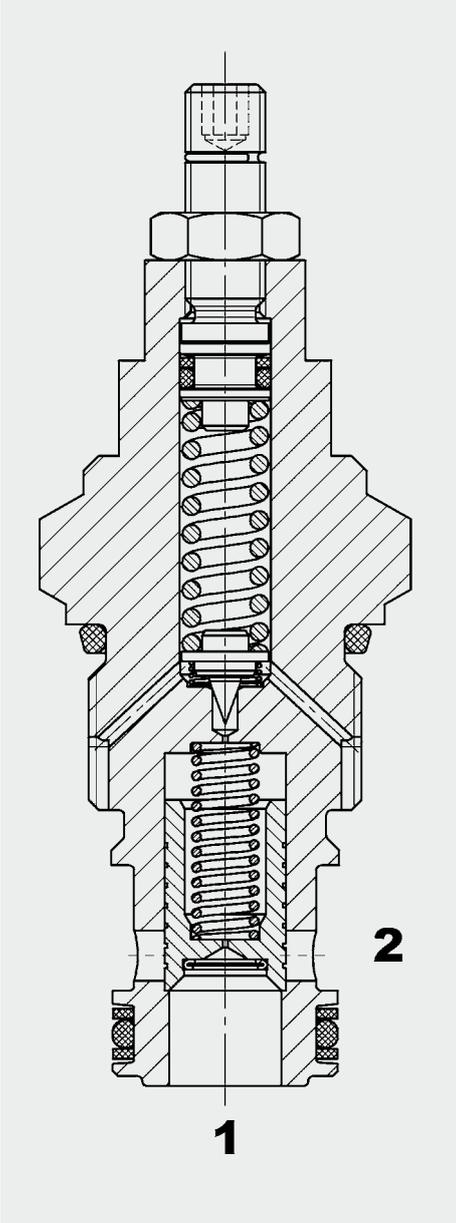


## FUNCTION



The DB12P is a pilot-operated pressure relief valve. If pressure at port 1 exceeds the pressure setting the pilot poppet opens, creating a small flow across the orifice in the main spool. The pressure drop over the orifice lifts the main spool against a light spring, opening a connection from port 1 to port 2.

## Pressure Relief Valve SAE 12-Cartridge - 350 bar DB12P-01 Spool Type - Pilot Operated

### FEATURES

- All surfaces zinc-plated and corrosion proof
- All valve parts made of high-strength steel with hardened and ground components to ensure minimal wear and to extend service life
- Rigid design using one-piece body minimizes the effect of eccentricity and maximizes reliability
- Excellent stability throughout flow range
- Low pressure drop by CFD optimized flow-path
- Screen protected measuring orifice enhances safety
- Optional spring ranges up to 345 bar
- Adjustable across entire pressure range
- Quick response
- Compact design

### SPECIFICATIONS

Operating pressure:	350 bar
Nominal flow:	200 l/min
Operating pressure ranges:	up to 35 bar up to 60 bar up to 125 bar up to 230 bar up to 345 bar
Internal leakage:	less than 0.5 l/min at 350 bar
Media operating temperature range:	-20 °C to +120 °C
Ambient temperature range:	-20 °C to +80 °C
Fluids:	Mineral-based or synthetics with lubricating properties
Viscosity:	7.4 to 420 cSt
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Installation:	No orientation restrictions
Material:	Valve body: carbon steel Spool: carbon steel Seals: NBR (standard) FKM (optional)
Cavity:	FC12-2
Weight:	265 g

