



**DIPLOMATIC
HYDRAULICS**

45 200/198 ED

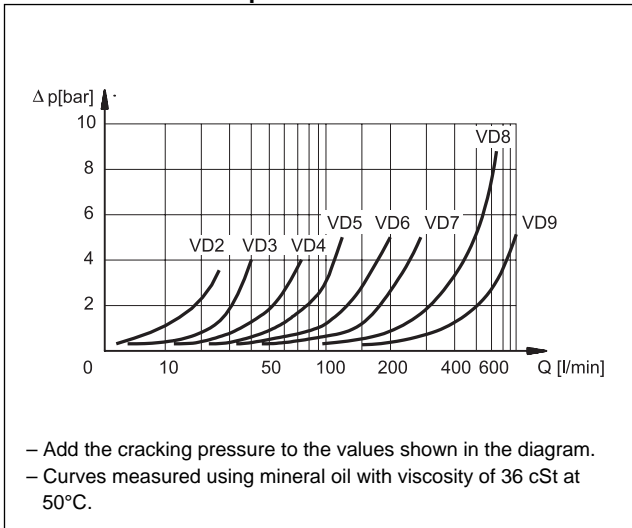


VD*-W* CHECK VALVES SERIES 30

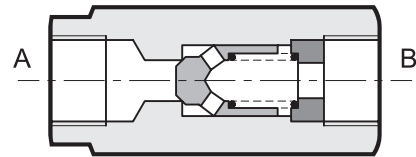
p max 400 bar

Q max (see technical specifications table)

PRESSURE DROP Δp -Q



OPERATING PRINCIPLE



- VD 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.

TECHNICAL SPECIFICATIONS

| Valve code | 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 | |
| VD7-W* | 1" 1/4 | 280 | 1,8 | |
| VD8-W* | 1" 1/2 | 650 | 3,2 | |
| VD9-W* | 2" | 850 | 4,8 | |

| | | |
|---------------------------|-------------|-----------|
| Ambient temperature range | °C | -20 ÷ +50 |
| Fluid temperature range | °C | -20 ÷ +70 |
| Fluid viscosity range | cSt | 2,8 ÷ 380 |
| Recommended filtration | µm absolute | ≤ 25 |
| Recommended viscosity | cSt | 25 |

HYDRAULIC SYMBOL

