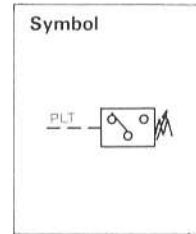
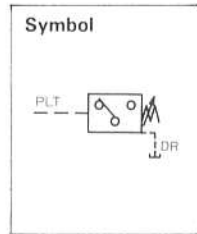


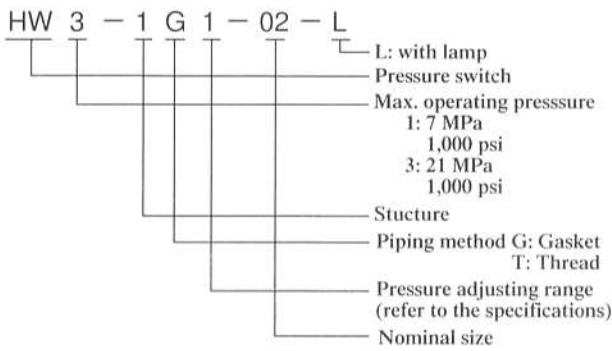
Accessories

Pressure switches (Series HW※)

This pressure switch serves to control the electrical circuit for solenoid valves, motor starting switch and signal lamps by electrical switching when the pressure of the hydraulic circuit has reached a set value.



● Model coding



● Please indicate the operating voltage when you order.

● Specifications

Pipe size	Max. operating pressure		Pressure adjusting range		Permissible back pressure		Model
	MPa	psi	MPa	psi	MPa	psi	
1/4	21	3,000	0.35 ~ 2	50 ~ 286	0.03	4.3	HW3-1G0-02
			1.5 ~ 5.5	214 ~ 785			HW3-1G1-02
			5 ~ 9.5	785 ~ 1,357			HW3-1G2-02
			9 ~ 15.5	1,286 ~ 2,214			HW3-1G3-02
			15 ~ 21	2,143 ~ 3,000			HW3-1G4-02

Sub-plate should be separately ordered.

Pipe size	Max. operating pressure		Pressure adjusting range		Model
	MPa	psi	MPa	psi	
1/4	7	1,000	0.4 ~ 2	57 ~ 286	HW1-3T0-02
			1 ~ 7	143 ~ 1,000	HW1-3T1-02

If a built-in neon lamp is required, please indicate the following model codes.

- HW1-3T※-02-L AC lamp
- HW1-3T※-02-DC-L DC lamp

● Microswitch electrical rating

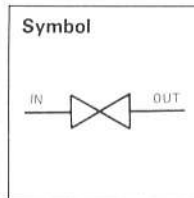
AC	125V-15A, 250V-15A, 480V-15A
DC	125V-0.5A, 250V-0.25A

● Microswitch electrical rating

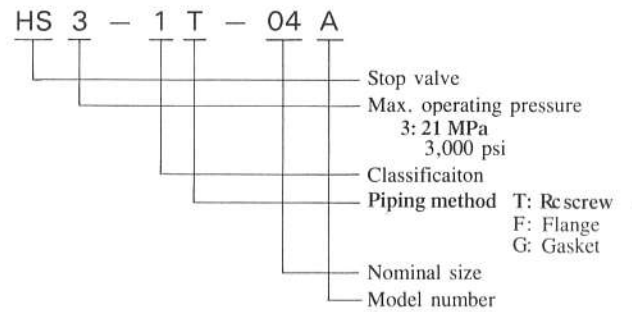
AC	125V-5A, 250V-5A
DC	125V-0.5A, 250V-0.25A

High pressure stop valves (Series HS3)

This valve is used to turn on and off the flow of the main circuit.



