

Characteristics

Direct operated pressure relief valves series R1E02 are seated type valves typically used for remote control of pilot operated pressure valves or compensators of variable pumps. In applications where the reliability and simplicity of a hydraulic remote control are preferred to an electro-hydraulic system the R1E02 series is an ideal solution.

Features

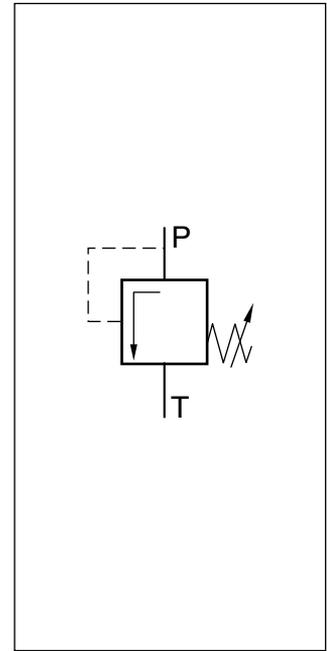
- Seated type valve
- Body variants:
 - front panel mounting
 - subplate mounting
- 3 pressure stages
- 3 adjustment modes:
 - hand knob
 - acorn nut with lead seal
 - cylinder lock



Front panel mounting

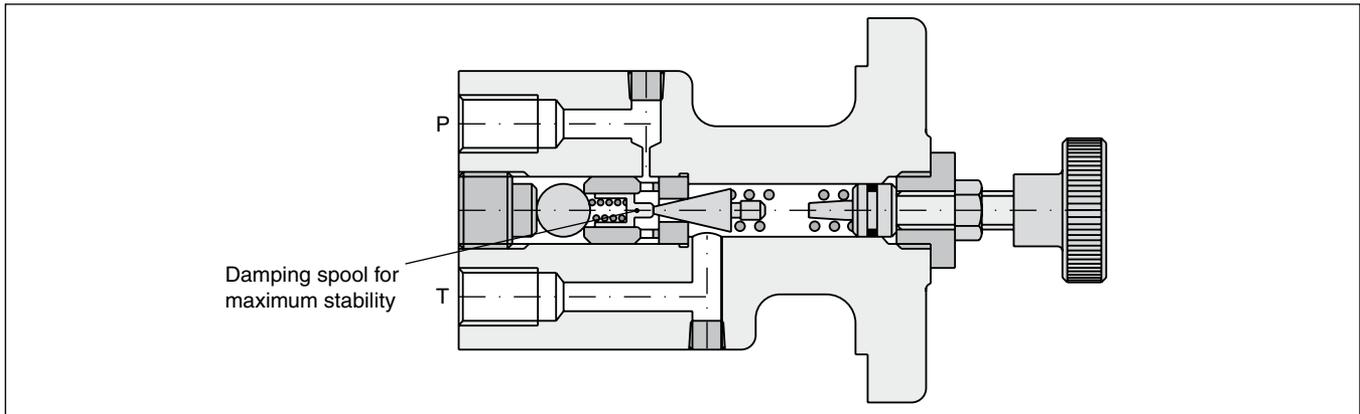


Subplate mounting

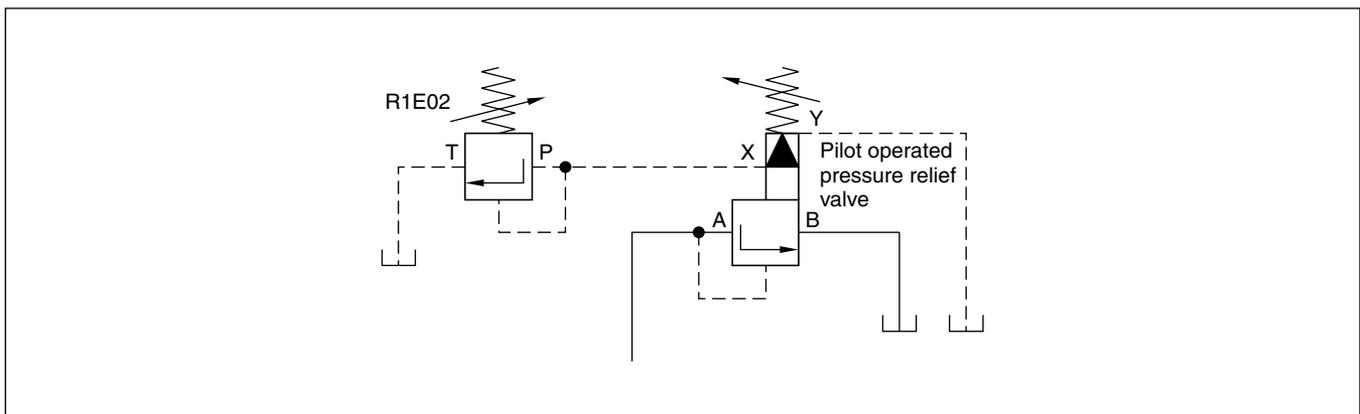


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R1E02, front panel mounting

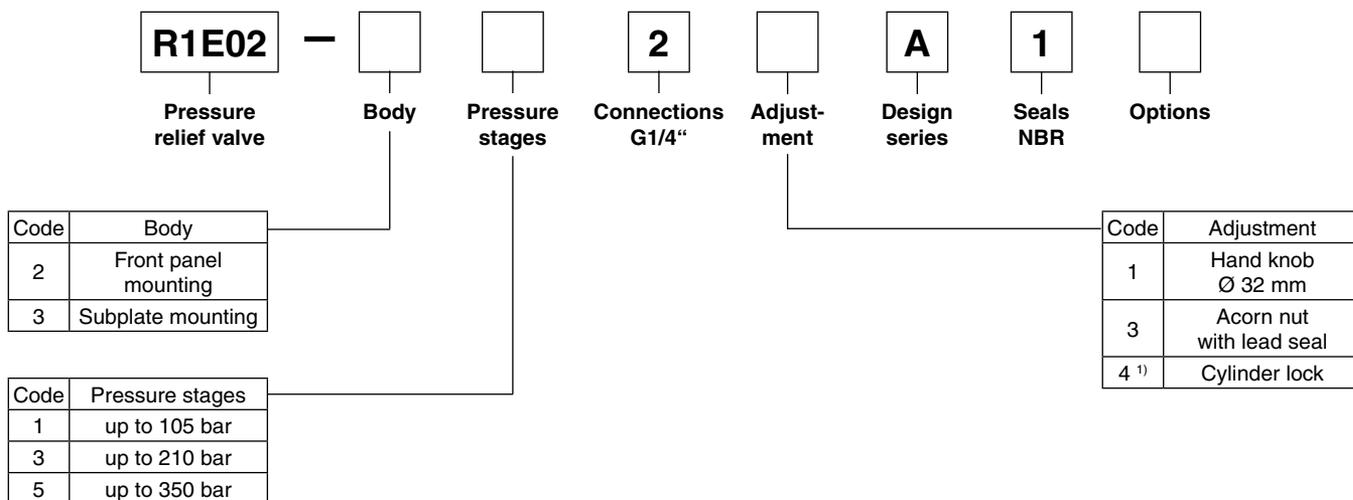


Typical application as remote pilot valve



