

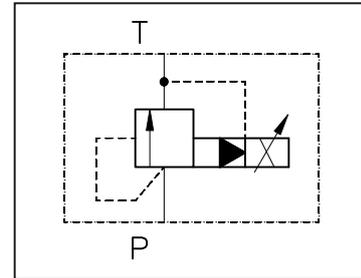
GENERAL DESCRIPTION

List: RVP10-1-Oct 2016

The RVP10... valve is designed to limit the pressure in a hydraulic system in proportion to the applied electrical input. The valve is normally open, cartridge type and increases the system pressure by increasing control input signal.



Symbol



- ✓ Removable coils for quick replacement and rotation in any direction without leakage from the system
- ✓ Standard industrial common cavity CC10-2 - see "Cavities and bodies" brochure
- ✓ External electronics

ORDERING CODE

RVP 10 - ... - F

Proportional pressure relief valve

Nominal size

Max. regulating pressure:
 up to 350bar - **350**
 up to 205bar - **205**

Modification

Climatic realization:

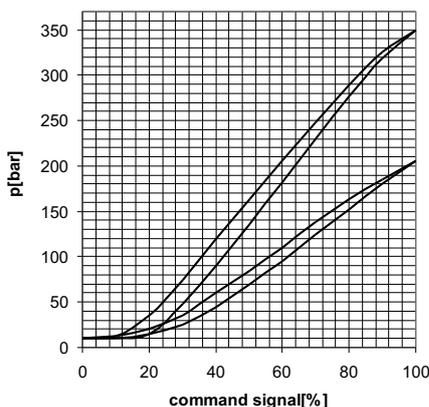
N - normal
T - tropical

Connector:

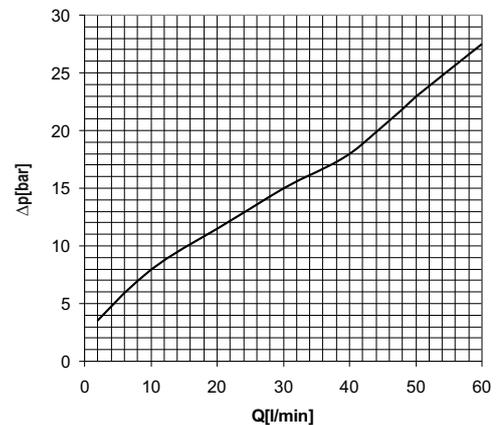
C1 - without connector
C2 - with connector by DIN24650
C3 - with connector by DIN24650 with light indicator

CHARACTERISTICS

Measured at: PWM 150Hz, $I_{max} = 1,6A$, $I_{min} = 0A$, $Q_{in} = 10l/min$, $t = 45^{\circ}C$



Measured at: $t = 45^{\circ}C$, without command signal



TECHNICAL DATA
GENERAL

| DATA | UNIT | VALUE/RANGE |
|---------------------------|------|-----------------------|
| Installation position | | preferably horizontal |
| Ambient temperature range | °C | -20...+50 |
| Weight | kg | 0,700 |
| Hysteresis | % | <8 |
| Repeatability | % | ±1,5 |

HYDRAULIC

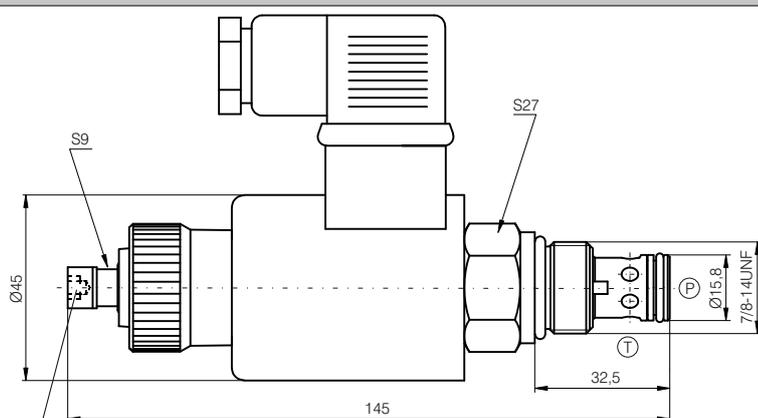
| | | |
|---|-----------------------------------|----------------------------------|
| Max. operating pressure | MPa | 35 |
| Max. inlet flow | l/min | 60 |
| Hydraulic fluid-mineral oil: -viscosity -filtration degree to acc. ISO 4406 -temperature | mm ² /s class °C | 10...400 18/16/13 -20...80 |

ELECTRICAL

| | | |
|---------------------------|--------------|--------|
| Cyclic duration | % | 100 |
| Waterproof | | IP65 |
| Heat insulation | | H |
| Coil resistance | cold warm | Ω 3 |
| Recommended PWM frequency | Hz | 150 |
| Max. coil current | A | 2,5 |

AMPLIFIER
EDAR 1211-1-25 - Order separately

This digital amplifier EDAR 1211-1-25 is designed to control direct operated proportional directional control valves, proportional pressure relief valve and proportional flow regulators with one solenoid without feedback - see "List: EDAR1211-1-25".

DIMENSIONS


All dimensions are shown in mm.

Air bleeding is obligatory for best performance characteristics.

Unscrew partially for air bleeding then screw to stop