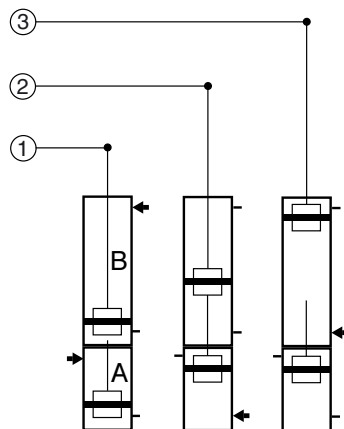


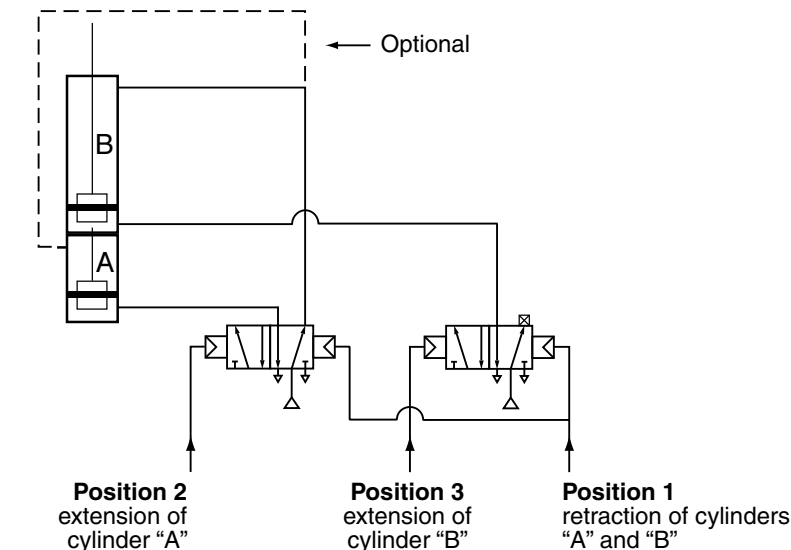
FEATURES

- The three-position cylinder is a monolithic assembly consisting of two PES valve bodies in tandem, generally with different strokes, whose piston rods are not connected together



The main applications of three-position cylinders are for pressing and raising loads with two different positions. The following recommendations are made concerning use:

- An opposing force is necessary during extension
- To reach the second position with sufficient accuracy, extension of the rod of cylinder "A" must not be too fast.
- The operating cycle is necessarily as follows: 1 → 2 → 3 then direct return to 1. See pneumatic control diagram below.



SPECIFICATIONS

To order, please specify:

■ **CYLINDER:**

- Cylinder description: PES cylinder with **profiled barrel or tie rods, 3 positions**, piston rods **not** connected together
- Cylinder **A** description: Cylinder "A", Ø, stroke, cushioned, steel or aluminium barrel for cylinder with tie rods cylinder equipped or not equipped for magnetic position detectors (1)
- Cylinder **B** description: Cylinder "B", Ø, stroke, cushioned, steel or aluminium barrel for cylinder with tie rods cylinder equipped or not equipped for magnetic position detectors (1)

(1) **The magnetic position detectors are ordered separately:**

- "T" model (see page P291), reed switch or magneto-resistive type
- In the case of use of a BIM magnetic detector on PES series 450 Ø 32, it is necessary to add the option code = **995125**

OPTIONS

- Other strokes on request
- Piston rod in 316L stainless steel, catalogue number: **995002** - in 303 stainless steel, catalogue number: **995202**
- Overlength piston rod in hard chrome steel, cat. n°: **995003** - in 316L stainless steel, cat. n°: **995004** - in 303 stainless steel, cat. n°: **995204**

MOUNTINGS: Fastener codes and quantities (see standard equipment - page P229-18)



B

GENERAL Detection

Fluid

Operate pressure

Ambiant temperature

Cushioning

Standards

Equipped for magnetic position detectors

Air or neutral gas, filtered, lubricated or not

10 bar max.

-20°C to +70°C

Pneumatic, adjustable at bot ends by captive screws

ISO 15552

AFNOR NF ISO 15552

DIN ISO 15552

Maximum stroke

Ø (mm)	stroke A + B	
	cylinder profiled	cylinder with tie rods
32	320	320
40	500	500
50-63	600	600
80-100	800	800
125-200	-	1000

Control: see below

- Determination of stroke of cylinder "A": Distance between Positions 1 and 2 (in mm)
- Determination of stroke of cylinder "B": Distance between Positions 1 and 3 (in mm)

