LRPEC-8WN

Pilot-operated Relief Main Stage

DESCRIPTION

A cartridge-style, pilot operated, balanced piston relief main stage with integral T-8A control cavity

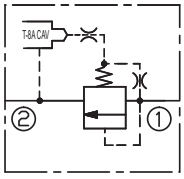
OPERATION

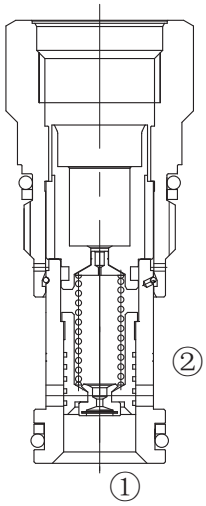
This valve is a normally closed modulating element that incorporates an integral pilot control cavity. It is a balanced piston design. The pilot control cavity will accept any T-8A pressure control cartridge. When the pressure at the inlet (port ①) reaches the pilot control cartridge's setting, the modulating element starts to open to tank (port ②), throttling flow to regulate the pressure. The pilot cartridge's setting determines the difference in pressure between port ① and port ② .

SPECIFICATIONS

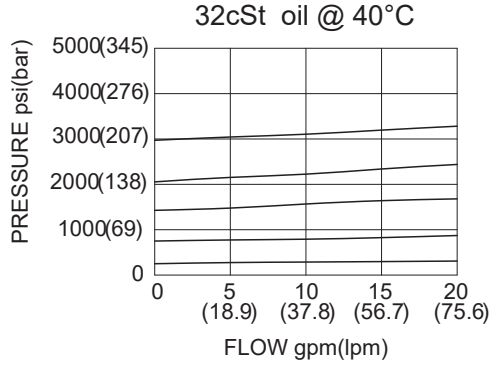
Max.Operating Pressure	350bar
Flow	See PRESSURE DROP VS.FLOW graph.
Internal Leakage	32 ml/min. at 70 bar
Temperature	-40ºF to +250ºF(-40ºC to +120ºC)
Filtration	See Page N-1
Fluids	Mineral-based fluids with viscosities of 7.4 to 420 cSt.
Cavity	SUN T-10A,See page M-7
Housing Material	Steel & Ductile iron rated to 350bar

SYMBOL





PRESSURE DROP VS.FLOW



Pilot control provided by
Proportional Pilot Relief,Model LRBAP-XAN

TO ORDER

LRP E C - 8 W N - * *

1 2 3 4 5 6

1 Function
LRP= Pilot-operated,Balanced Piston ,Relief Main Stage

2 Capacity
E=95L/min

3 Control
8=Integral T-8A Control Cavity

4 Minimum Control Pressure
W=100psi(7.0bar)

5 Seal Kits
N= Buna N
V= Viton

6 Port Size
Omit=None
8T=SAE8
10T=SAE10
3G=G 3/8
4G=G 1/2

※See page K-13 for detail of housing
※Other port sizes are available

E

INSTALLATION DIMENSIONS

Unit=Millimeters