

Piston type accumulator type HPS

Reliable and powerful hydraulic accumulators belong to a up-to-date hydraulic system in many mobile and stationary applications. They are in great demand especially if you want to save energy, damp pulsation, compensate leakage or deliver high volume flow in a short time in the hydraulic system. There is no faster or easier solution to do so than with a piston accumulator. The floating piston separates the compressible gas section and the fluid section, e.g. the hydraulic oil. High quality and tested sealings guarantee a reliable separation of gas and oil even under harsh conditions.

Features and benefits:

- Compact
- As part of the modular system of HAWE

Features and benefits:

- Accumulator charged systems
- Construction machines
- Wind power plants



Basic type: HPS

Nomenclature: Piston accumulator

Operation pressure: 415 bar

Capacity: 0,1 - 80 dm³

Internal piston diameter: 80 - 250 mm

Design and order coding example

HPS 11 - 250 - 160 - 0050

Nom. volume V_0 [dm³]

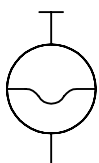
Int. diameter [mm]

max. operating pressure [bar] Pressure ratings 250 bar, 350 bar, 415 bar

Basic type Piston type hydraulic accumulator type HPS

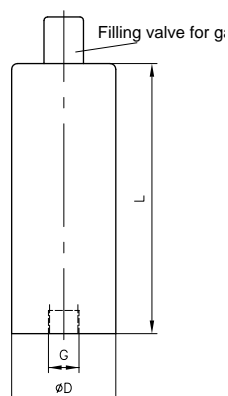
Function

HPS



General parameters and dimensions

HPS



| | Nom. volume V_0 [dm ³] | p_{max} [bar] | Ports (BSPP) | Dimensions [mm] | |
|--------------------|---|--------------------|-----------------|--------------------|--------------|
| | | | | D | L |
| HPS 11 - 250 - 080 | 0.4 ... 4.0 | 250 | G 3/4 | 90 | 233 ... 949 |
| HPS 11 - 250 - 100 | 2.0 ... 10.0 | | G 1 | 110 | 439 ... 1458 |
| HPS 11 - 250 - 160 | 5.0 ... 30.0 | | G 1 1/2 | 180 | 436 ... 1680 |
| HPS 11 - 250 - 200 | 8.0 ... 50.0 | | G 2 | 229 | 233 ... 1840 |
| HPS 11 - 250 - 250 | 10.0 ... 80.0 | | G 2 | 275 | 465 ... 1886 |
| HPS 11 - 350 - 080 | 0.4 ... 4.0 | 350 | G 3/4 | 95 | 254 ... 970 |
| HPS 11 - 350 - 100 | 2.0 ... 10.0 | | G 1 | 115 | 457 ... 1475 |
| HPS 11 - 350 - 160 | 5.0 ... 30.0 | | G 1 1/2 | 185 | 458 ... 1702 |
| HPS 11 - 350 - 200 | 8.0 ... 50.0 | | G 2 | 225 | 513 ... 1849 |
| HPS 11 - 350 - 250 | 10.0 ... 80.0 | | G 2 | 280 | 491 ... 1917 |
| HPS 11 - 415 - 080 | 0.4 ... 4.0 | 415 | G 3/4 | 95 | 254 ... 970 |
| HPS 11 - 415 - 100 | 2.0 ... 10.0 | | G 1 | 115 | 469 ... 1488 |
| HPS 11 - 415 - 160 | 5.0 ... 30.0 | | G 1 1/2 | 185 | 458 ... 1702 |
| HPS 11 - 415 - 200 | 8.0 ... 50.0 | | G 2 | 230 | 522 ... 1859 |
| HPS 11 - 415 - 250 | 10.0 ... 80.0 | | G 2 | 290 | 491 ... 1917 |

- The data listed represent only a selection of the various differing versions

Associated technical data sheets:

- Piston type accumulator type HPS: **D 7969 HPS**

Similar products:

- Diaphragm accumulator type AC: **page**