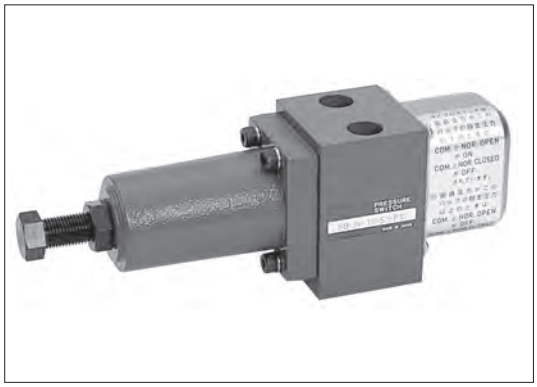
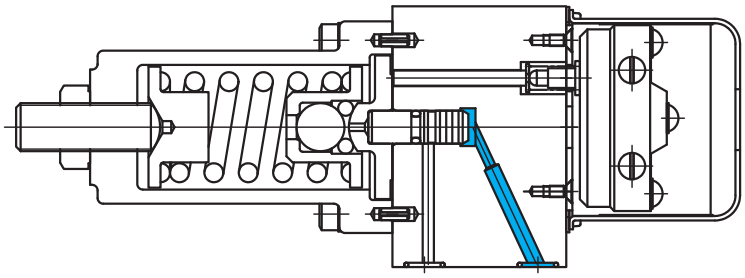
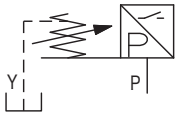
Pressure switch
SG-3





Functional Symbol



● This pressure switch is used to sense pressure in hydraulic circuits to turn electrical circuits ON and OFF.

Model Code

(F3)-SG-3F-12-(LA)

1 2 3 4 5

1 Hydraulic fluid
Omit: mineral oil based fluid, water-glycol based fluid
F3: phosphate ester
2 Pressure switches (gasket mounting)
3 Sensing pressure adjustment range
Refer to “Specifications”.
4 Design no.
5 Indicator lamp (option)
Omit: no indicator lamp (standard)
LA: indicator lamp

Specifications

Model Code	Max. Working Output MPa	Code	Sensing Pressure Adjustment Range MPa	Weight kg
SG–3	21	F	0. 7〜14	1. 9
		V	3. 5〜21	

● Micro-Switch Rating

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

● Micro-Switch and Circuit Pressure Relationship

1. Circuit pressure lower than setting pressure

COMMON ●—●—NORMALLY OPEN
○—NORMALLY CLOSED

2. Circuit pressure higher than setting pressure

COMMON ●—○—NORMALLY OPEN
●—NORMALLY CLOSED

Notes on Operation

● Loosen locknut, turn adjustment screw clockwise to raise sensing pressure setting, counterclockwise to lower sensing pressure setting.
● Connect drain port directly to tank.
● Indicator lamp flashes when circuit pressure exceeds setting pressure, activating micro-switch (option).

Mounting Bolts (JIS B 1176, Strength Class 12.9)

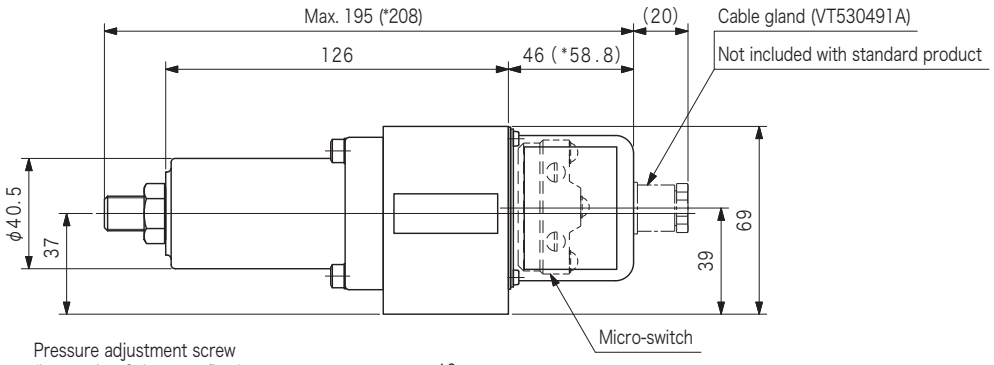
Model Code	Hex Socket Bolt x 2	
	Metric	Unified
SG–3	M8×70	5/16–18UNC×76. 2

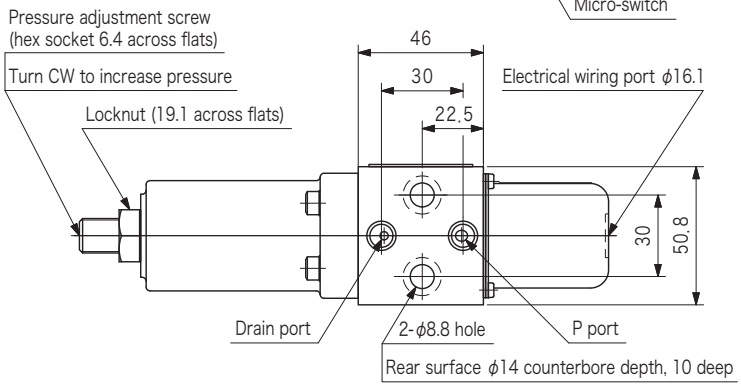
● Mounting bolts are not included with unit and must be ordered separately.
● Tightening torque of mounting bolts: 27 to 33 N•m