• Model coding



• Specifications

Pipe size	Rated flow		Max. Operating pressure		Model		
	ℓ/min	gpm	MPa	psi	Thread connection	Flange connection	Gasket connection
1/4	20	5.3	21	3,000	HS3-1T-02A	HS3-1F-02A	HS3-1G-02A
3/8	40	10.6			HS3-1T-03A	HS3-1F-03A	HS3-1G-03A
1/2	75	19.8			HS3-1T-04A	HS3-1F-04A	—
3/4	120	31.7			HS3-1T-06A	HS3-1F-06A	HS3-1G-06A
1	190	50.3			HS3-1T-08A	HS3-1F-08A	—
1-1/4	320	84.6			HS3-1T-10A	HS3-1F-10A	HS3-1G-10A
1-1/2	400	105.8			—	HS3-1F-12A	—
2	500	132.3			—	HS3-1F-16A	HS3-1G-16A
2-1/2	800	211.6			—	HS3-1F-20A	—
3	1,200	317.5			—	HS3-1F-24A	—

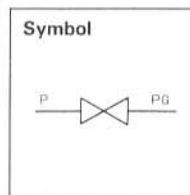
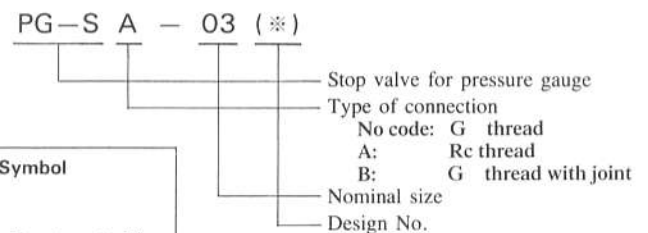
Stop valves for pressure gauge (Series PG-S)

This valve is used to turn on and off the hydraulic flow to the pressure gauge.

Type PG-SB is equipped with the joint to turn the face of the pressure gauge to any desired direction.



• Model coding



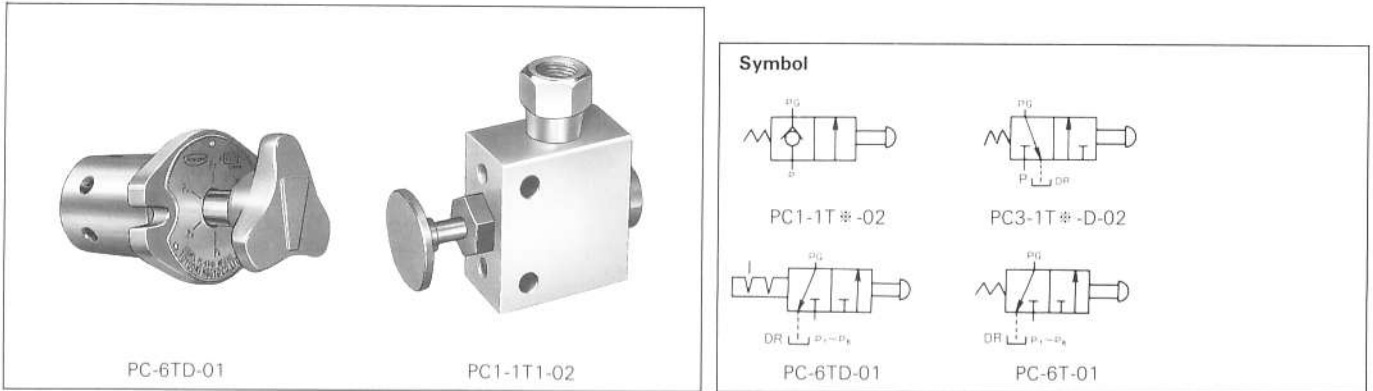
• Specifications

Pipe size	Max. operating pressure		Connection pipe size		Model
	MPa	psi	P	PG	
1/4	21	3,000	Rc 1/4	Rc 1/4	For Rc thread PG-SA-02
			G 1/4	G 1/4	For G thread PG-S-02A
			G 1/4	G 1/4	For G thread PG-SB-02
3/8	21	3,000	Rc 3/8	Rc 3/8	For Rc thread PG-SA-03
			G 3/8	G 3/8	For G thread PG-S-03A

