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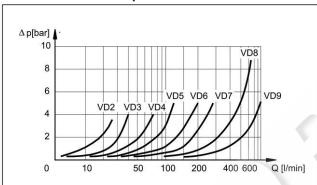


VD*-W* CHECK VALVES SERIES 30

p max 400 bar

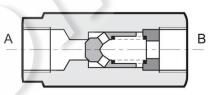
Q max (see table of performances)

PRESSURE DROPS Ap-Q



- Add the cracking pressure to the values shown in the diagram.
- Curves measured using mineral oil with viscosity of 36 cSt at 50°C.

OPERATING PRINCIPLE



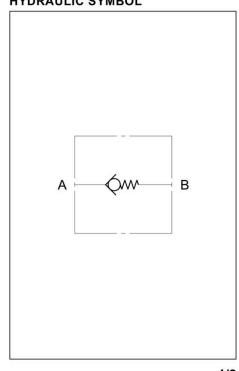
- VD*-W* valves are check valves with threaded "BSP" ports for mounting in-line on hydraulic lines.
- They allow the flow to pass freely in one direction, blocking it in the opposite direction.
- In rest conditions, the valve poppet is kept closed by a spring. The poppet opens when the pressure in the intake line "A" exceeds the set value of the spring, added to any pressure in the outlet line "B".
- Available in eight sizes for flow rates of up to 850 l/min and with five different cracking pressures.

PERFORMANCES

| Valve | BSP port dimension | Maximum flow rate [l/min] | Mass [kg] | Max operating pressure [bar] |
|--------|--------------------|---------------------------------|--------------|------------------------------|
| VD2-W* | 1/4" | 25 | 0,17 | 400 |
| VD3-W* | 3/8" | 40 | 0,26 | |
| VD4-W* | 1/2" | 75 | 0,41 | |
| VD5-W* | 3/4" | 125 | 0,6 | |
| VD6-W* | 1" | 200 | 1,2 | - 320 |
| VD7-W* | 1 1/4" | 280 | 1,8 | |
| VD8-W* | 1 ½" | 650 | 3,2 | |
| VD9-W* | 2" | 850 | 4,8 | |

| Ambient temperature range | °C | -20 / +50 | |
|----------------------------|--------------------------------------|-----------|--|
| Fluid temperature range | °C | -20 / +80 | |
| Fluid viscosity range | cSt | 10 ÷ 400 | |
| Fluid contamination degree | cSt | 25 | |
| Recommended viscosity | acc. to ISO 4406:1999 class 20/18/15 | | |

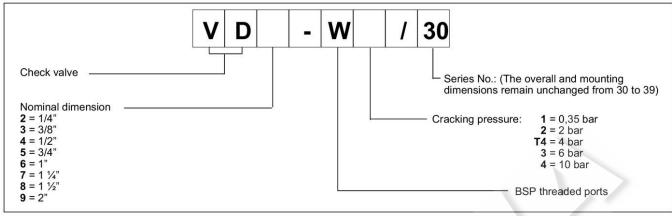
HYDRAULIC SYMBOL



45 200/110 ED 1/2



1 - IDENTIFICATION CODE



2 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids HL or HM type, according to ISO 6743-4.

Using fluids at temperatures higher than 80 °C causes a faster degradation of the fluid and of the seals characteristics.

The fluid must be preserved in its physical and chemical characteristics.

3 - OVERALL AND MOUNTING DIMENSIONS

