

P-1500 Series pneumatic rotary positioner



...for both double and single acting applications

Description

The heart of the unit, its spool valve assembly, provides accurate, dependable positioning even with poor quality plant air.

The simple design provides for easy calibration with an internal span and an external zero adjustment. The unit is designed for double acting applications but can easily be used for single acting applications by plugging one port.

Features and benefits

- Rugged design for harsh industrial applications.
- Simple, easy to calibrate.
- Low air consumption.
- High air delivery capacity.
- External zero adjustment.
- Bright, visible indicator
- Mounting kits for a variety of actuators, rotary or linear.
- Split range cam standard.
- Simple change of range spring from 12 Psi to 24 Psi.
- Can reverse rotation simply and quickly.
- Variety of spindles and characterized cams.



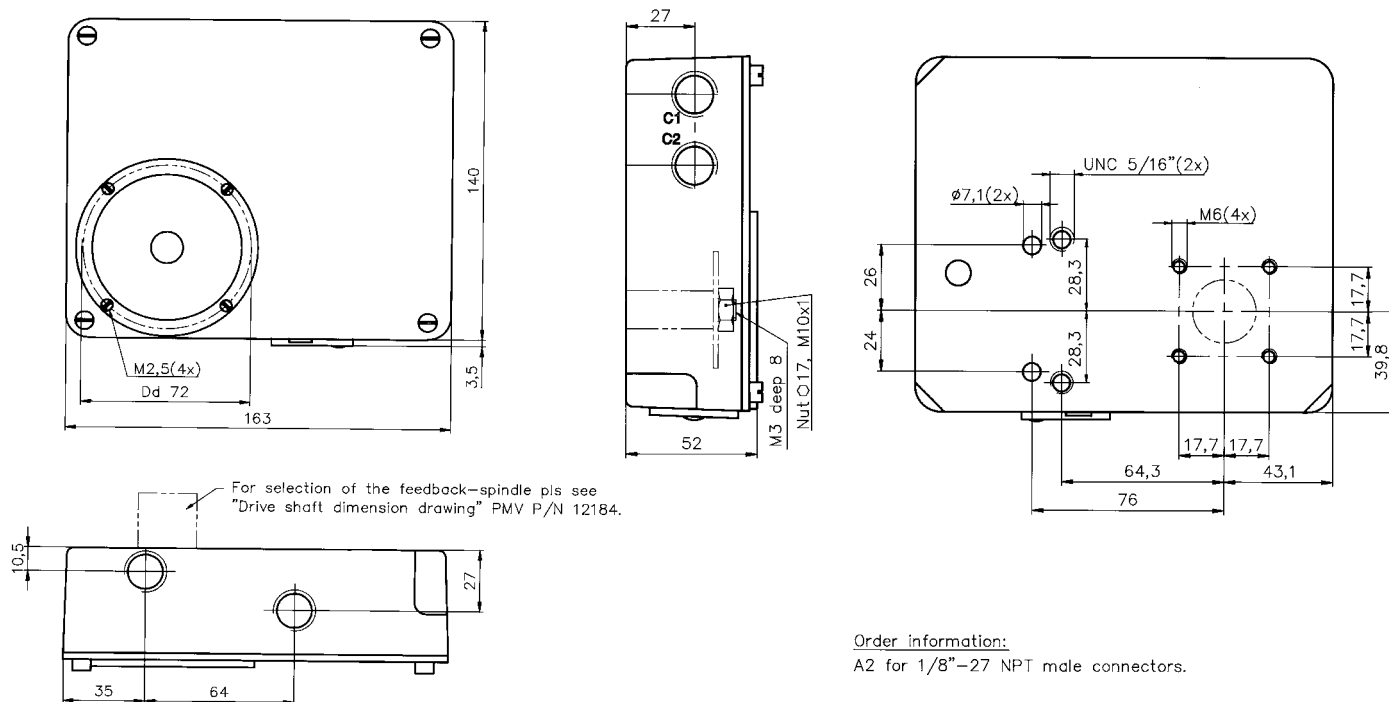
PMV pneumatic rotary positioner model P-1500.

Technical Specifications:

Air consumption at 0,6 MPa (85 Psi) supply pressure	10 nl/min (0.35 SCFM)
Air delivery at 0,6 MPa (85 Psi) supply pressure	240 nl/min (8.4 SCFM)
Gain factor at 0,6 MPa (85 Psi) supply pressure	250
Connections	1/8" NPT
Hysteresis	0.5%
Linearity	0.5%
Repeatability	0.5%
Sensitivity	0.3%
Input signal	0,2-1kPa, 3-15 Psi (6-30 Psi optional)
Supply pressure	Max 1 MPa (150 Psi)
Temperature range standard	-40°C to +90°C (-40 to +194°F)
Weight	1.9 kg (lbs. 4,2)



Dimensional Drawing



Ordering Information

1. Model	P1500 or P1520	Standard or High air delivery capacity
2. Air connections	N	NPT 1/8"
3. Surface treatment	E	Anodised
4. Spindle	01, 23 etc	C1 to C34. See dwg SPNDLSP_1500
5. Cam	F01, F20 etc	F01 to F51, F01 = linear 90 deg, standard
6. Front cover	PV9DA	90 deg, Direct, arrow indicator
7. Input signal/temperature	3Z	3-15 psi input, Nitrile seals -40 deg °C

Example: P1500NE-23F01-PV9DA-3Z
1 23 4 5 6 7

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