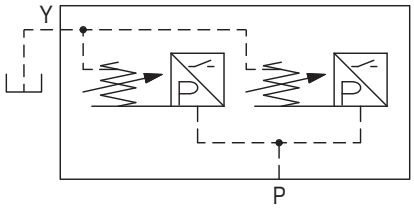
Pressure switch
SG1/ST1-02

Functional Symbol



- This pressure switch is used to sense pressure in hydraulic circuits to turn electrical circuits ON and OFF.
- These products incorporate 2 micro-switches for high and low pressure settings.

Model Code

(F3)-ST1-02-10-11-JA-S40-J

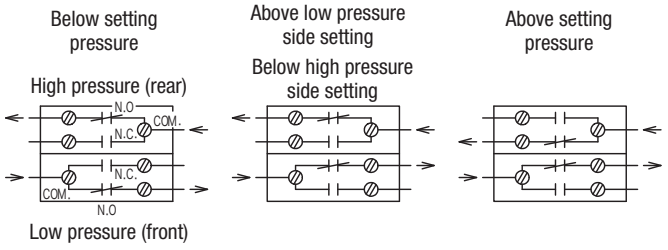
1 2 3 4 5 6

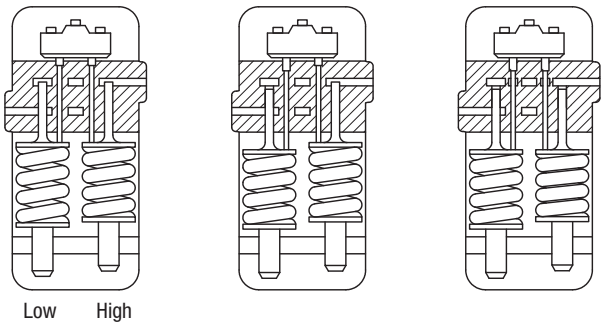
1 Hydraulic fluid
Omit: mineral oil based fluid, water-glycol based fluid
F3: phosphate ester
2 Pressure switches
ST1: threaded type
SG1: gasket mounting
3 Size
4 Sensing pressure adjustment range
Refer to “Specifications”.
5 Design no.
6 For ST1 only

Specifications

Model Code	Max. Working Output MPa	Code	Sensing Pressure Adjustment Range MPa	Weight kg
ST1-02 SG1-02	35	10	0. 7～ 7	3. 0
		20	0. 7～14	
		50	3. 5～35	

● Micro-Switch Operation





● Micro-Switch Rating

Power Supply	AC	DC	
Voltage V	125, 250, 480	125	250
Current A	15	0. 5	0. 25

Notes on Operation

- After Removing cover and loosening locknut, turn adjuster CW to increase sensing pressure, and turn CCW to decrease sensing pressure.
- Connect drain port directly to tank.

Mounting Bolts (JIS B 1176, Strength Class 12.9)

Model Code	Hex Socket Bolt x 2	
	Metric	Unified
SG1-02	M6×50	1/4-20UNC×50. 8

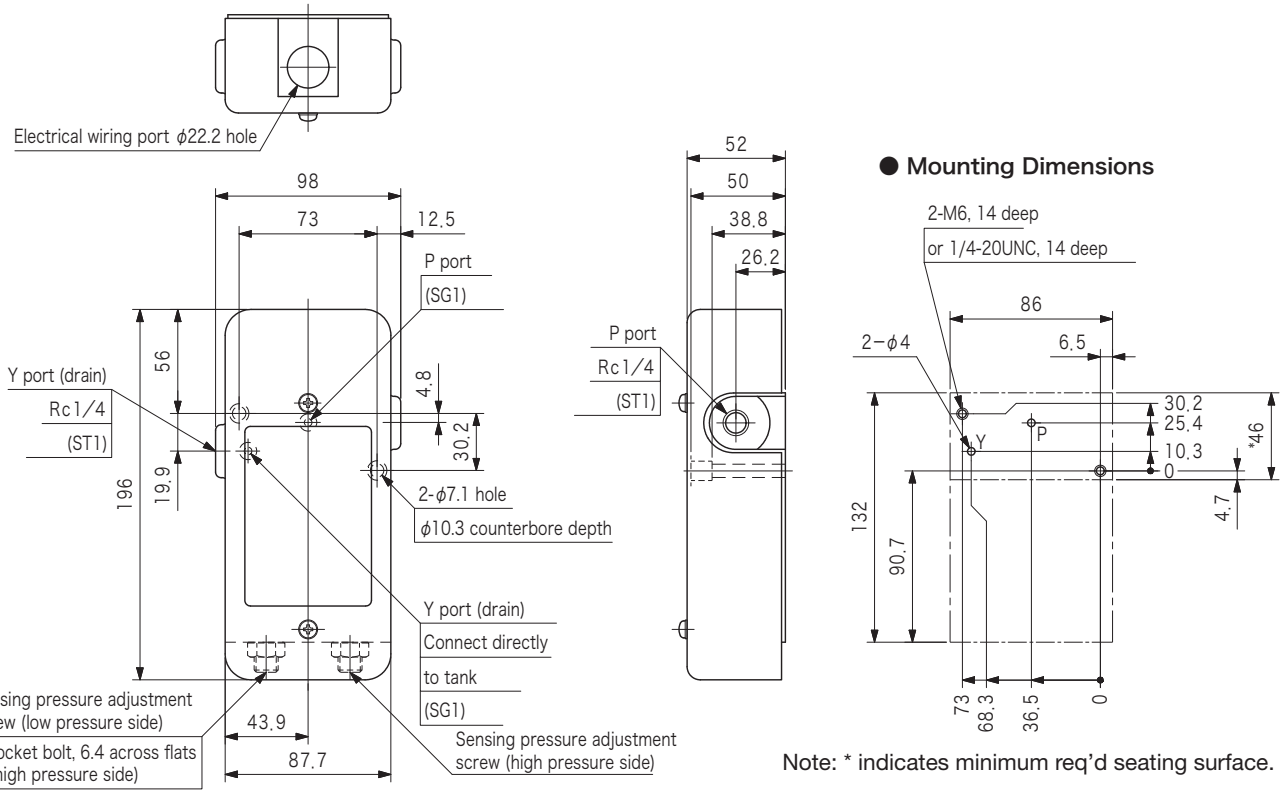
- Mounting bolts are not included with unit and must be ordered separately.
- Tightening torque of mounting bolts: 12 to 15 N•m

