General Description

Series R1E02 direct operated, pressure relief valves are seated type valves typically used for remote pressure controls. In applications where the reliability and simplicity of a hydraulic remote control are preferred to an electrohydraulic system, Series R1E02 is an ideal solution.

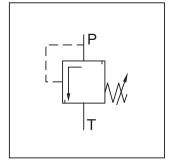
Typically pilot operated pressure valves or compensators of variable pumps are controlled.

Foot Mounting



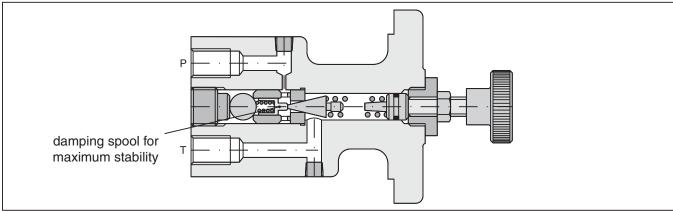




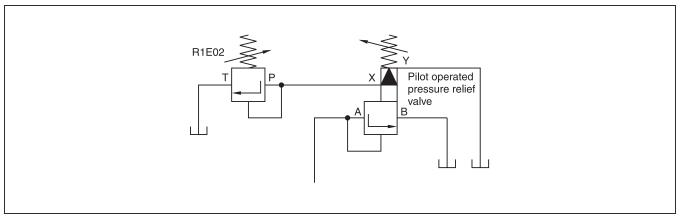


- 3 pressure ranges.
- 3 adjustment modes:
 - hand knobs
 - acorn nut with lead seal
 - adjusting with lock

Front Panel Mounting



Typical Configuration as Remote Pilot Valve



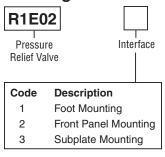




Pressure Relief Valves Series R1E02

Technical Information

Ordering Information



Code Description 1 up to 105 Bar (1523 PSI) 3 up to 210 Bar (3045 PSI) 5 up to 350 Bar (5075 PSI)		sure Connections G1/4"
3 up to 210 Bar (3045 PSI)	Code	Description
' ' '	1	up to 105 Bar (1523 PSI)
5 up to 350 Bar (5075 PSI)	3	up to 210 Bar (3045 PSI)
	5	up to 350 Bar (5075 PSI)

Adjustm	0	I leal trile
Code	Description	
1	Hand Knob Ø32mm	
3	Acorn Nut with Lead Seal	
4 *	Adjusting Device with Lock (Key Order No. 700-70619)	



Weight:

R1E021	2.1 kg (4.6 lbs.)
R1E022	2.1 kg (4.6 lbs.)
R1E023	1.0 kg (2.2 lbs.)

Seal	Kit:
R1E	021

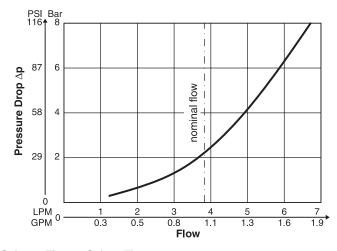
S26-58466-0 R1E022 S26-58466-0 S16-91963-0 R1E023

on bodies for subplate mounting use plate S16-64188.

Specifications

<u> </u>			
General			
Size	1/4"		
Interface	Foot mounting, Front panel mounting, Subplate mounting		
Mounting Position	Unrestricted		
Ambient Temperature Range	-20°C to +70°C (-4°F to +158°F)		
Hydraulic			
Maximum Operating Pressure	Port P 350 Bar (5075 PSI); Port T depressurized		
Pressure Range	105 Bar (1523 PSI), 210 Bar (3045 PSI), 350 Bar (5075 PSI)		
Fluid	Hydraulic oil as per DIN 51524 51525		
Fluid Temperature	-20°C to +70°C (-4°F to +158°F)		
Nominal Flow	3.8 LPM (1.0 GPM)		
Minimum Pressure Setting	7 Bar (102 PSI)		
Viscosity Permitted	10 to 650 cSt / mm²/s (46 to 3013 SSU)		
Recommended	30 cSt / mm ² /s (139 SSU)		
Filtration	ISO Class 4406 (1999) 18/16/13		

Performance Curve



D75

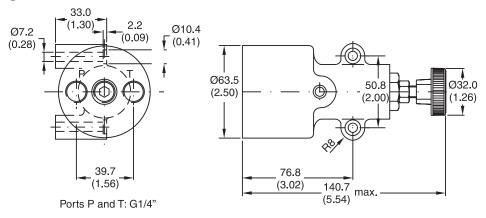
Fluid viscosity 35 cSt at 50°C (122°F) ± 5°C (41°F)



Inch equivalents for millimeter dimensions are shown in (**)

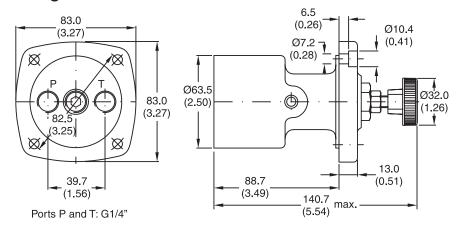
Foot Mounting



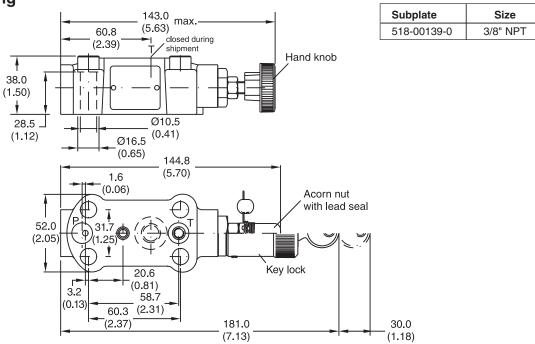


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Front Panel Mounting



Subplate Mounting





R1E02.indd, dd