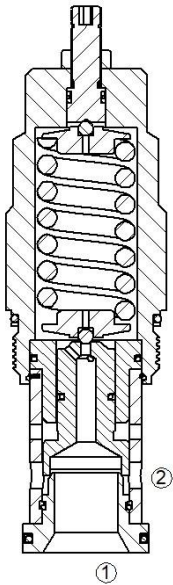




Overview



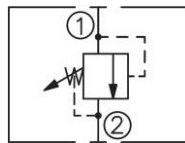
Description

The cartridge-style direct acting relief valve.

Operation

The valve is normally closed, pressure-limiting valves used to protect hydraulic components from pressure transients. 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 are smooth and quiet, essentially zero leak, dirt tolerant, immune to silting and are very fast.

Symbol



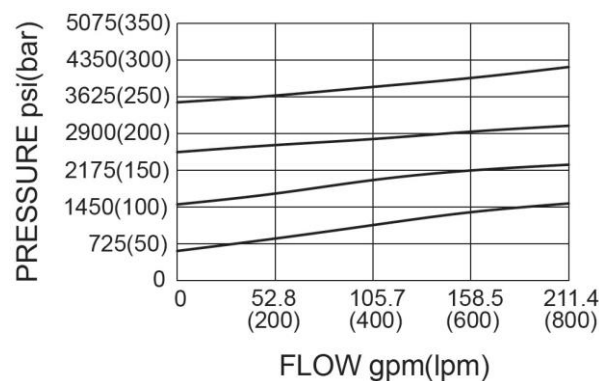
Ratings

Operating Pressure	: 350 bar
Flow Rating	: Refer Pressure drop VS Flow Graph
Internal Leakage	: 10 drops/min. max. to 90% of crack setting
Reset Pressure	: <80% of Setting Pressure
Standard Spring Ranges	: A = 35-210bar; Present 70bar B = 20-105bar; Present 70bar C = 70-420bar; Present 70bar D = 14-55bar; Present 28bar E = 7-28bar; Present 14 bar W= 55-315bar; Present 70bar S = 3.5-14bar; Present 7bar
Temperature	: -40° to +120° C
Fluids	: Mineral Based Fluids with viscosities of 7.4 to 420 cSt
Cavity	: SUN T-18A
Housing Material	: Steel & Ductile iron rated to 350 bar

Performance

PRESSURE DROP VS FLOW

32cSt oil @ 40°C



Model Code

BRDJA

Direct Acting
Relief Valve
760 lpm

Control

L = Standard Screw Adjustment

Seals

N-Buna N (Std)
V-Viton

Spring Ranges

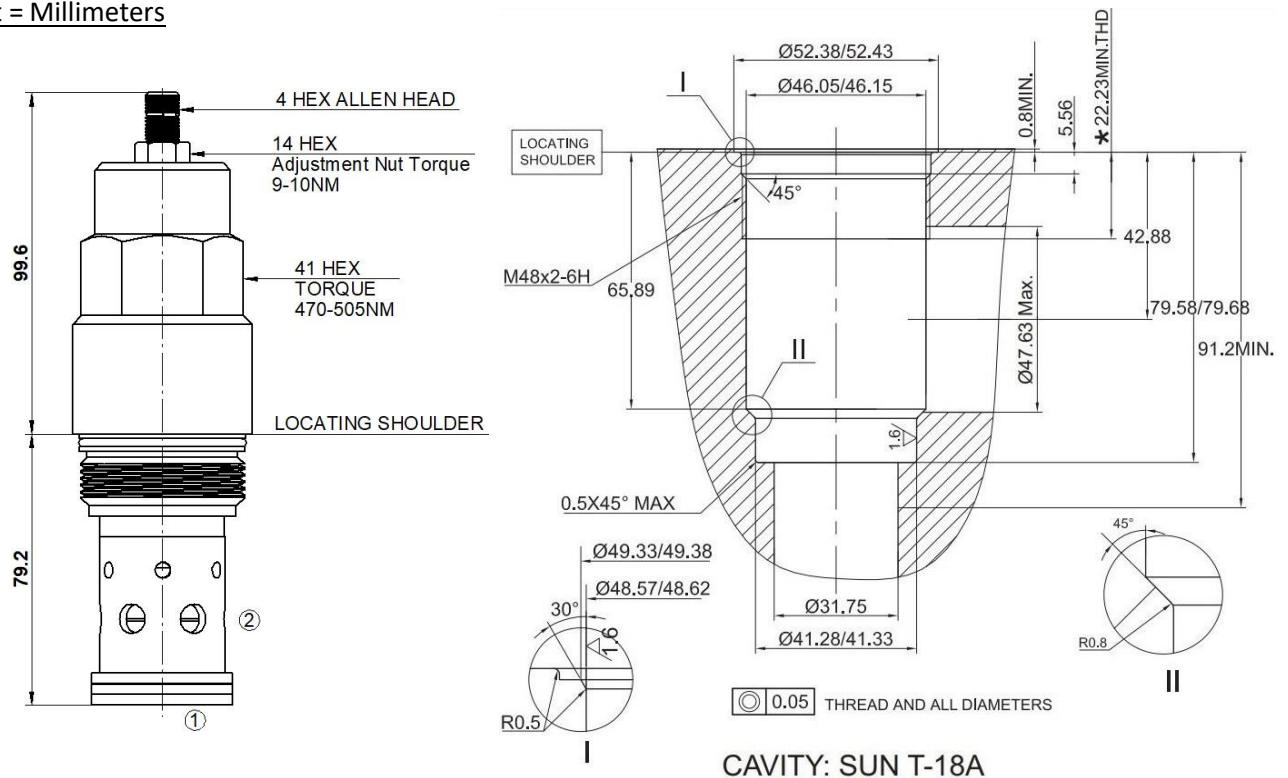
A = 35-210bar; Present 70bar
B = 20-105bar; Present 70bar
C = 70-420bar; Present 70bar
D = 14-55bar; Present 28bar
E = 7-28bar; Present 14 bar
W = 55-315bar; Present 70bar
S = 3.5-14bar; Present 7bar

Port Size

Omit = None
12T = SAE12
16T = SAE16
6G = G 3/4
8G = G 1

Installation Specifications

Unit = Millimeters



Note : Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.