Ordering Code / Technical Data

Ordering code

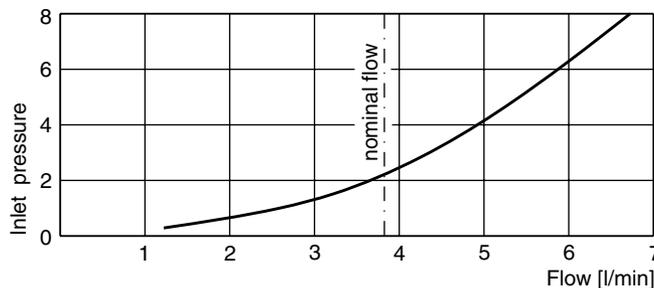


¹⁾ On bodies for subplate mounting use plate S16-64188 if necessary.

Technical data

General		
Design	Direct operated relief valve, seated type	
Nominal size	1/4"	
Body variants	Front panel mounting	Subplate mounting
Mounting position	unrestricted	
Ambient temperature	[°C]	-20...+60
MTTF _D value	[years]	150
Weight	[kg]	2.1 1.0
Hydraulics		
Max. operating pressure	[bar]	Port P 350, Port T depressurized
Pressure stages	[bar]	105, 210, 350
Fluid temperature	[°C]	-25...+70
Nominal flow	[l/min]	3.8
Fluid	Hydraulic oil according to DIN 51524	
Minimum setting pressure	[bar]	7
Viscosity permitted	[cSt] / [mm ² /s]	20...400
Viscosity recommended	[cSt] / [mm ² /s]	30...80
Filtration	ISO 4406 (1999); 18/16/13	

Typical system pressure in relation to flow



Measured with HLP46 at 50 °C.