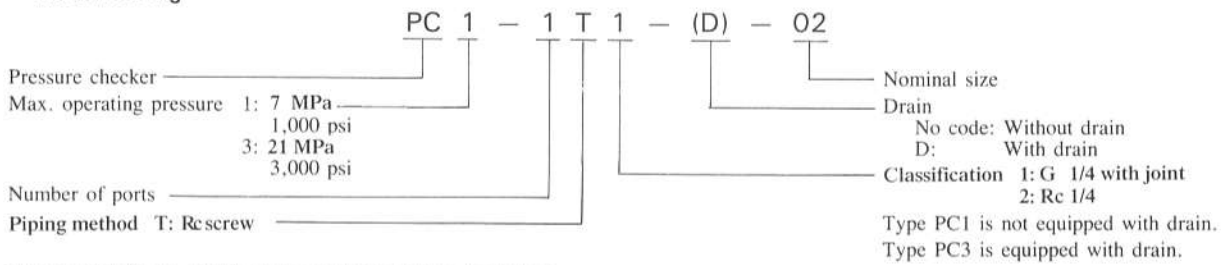
(Note) Models PG-S-※ and PG-SB-※ can be directly connected with the pressure gauge.
Model PG-SA-※ cannot be directly connected with the pressure gauge.

Pressure checkers (Series PC)

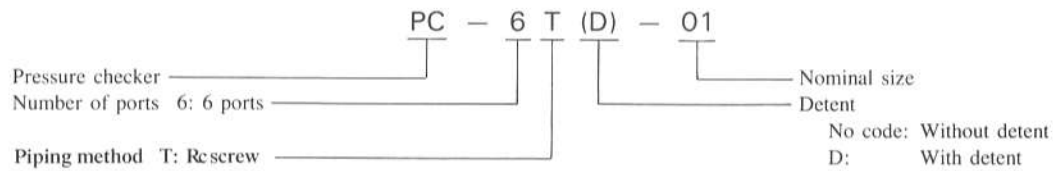
This pressure checker serves to turn on and off the flow of the main circuit to the pressure gauge.



• Model coding



The pressure in the circuit can be read by pushing the button.



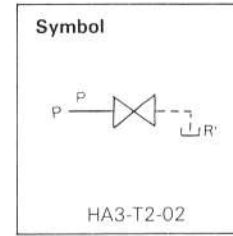
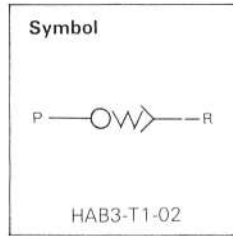
Multi-circuit pressure checker serves to check the pressures in the several circuits with a single gauge by rotating the knob and pushing it.

• Specifications

Pipe size	Max. operating pressure		Operating force		Model
	MPa	psi	N	lb	
1/4	7	1,000	0.2 ~ 0.6	4.4 ~ 13.3	PC1-1T*-02
	21	3,000	0.8	178	PC3-1T*-D-02
1/8	14	2,000	0.6 ~ 1.3	13.3 ~ 28.9	PC-6T (D)-01

Air vent valves (Series HAB3·HA3)

This valve serves to release air shut up in the circuit by mounting itself either on the delivery side of the pump or the actuator side.



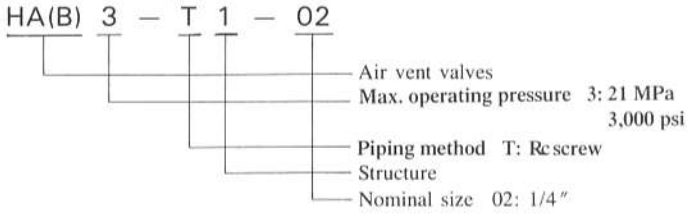
(HAB3-T*-02)

- Mounted on the delivery side of the pump, this valve automatically releases air in the circuit when the pump starts.

(HA3-T2-02)

- Mounted on the actuator side, this valve releases air in the circuit.

• Model coding



• Specifications

Model		HAB3-T1-02	HAB3-T2-02	HA3-T2-02
Max. operating pressure	MPa		21	
	psi		3,000	
Delivery of pump used	ℓ/min	1.5 ~ 75	6 ~ 400	—
	gpm	0.4 ~ 19.8	15.9 ~ 106	
Min. flow with which the valve begins to close	ℓ/min	1.2	5.6	—
	gpm	0.32	1.48	
Min. pressure with which the valve begins to close	MPa		0.35	—
	psi		50	