

Hydrau**vision**



HydrauTool Directional Valves

Technical Specification

Max. working pressure	: 350/420 bar (Depending on exact type)
Range input flow	: 0 - 800 l/min. (Depending on exact type)
Operational temperature	: - 20 to + 50 °C
Hydraulic fluid	: HVLP according to DIN 51502, DIN 51524-3 and ISO 6743-4 (or other on request)
Fluid viscosity range	: 12 to 75 mm ² /s (cSt)
Viscosity (min. start-up)	: 4 mm ² /s (cSt)
Viscosity (max. intermittent)	: 460 mm ² /s (cSt)
Hydr. fluid temperature range	: - 20 to + 60 °C
Recomm. oil cleanliness level	: 18/16/13 or better according to ISO 4406

Overall length	: Depending on exact type
Overall width	: Depending on exact type
Overall height	: Depending on exact type
Total weight excl. fluids	: Depending on exact type

Fluid connections:

Pressure P	: Depending on exact type
Return T	: Depending on exact type
Section output A	: Depending on exact type
Section output B	: Depending on exact type
Drain D	: Depending on exact type
Load Sense LS	: Depending on exact type

Power supply : 230VAC-50Hz (in case of remote control operation)

Detailed specifications : on request

Benefits

- Proportional flow control for any open loop hydraulic system actuator
- Max. flow and pressure per section adjustable
- Depending on type, multi sectional valves available
- Optional remote control box for operating the directional valve on a easy and safe distance

Scope of Supply

Included:

- Hose set between HydrauPack and directional valve

Excluded:

- Power supply cable
- Remote control
- Transport

Above mentioned items can be included on request.

The HydrauTool Directional Valve is a proportional directional control valve to operate an open loop hydraulic system actuator (cylinder or hydraulic motor). The directional valve is connected to a HydrauPack or hydraulic power supply.

The directional valve can be delivered in several types, being a single section or multiple section valve. Also different flow ranges defines the certain type being a Danfoss PVG, Amca APV, MOV or other type of valve.

All the valves can me operated manually by a lever. If required an optional wired remote control can be delivered. Wireless operation on request.

Every independent section can be set to an individual max. flow and pressure to the different hydraulic actuators. A main pressure relief valve protects the max. pressure from the HPU. Mainly constant pressure control is used, but load sense (LS) can be also possible depending on the system requirements.

The directional valve is built onto a pedestal or into a stainless steel valve box depending on the exact type.

