

# Hydropneumatic cylinder HPZL



## Description

The HPZL cylinder series has a compact and rugged design and is suitable for a wide range of applications. Combined with the air-oil actuator type HPW and flow

valve type HPV, it guarantees very precise and constant feed.

## Technical data/Dimension drawing

### Operating pressure:

max. 10 bar

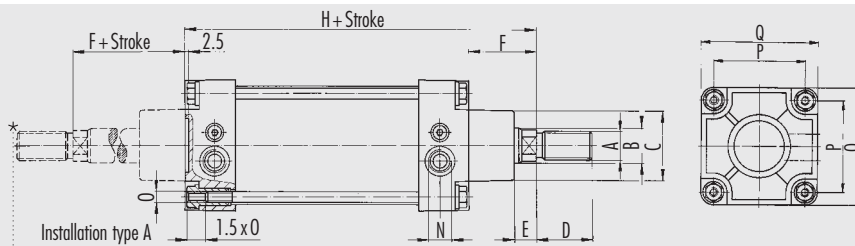
### Operating temperature range:

15 °C to 80 °C

(Other temperature ranges upon request).

Piston rod chrome-plated

(available in stainless material 1.4305)



## Dimensions

Cylinder Ø	A	ØB <sup>f7</sup>	ØC <sup>f7</sup>	D	E	F	H	N	O	P	Q	ØR <sup>H8</sup>
40	M12x1.25	16	30	24	12.5	34	131	G 1/4	M 6	40	55	22
50	M16x1.5	20	38	32	14.5	39	141	G 1/4	M 6	46	62	30
63	M16x1.5	20	38	32	15.5	42	153	G 3/8	M 8	59	79	30
80	M20x1.5	25	46	40	16	49	171	G 3/8	M 8	73	93	40
100	M20x1.5	32	55	40	15	54.5	185.5	G 1/2	M10	90	115	45
125	M27x2*	32	68	54	21.5	66.5	223.5	G 1/2	M12	110	142	60
160	M36x2	40	82	72	29	84.5	255.5	G 3/4	M14	140	180	70
200	M36x2	50	82	72	37	96.5	273.5	G 3/4	M16	175	220	70
250	on request											

\*also available as M24x2

## Type key

Ordering example:

HPZL - FV 125/500 - D - PH - R

- 1 Hydropneumatic cylinder
- 2 Installation type: A, FH, FV, SHS
- 3 Piston diam. (mm): 40, 50, 63, 80, 100, 125, 160, 200
- 4 Stroke (mm) to 3000 mm\*
- 5 Operation: D, S, Z
- 6 Damping: N, P, PV, PH
- 7 Special options: T, R

\*Stroke tolerances up to 1000 mm ± 1 mm to 3000 mm ± 2 mm

For accessories refer to pages 25/26 · Piston rod mount (A)

· Assembly accessories FH, FV, SHS (D)

Hydropneumatic cylinder type HPZL with flange mounting (FV), the piston diameter is 125 mm, the stroke is 500 mm, with double-acting hydraulic action (D), rear damping (PH) with the special optional stainless piston rod (R).

- 2 Installation type
  - A = basic design
  - FH = rear flange
  - FV = front flange
  - SHS = spherical rear rotation
- 5 Operation
  - D = double-acting hydraulic
  - S = cover-side hydraulic
  - Z = rod-side hydraulic
- 6 Damping
  - N = without damping
  - P = on both sides
  - PV = front
  - PH = rear
- 7 Special options
  - T = solid piston rod
  - R = stainless piston rod

Special versions are also possible, please contact us for further information.