

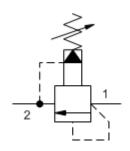


Fast-acting, pilot-operated, balanced piston relief valve

CAPACITY: 200 gpm / CAVITY: T-18A

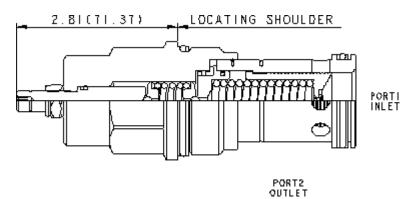


sunhydraulics.com/model/RPKE



## **CONFIGURATION**

L	Control	Standard Screw Adjustment
С	Adjustment Range	150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting
N	Seal Material	Buna-N
	Material/Coating	



Fast-acting, pilot-operated, balanced piston relief cartridges 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.

When 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.

## **TECHNICAL DATA**

Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at 110 SUS (24 cSt)	5 in³/min.@1000 psi
Response Time - Typical	2 ms
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-018-007
Seal kit - Cartridge	Polyurethane: 990-018-002
Seal kit - Cartridge	Viton: 990-018-006

## **CONFIGURATION OPTIONS**

CONTROL (L)

Standard Screw Adjustment

Model Code Example: RPKELCN

ADJUSTMENT RANGE

(C) SEAL MATERIAL

(N)

MATERIAL/COATING (/LH)

/LH Mild Steel, Zinc-Nickel

/AP Stainless Steel, Passivated Standard Material/Coating

С	150 - 6000 psi (10,5 - 420 bar),		N
	1000 psi (70 bar) Standard Setting		٧

N	Buna-N
٧	Viton

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