Subplate

Valve Model	Subplate	Connection Port Dia. Rc
SG1-02	SG1SM-02-10-JA-J	1/4

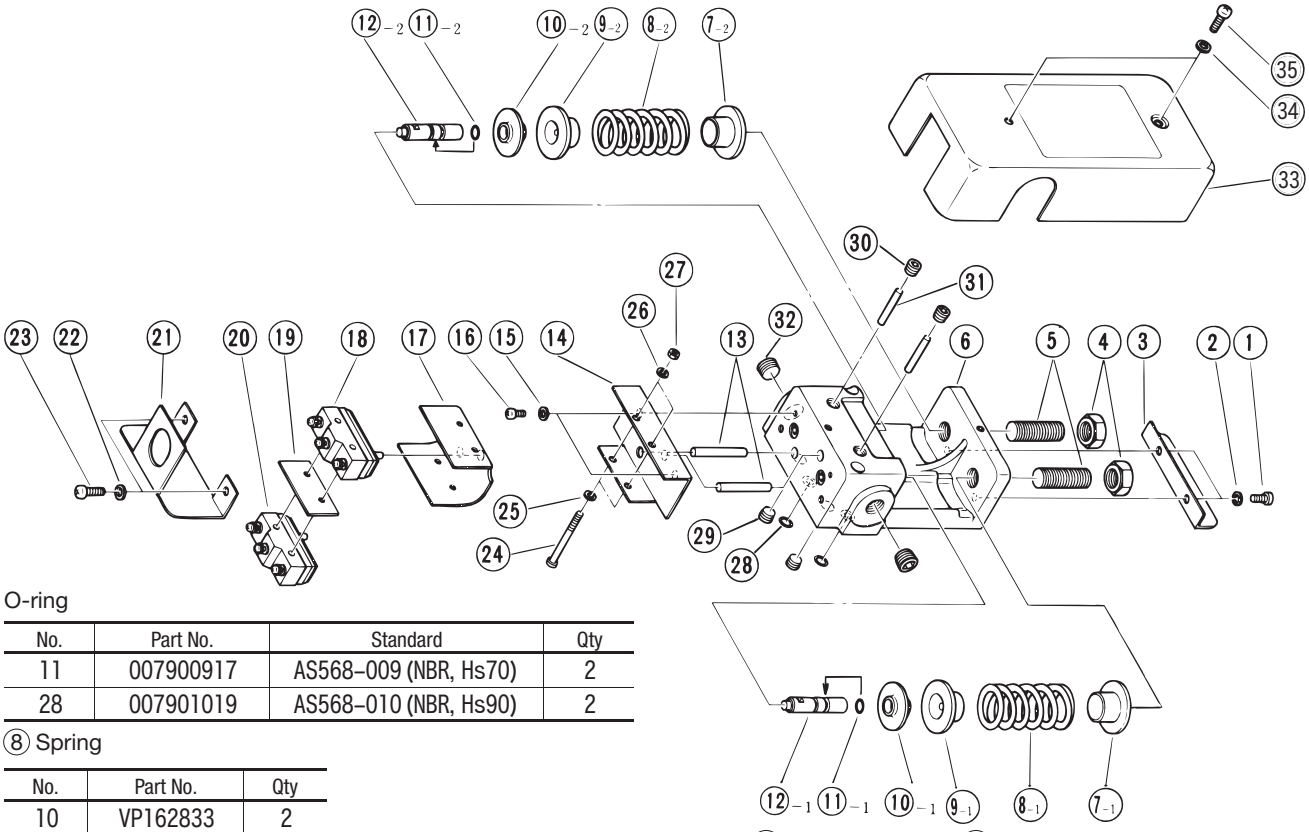
- Subplate is not included with unit and must be ordered separately.
- Subplate includes mounting bolts. (Unified thread)
- See page R6-10 for dimensions.

Dimensions



Note: * indicates minimum req'd seating surface.

Construction



O-ring

No.	Part No.	Standard	Qty
11	007900917	AS568-009 (NBR, Hs70)	2
28	007901019	AS568-010 (NBR, Hs90)	2

⑧ Spring

No.	Part No.	Qty
10	VP162833	2
20	VP108903	2
50	VP108901	2

Note: • ⑩ cap is inserted in ⑫ valve.
• ㉘ O-ring and ㉜ taper plug are used only with SG1.