Technology overview:

- 4 sizes and over 1000 variants
- Flow rate range of 4 .. 350 lpm
- Operation pressure (p_{max}) 350 bar
- Pilot ratios of 2:1 to 24:1 possible
- Available as a screw-in cartridge or housing version

Additional HAWE components for your system: pumps, directional valves and electronic controls



"Now HAWE Hydraulik is finally on the market with an interesting range of cartridge valves for load holding functions. "

"The perfect addition to the hydraulic system, rugged and weather-resistant. "

You can find your sales contact here:

www.hawe.com/kontakt

Leak free

Large range

Stability

Energy efficiency

P_LHV Flyer EN - 11/2017

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HAWE HYDRAULIK

Solutions for a World under Pressure

HAWE HYDRAULIK

The new load-holding valve range for greater efficiency and stability in mobile hydraulics

The correct choice is crucial.

The choice of load-holding valve for the crane boom, the aerial working platform or the plough control affect the stability of the vehicle and therefore the safety of the operator. Furthermore the effect of this small element on the energy efficiency of the entire hydraulic system is often underestimated. The extensive HAWE Hydraulik product range therefore contain load-holding valves in 4 sizes, with finely adjustable maximum flow rates of 4 to 450 lpm. This allows you to implement your specific requirements for stability and precision control with over 1000 provided variants. Experienced HAWE experts are, of course, happy to assist you with your choice.

Convincing technology.

In the case of high flow rates, a low delta p ensures high energy efficiency. In the case of low flow rates, controllability is ensured by valves with a very good precision control range. For applications with small cylinder movements, there are extra pistons with nominal flow of 4 or 15 lpm on offer. Depending on whether the energy efficiency or stability in particular is of more importance in the application, pilot ratios of 2:1 to 24:1 are possible. Various options for oscillation damping also increase the stability during operation and provide the operator with a greater level of safety.

Key data:

Flow rate for type LHV-C with screw-in hole T11A:

Coding	in lpm
A	75
B	60
C	30
D	12
E	4

Flow rate for type LHV-PIB as housing version:

Coding	in lpm
LHV2	40
LHV3	90
LHV5	150
LHV7	350

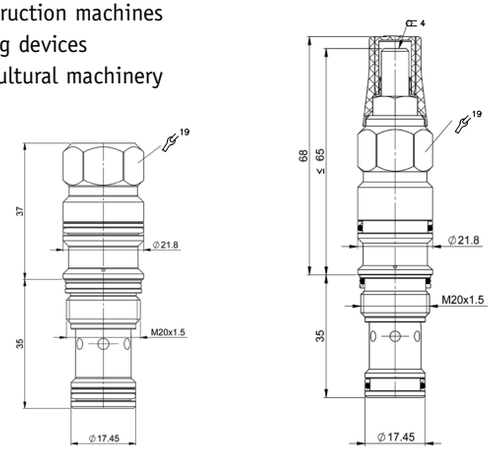
Everything considered!

The type LHV load-holding valve is suitable for applications with low and medium tendencies to oscillate and is used especially in combination with proportional directional spool valves, e.g. type PSL. It is also available with return pressure compensation and spring chamber relief.

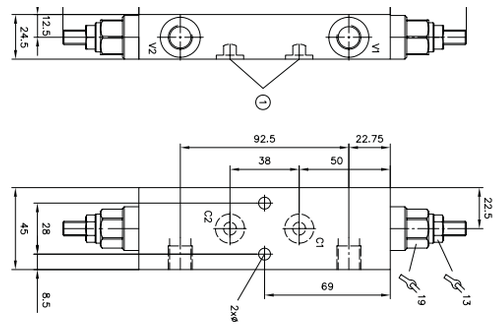
The screw-in valves are available for mounting holes with T11A, T2A or UNF. A fixed or adjustable version is available for each. The housing versions are designed for all standard threaded connections with G 3/8, G 1/2 and G 3/4.

Ideal for:

- Cranes
- Construction machines
- Lifting devices
- Agricultural machinery



Unit dimension examples for load-holding valve type LHV-C 3 T11A



Unit dimension example for load-holding valve type LHV-PIB 21 P-21