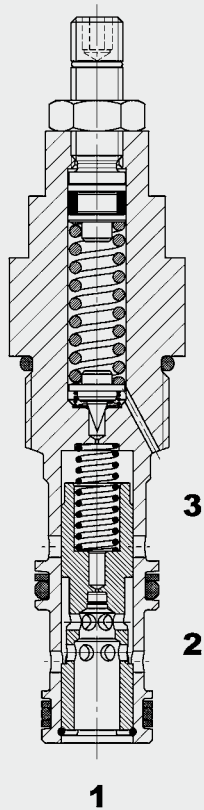


Up to 150 l/min
Up to 350 bar

FUNCTION



The pressure reducing valve DRM10130P is a pilot-operated, 3-way spool-type valve.

If the pressure across port 1 exceeds the pre-set value, the pilot-stage opens and oil flows from behind the main spool to the tank port 3. The resulting pressure differential causes the main spool to move against the reset-spring and allows oil to flow from port 2 to port 1. This continues until the system pressure is equal to the spring tension and the valve closes again.

If the pressure at port 1 suddenly rises due to external force the valve is relieved to tank port 3 (maximum pressure relief).

Any pressure at port 3 is additive to the pressure setting.

GENERAL

- Excellent stability throughout the entire flow range
- External surfaces zinc-plated and corrosion-proof
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- Low pressure drop due to CFD optimized flow path
- Adjustable throughout flow range
- Screen protected metering orifice enhances safety
- Optional spring ranges up to 350 bar

SPECIFICATIONS

| | |
|------------------------------------|---|
| Operating pressure: | max. 350 bar |
| Nominal flow: | max. 150 l/min |
| Operating pressure ranges: | 4 to 35 bar 4 to 60 bar 4 to 125 bar 4 to 230 bar 4 to 350 bar |
| Pilot flow: | < 500 cm ³ /min at 350 bar |
| Media operating temperature range: | min. -30 °C to max. +100 °C |
| Ambient temperature range: | min. -30 °C to max. +100 °C |
| Operating fluid: | Hydraulic oil to DIN 51524 Part 1 and 2 |
| Viscosity range: | min. 10 mm ² /s to max. 420 mm ² /s |
| Filtration: | Class 21/19/16 according to ISO 4406 or cleaner |
| MTTF _d : | 150 years (see "Conditions and instructions for valves" in brochure 5.300) |
| Installation: | No orientation restrictions |
| Materials: | Valve body: free-cutting steel Spool: hardened and ground steel Seals: NBR (standard) FKM (optional, media temperature range -20 °C to +120 °C) Coil: steel / polyamide |
| Cavity: | 10130 |
| Weight: | 0.25 kg |

