

This port can easily be used to connect a pressure gauge and a pressure relief valve (e.g. VPR-1). The oil port T shall always be connected to the reservoir without any back pressure.

VHP and VHH Directional valves

Manually operated, 700 bar

These directional valves control the oil flow in combination with hydraulic power packs (YHH-4/3 with hand pumps).

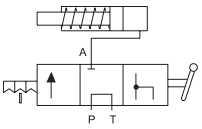
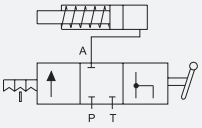
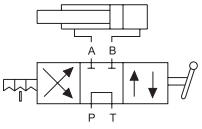
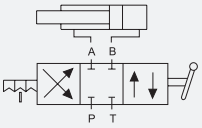
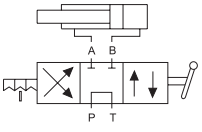
All valves have 3 lever positions to control movement of the connected hydraulic cylinder:

1. Left: cylinder advance.
2. Middle: cylinder neutral (pressureless circuit).
3. Right: cylinder retracts.

In the middle position (hold) the piston of the cylinder stops and the oil flow is guided in a circuit back to the reservoir (P to T). The valves can be flanged directly onto power packs but can also be connected by using hydraulic piping.

In addition, all valves are equipped with a second pressure oil port P at the back of the valve base.

Technical data VHP and VHH

Model	Art.-No.	Pressure max. l/min	Size	Oil ports	Hydraulic symbol	Applications
VHP-3/3-1	N14100718	8 - 16	1	3/8 NPT		3/3-way valve with “open centre” in middle position (pressureless circuit) to control single-acting hydraulic cylinders
VHP-3/3-2	N14100720	20 - 40	2	3/8 NPT		
VHP-3/3-1 CC	N14100719	8 - 16	1	3/8 NPT		3/3-way valve with “closed centre” in middle position to control single-acting hydraulic cylinders!
VHP-3/3-2 CC	N14100721	20 - 40	2	3/8 NPT		
VHP-4/3-1	N14100227	8 - 16	1	3/8 NPT		4/3-way valve with “open centre” in middle position (pressureless circuit) to control double-acting hydraulic cylinders
VHP-4/3-2	N14100228	20 - 40	2	3/8 NPT		
VHP-4/3-1 CC	N14100322	8 - 16	1	3/8 NPT		4/3-way valve with “closed centre” in middle position to control double-acting hydraulic cylinders!
VHP-4/3-2 CC	N14100335	20 - 40	2	3/8 NPT		
VHH-4/3	N14100226	2 - 3	small special design	1/4 NPT		4/3-way valve with “open centre” in middle position (pressureless circuit) to control double-acting hydraulic cylinders. Special design to be mounted directly to all HPS hand pumps (with connecting set FY-703). Also suitable for small hydraulic power packs