WANDFLUH
Hydraulics + Electronics

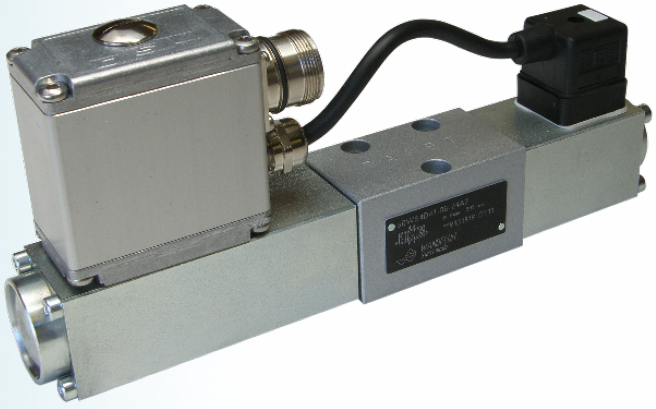
DSV DIGITAL SMART VALVE

# Proportional directional control valve with integrated spool position control NG4-Mini

Direct controlled proportional directional control valve with integrated amplifier electronics and spool position control in flange construction NG4-Mini. The valve possesses an integrated position control. With the spool position sensor (LVDT), the actual position of the valve spool is continuously recorded and brought into line with the set-point value transmitted in an analogue manner. Apart from an analogue interface the valve is also available with a fieldbus interface (CANopen or Profibus DP). The parameterisation takes place through a USB- interface by means of a menu-controlled parameterisation- and diagnostics software. The data are stored in a non-volatile memory. Settings once elaborated can be reproduced and transferred without any problem, also following an electric power failure.

## Typ: BRW.4

- Flange construction NG4-Mini
- Operating pressure pmax = 315 bar
- Maximum volume flow Qmax = 20 l/min
- Volume flow levels: QN = 4/8 l/min
- Nominal voltage 24 VDC
- With integrated spool position sensor (LVDT)
- With integrated amplifier electronics (DSV)
- Protection class IP 67



### Advantages of the spool position control (LVDT)

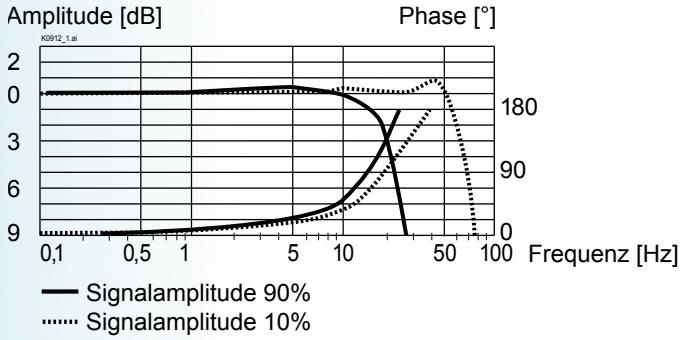
- Minimal hysteresis
- Improved dynamic characteristics

### Advantages of the integrated amplifier electronics (DSV)

- Intelligent
- Compact
- Plug & Play

## Applications

- ✓ Both in industrial - as well as in mobile hydraulics
- ✓ Where a high resolution, minimal hysteresis and very good dynamic characteristics are of concern
- ✓ Adjustment of the rotor blades of wind power generators
- ✓ Machine tool - and paper production machines
- ✓ In case of position control systems
- ✓ Forestry - and earth moving machines
- ✓ Robotics




## Further Information

You will find further technical information on the corresponding data sheet 1.10-70 or on our website. We will be happy to advise you in the selection of the suitable components for your application.

Do not hesitate to contact us.