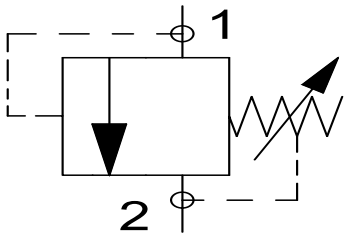
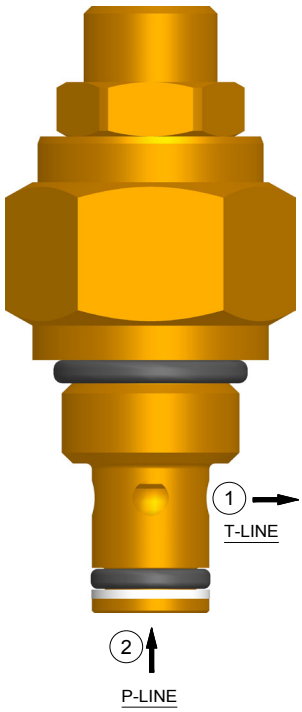
SINGH HYDRAULICS

SRP-08

Pressure Relief valve Direct Acting ,Ball Type



- $Q_{(max)}$=25 lpm , $P_{(max)}$=350 bar
- Screw -in Cartridge,
- Direct Acting , Ball Type Design

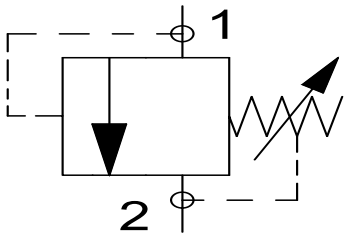


- **Ball Type design** provides Quick response & greater stability
- **Overset Protection** -Spring cannot go solid.
- **Quick & Smooth Reponse** to load change in hydraulic system with **low internal leakage**
- Available in **Leakproof screw adjustment / Fixed setting cap.**
- Can be fitted in **line mounting bodies**.
- All external parts are **zinc plated ,chromated (CrVI-Free).**
- Designed in accordance to **Industry common Cavities.**

1. Description -

SRP series cartridge valves are **Screw-in, Direct Acting, Ball type, Normally Closed** high performance Pressure relief valves.This cartridge valve is used typically to protect hydraulic systems from pressure transients.It also offers excellent response to load change in hydraulic system requiring low internal leakage.

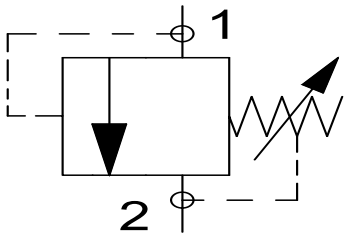
Pressure (From Pump) should be connected to #2-port ,while #1-port is connected to T-line. This relief valve can be used in manifold blocks & line mounting bodies.All external parts of this cartridge are Zinc-plated and chromated (CrVI-free).

Pressure Relief valve Direct Acting ,Ball Type	

2. Technical Data :

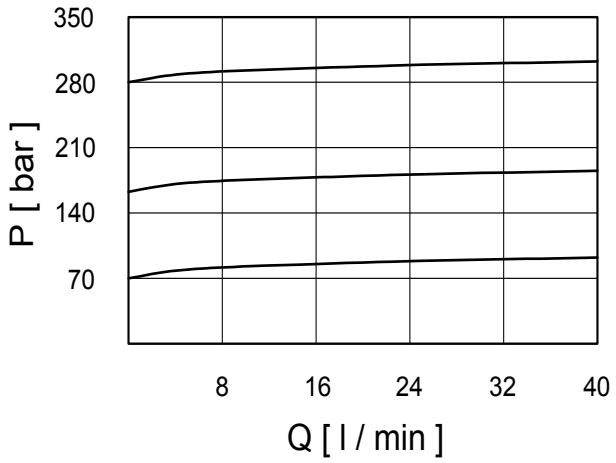
S.no.	General Specification	Values
1.	Designation	Direct Acting Relief Valve
2.	Mounting Method	S08-2 Cavity
3.	Maximum operating Pressure	340 bar
4.	Maximum Flow	25 lpm
5.	Maximum Internal Leakage	0.25 cc/min
6.	Reseat Pressure	90% of crack pressure
7.	Valve Housing	$P_{Hydraulic\ system}$ ≤ 210 bar-Aluminum Housing-Anodised $P_{Hydraulic\ system}$ >210bar-Steel housing -Zinc Plated
8.	Operating Temperature	-30° to +110° C
9.	Hydraulic Fluid	Mineral oils with lubricating properties at 15.....250 mm^2/sec
10.	Minimum Fluid Cleaniness	ISO Class 20/18/15
11.	Weight	0.30 kg
12.	Installation torque	40-50 N/m

Pressure Relief valve
Direct Acting ,Ball Type

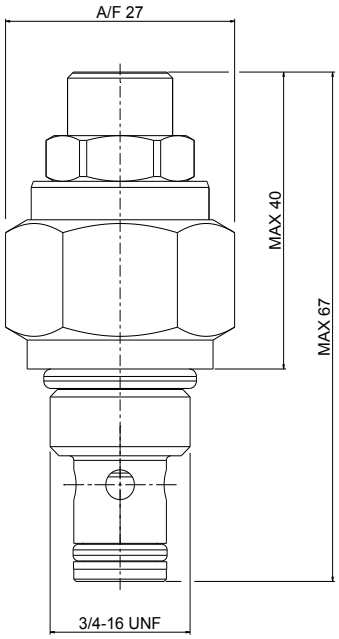


3. P-Q Characteristics :

Note: The Performance Chart shows Flow handling capacity at specific pressure setting P/Q Curve is recorded at $Temp_{oil}$ = 40° C at 46 cst.



4. Dimensioning :



5. Ordering Code :

SRP - 08 - X - X - X - XXX

VALVE BASIC CODE

CAVITY TYPE = 3/4″-16 UNF
METRIC CAVITY AVAILABLE ON REQUEST

AGJUSTMENT :
F = FIXED SETTING
A = ADJUSTMENT SCREW
K = KNOB

HOUSING & PORTS
C : Cartridge only
XA3 : 3/8″ BSP
XB8 : SAE #8

A : Aluminium Housing
S : Steel Housing

SPRING RANGE :
A = 05-100 bar
B = 50-200 bar
C = 100-340 bar

PRESSURE SETTING (bar)
000 = for no specific setting

SUBJECT TO CHANGE WITHOUT NOTICE