

BENCOR (Pty) Ltd.

Pumps



Hand pumps type H

The hand pumps type H are available in single acting and double acting versions. The single acting design pumps in one lever direction only, the reverse motion performs the suction stroke.

The double acting design pumps and intakes simultaneously in both lever directions. In one particular design, the suction side may be charged with up to 150 bar.

The lever mechanism may be protected from harsh environments if desired, and may incorporate a drain valve (connecting P → S), a pressure limiting valve or a tank. These additional options enable the use of this pump in a wide array of application.

Nomenclature:	Piston pump
Design:	Single acting hand pump Double acting hand pump
P_{max}:	80 ... 600 bar
V_{max}:	4 ... 78 cm ³ /stroke



Basic types and general parameters

Basic type and size	Pressure p _{max} (bar)	Geom. volume per stroke V _{H max} cm ³ /stroke	Tapped ports		Symbol
			P	S	
H 16	350	6			Design with pressure limiting valve and drain valve
H 20	220	9,4	G 1/4	G 1/4	
H 25	150	14,7			
HE 4	600	4			
HD 13	350	13	G 1/4	G 1/4	
HD 20	220	20			
HD 30	150	30			
DH 40	150	51			
DH 45	140	64	G 3/8	G 3/8	
DH 50	80	78			

Additional versions

- Hand pumps with pressure limiting valve and/or drain valve
- Hand pumps with tank (V_{max} = 0,5 l)