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.

Features

- Seated type valve.
- 3 body variants:
- foot mounting
- front panel mounting
- subplate mounting
- 3 pressure ranges.
- 3 adjustment modes:
 - hand knobs
 - acorn nut with lead seal

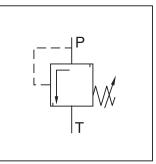
- adjusting with lock Front Panel Mounting

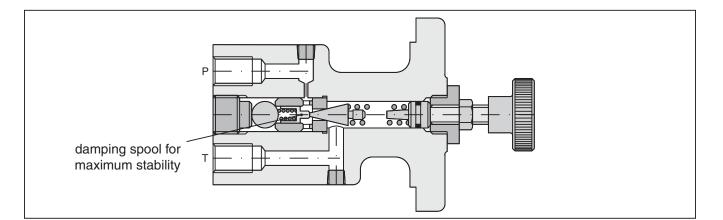




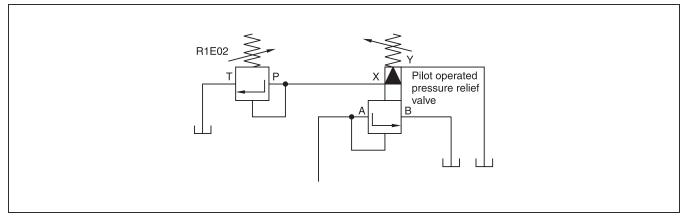
Front Panel Mounting







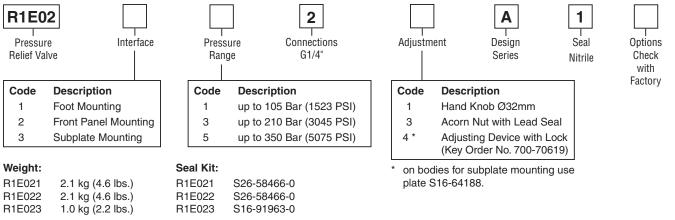
Typical Configuration as Remote Pilot Valve



R1E02.indd, dd



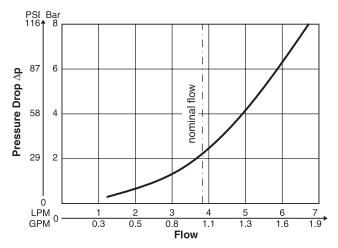
Ordering Information



Specifications

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 Recommended	10 to 650 cSt / mm²/s (46 to 3013 SSU) 30 cSt / mm²/s (139 SSU)
Filtration	ISO Class 4406 (1999) 18/16/13

Performance Curve



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

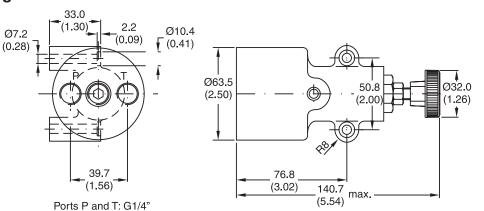
R1E02.indd, dd



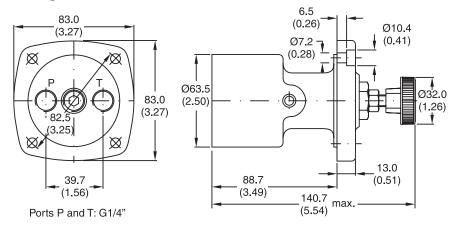
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Inch equivalents for millimeter dimensions are shown in $(\ensuremath{^{\star\star}})$

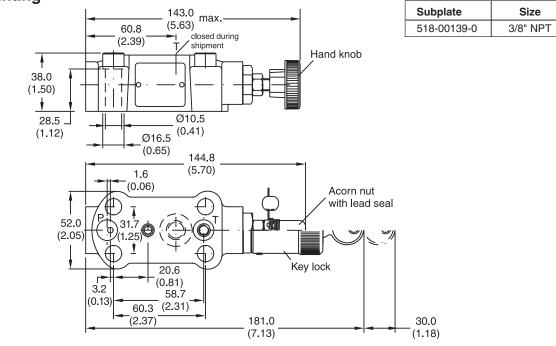
Foot Mounting



Front Panel Mounting



Subplate Mounting



R1E02.indd, dd



Parker Hannifin Corporation Hydraulic Valve Division Elyria, Ohio, USA