Subplate

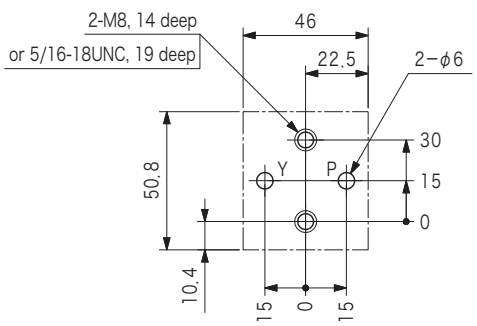
Manifold block mounting (subplate not available).

Dimensions



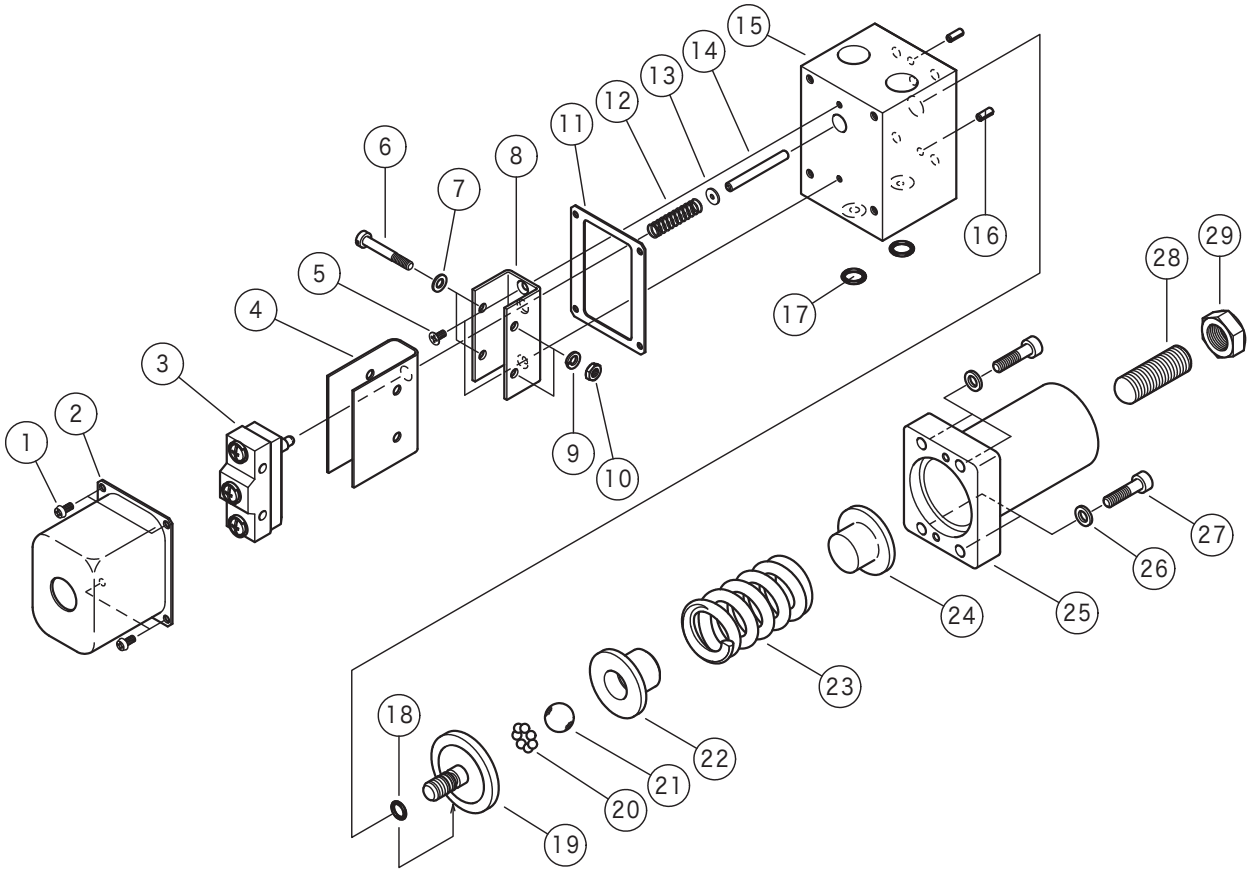


● Mounting Dimensions



Note: * marked dimensions indicates model LA (with indicator lamp).

Construction



O-ring

No.	Part No.	Standard	Qty
17	007901117	AS568–011 (NBR, Hs70)	2
18	007900917	AS568–009 (NBR, Hs70)	1