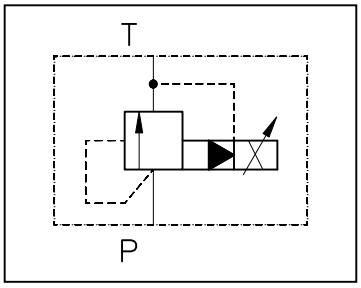
GENERAL DESCRIPTION

List: RVP10-1-Oct 2015

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**

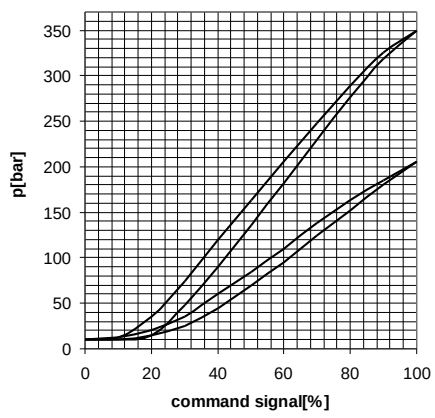
Modification

Climatic realization:
N - normal
T - tropical

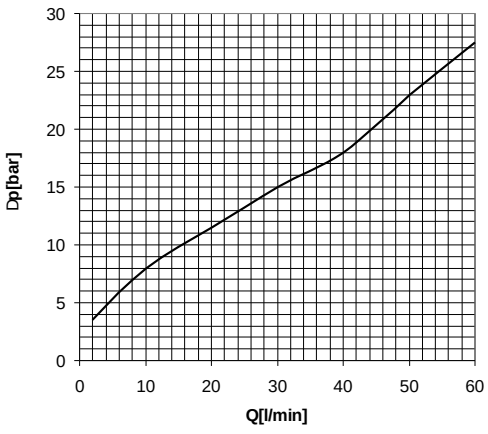
Connectors:
C1 - without connectors
C2 - with connectors without light indicator
C3 - with connectors with light indicator

CHARACTERISTICS

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



Measured at: t = 45°C , without command signal



TECHNICAL DATA

GENERAL

DATA	UNIT	VALUE/RANGE
Installation position		optional , 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	W	2,2 3
Max. coil current	A	2,5

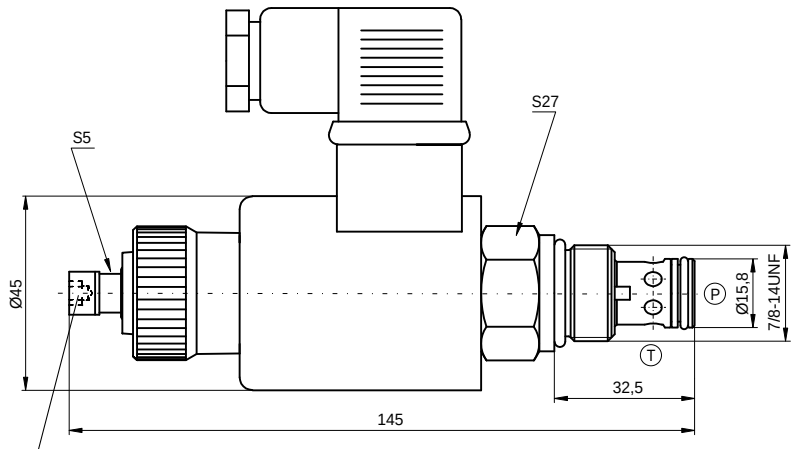
AMPLIFIER

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