LRPIE

Fast-acting Pilot-operated Relief Valve

DESCRIPTION

A cartridge-style fast-acting balanced piston relief valve

OPERATION

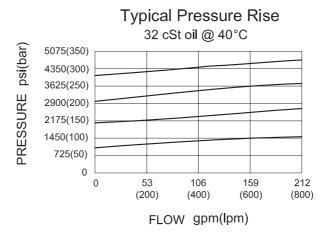
The valves are normally closed, pressure-limiting valves used to protect hydraulics components from pressure transients. Fast opening and closing is gained at the expense of smoothness. W hen the pressure at the inlet (port ①) reaches the valve setting, the valve starts to open to tank (port ②), throttling flow to limit the pressure rise. These valves have low pressure rise vs. flow and are very fast.

Back pressure on the tank port 2 is directly additive to the valve setting at a 1:1ratio.

SPECIFICATIONS

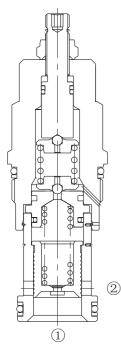
Max.Operating Pressure	350bar
Capacity	380 L/min.
Internal Leakage	50 cc/min. at 70 bar
Response Time- Typical	2 ms
Standard Spring Ranges	A 7 to 210 bar, preset:70bar
	B 3.5 to 105 bar, preset:70bar
	C 10.5 to 420 bar, preset:70bar
	D 1.7 to 55 bar, preset:28bar
	E 1.7 to 28 bar, preset:14bar
	W 10.5 to 315 bar, preset:70bar
Temperature	-40°F to +250°F(-40°C to +120°C)
Filtration	See page N-1
Fluids	Mineral-based fluids with viscosities of 7.4 to 420 cSt.
Cavity	SUN T-16A, See page M-8
Housing Material	Steel & Ductile iron rated to 350bar

PRESSURE DROP VS.FLOW



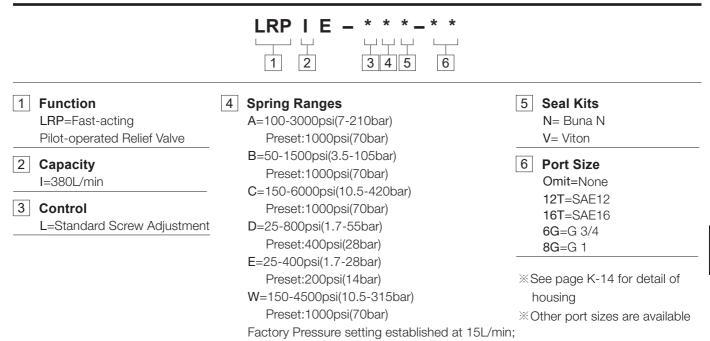
SYMBOL







TO ORDER



INSTALLATION DIMENSIONS

Unit=Millimeters

