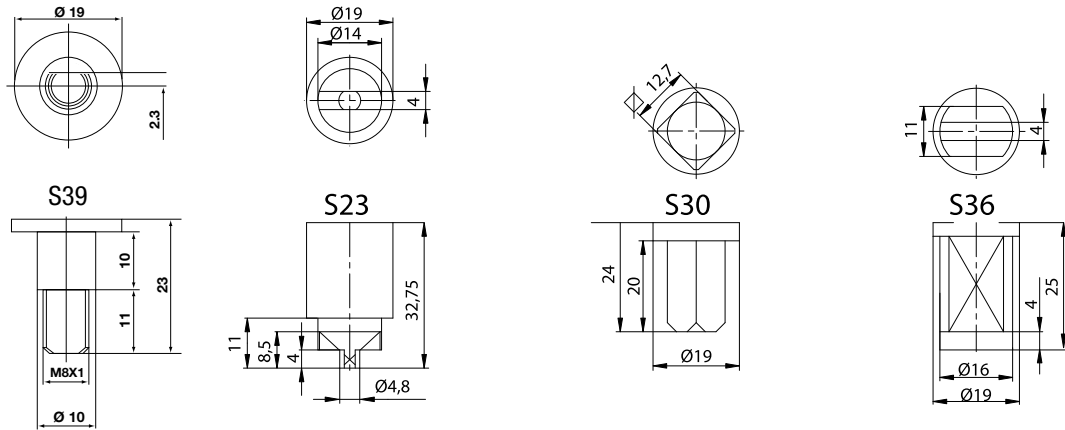


K3

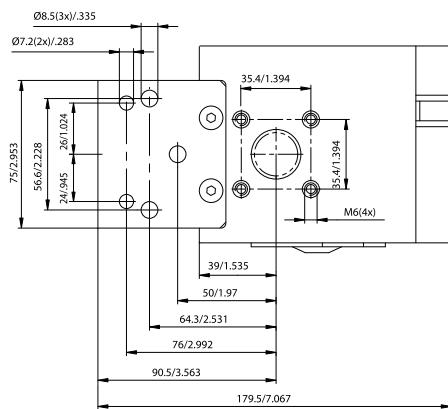


K8

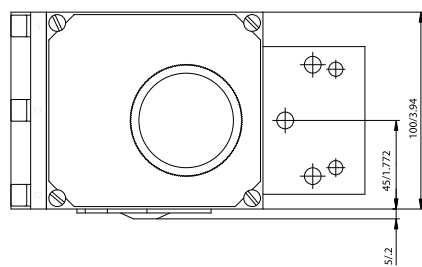
## Spindles



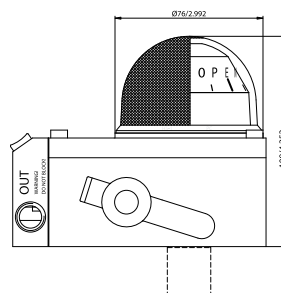
## Dimensions drawings(mm)



**P5**



**P5**



**P5 with H5**



p/n: FCD PMENBR0008-02



Hazardous Locations 

ATEX  II 1 G

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