

HPS
Hand pumps for single-acting cylinders

Hand pumps are easy to use and operate independently of any external energy source. They are designed for a maximum 700 bar system pressure and will allow each hydraulic cylinder to utilize its maximum capacity.

The two-stage system reduces pumping time.
Stage 1 allows rapid piston travel under no load or light load conditions. The pump automatically switches to stage 2 when the piston is loaded and a higher force is required from top. The hand pump is an all-steel construction designed for rough use and has a high-efficiency pumping action. The handle can be locked for easy carrying.

The large and easy-to-control return valve allows the operator to precisely control the return stroke. Other standard features include a large and easy-to-control hand wheel, air bleeding and oil filling plug, large support feet for stability, tilted tank to increase usable oil volume and ergonomic handle grip.

Features

- Operating pressure max. 700 bar.
- Two-stage operation with automatic switch-over (except HPS-1/0,7 A).
- Large reservoir volumes.
- With pressure relief valves, adjustable from the outside.
- Precision-adjustable relief valve (handwheel).
- Robust all-steel construction.
- HPH-pumps are equipped with a 4-way control valve plus a precision-adjustable relief valve.
- Oil port thread 3/8 NPT.
- Incl. oil filling.

Optional

- Pressure gauges with corresponding adaptors are also available as accessories.

INFO

Hydraulic hoses are the connection between hand pump and hydraulic cylinders and need to be selected separately. Please see page 413.

Technical data HPS

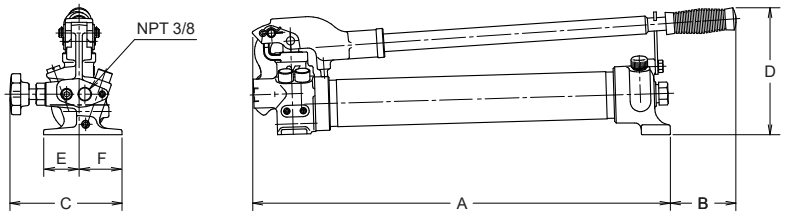
Model	Art.-No.	Displacement	Reservoir volume cm³	Displacement 1st stage cm³	Displacement 2nd stage cm³	Weight kg
HPS-1/0,7 A	N12101011	single-stage	700	–	2	7.0
HPS-2/0,3 A	N12101127	two-stage	300	5	1	3.5
HPS-2/0,7 A	N12101012	two-stage	700	11	2	7.0
HPS-2/1,3 A	192085595	two-stage	1300	11	2	9.0
HPS-2/2 A	N12101013	two-stage	2000	11	2	10.0
HPS-2/4 A	N12101014	two-stage	4000	11	2	13.0
HPS-2/6 A	N12101015	two-stage	6000	11	2	21.0
HPS-2/10 A	N12101016	two-stage	10000	11	2	27.0

Dimensions HPS

Model	HPS-1/0,7 A	HPS-2/0,3 A	HPS-2/0,7 A	HPS-2/1,3 A	HPS-2/2 A	HPS-2/4 A	HPS-2/6 A	HPS-2/10 A
A, mm	505	410	505	630	520	645	645	800
B, mm	85	100	85	80	70	65	65	65
C, mm	135	105	135	135	145	160	215	250
D, mm	150	125	150	150	150	150	180	190
E, mm	43	35	43	43	43	43	43	43
F, mm	52	35	52	52	52	52	52	52

Dimensions approx.

HPS-1/0,7 A,
HPS-2/0,3 A
up to
HPS-2/1,3 A



HPS-2/2 A
up to
HPS-2/10 A

