

WS700

BIERI's new cartridge valve for 700 bar



Directional poppet valve NG6, 700 bar

Description

The **new BIERI directional poppet valve WS700** from the NG6 series is the first available direct operated and seat tight cartridge valve on the market for pressures up to 700 bar. The bidirectional flow allows that all ports can be loaded with maximum pressure. This slim cartridge valve offers plenty of scope when it comes to designing compact and light-weighted control blocks and high pressure power units.

Technical data

▪ p	700 bar
▪ Size	NG 6
▪ Q	25 L/min
▪ U	12, 24 VDC, 110, 230 VAC

Features → Advantages

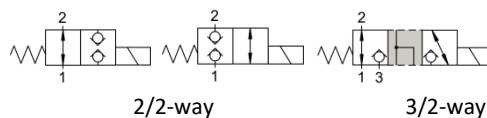
- cartridge valve NG6, 700 bar, 25 l/min
→ 2/2 and 3/2 way functions, seat tight and flow in both directions
- pressure compensated hardened and grinded cone-design, high magnetic force and strong return spring:
→ safe and fast switching
→ bidirectional flow in open shift position with optimised Δp
→ seat tight in closed position
→ high numbers of cycles and long lifetime
- 360° turnable and exchangeable plug-in coil:
→ arbitrary position of solenoid coil
→ replacement of coils without opening the pressurized valve
- zinc-nickel coated coil:
→ good corrosion resistance

Applications

- portable power units
- hydraulic tools
- hydraulic torque wrenches
- rescue tools
- small presses
- lifting and transport systems
- constructin & recycling
- etc.

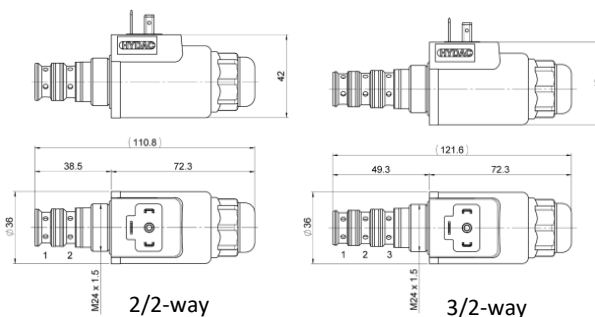


▪ hydraulic symbol:



from components

▪ Valve dimensions:



to sub – systems

- example of application:
WS700 installed in a control system of cylinders with two poppet valves to realize a 4/3-way function:

