PRESSURE SWITCH MODULAR VALVE

Pressure Switch Modular Valve

ΝΔCΗΙ

50 ℓ /min 25MPa



Features

- (1) This modular valve detects pressure changes inside the hydraulic circuit and opens and closes an electrical circuit accordingly.
- 2)High precision detection, high precision

Specifications

circuit control, outstanding reliability.

- ③Maximum operating pressure: 25MPa {255kgf/cm²}
- (4)Indicator light built into the DIN connector shows operational status at a

glance.

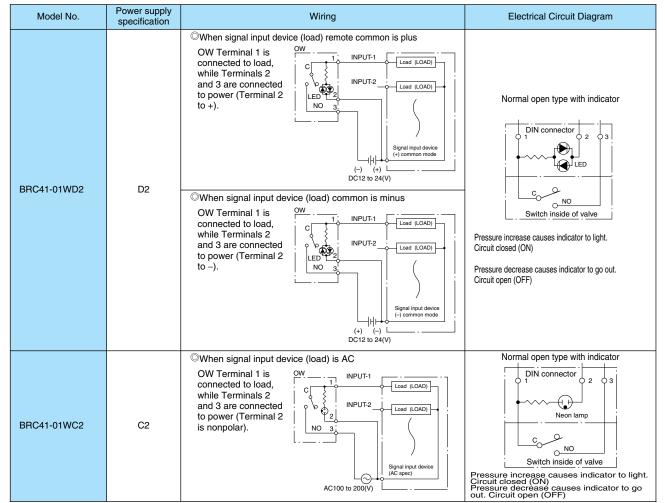
(5) A double type is also available for control of both port A and port B in a compact configuration.

Model No.		Nominal Diameter	Maximum Wo Pressure	• [°] F	num Flow Rate	Range	Pressure Adjustment Range		Gasket Surface Dimensions	
		(Size)	MPa{kgf/cr	n²} l	/min	MPa{kgf/cm		kg	Dimensions	
OW-G01-PC-R-**-30						0.5 to 3.5{ 5.1	-			
P1						0.8 to 7{ 8.2		1.8		
P3						3.5 to 21{35.7	-			
OW-G01-AC-R-**-30						0.5 to 3.5{ 5.1			- ISO 4401-03-02-0-94	
A1						0.8 to 7{ 8.2		1.8		
A3		1/8	25{255	3	50	3.5 to 21{35.7	to 214}			
OW-G01-BC-R-**-30				,		0.5 to 3.5{ 5.1				
B1						0.8 to 7{ 8.2		1.8		
B3						3.5 to 21{35.7	to 214}			
OW-G01-WC-R-**-30						0.5 to 3.5{ 5.1	-			
W1						0.8 to 7{ 8.2	-	2.6		
W3						3.5 to 21{35.7	to 214}			
Electrical				125V	5A		●H	andling		
Specifications		ntact Capacitance	AC	250V	3A		1 See the detailed explanation on the			
Micro Switch		esistive Load)					next page for information about wiri inside connectors.		nformation about wiring	
Manufacturer: Omron			DC	14V	5A					
Model No. SS-5				30V	4A		 Contacts are normally open type only, not normally closed type. In addition to load wiring, power supply wiring is also required to illuminate the 			
	Me	chanical Life	At least 1 >	< 10 ⁷						
	Ele	ctrical Life	At least 3 >	< 10º(AC,0.1A	,cos <i>φ</i> =1)					
	Cor	ntact Resistance	$30M\Omega$ maximum (initial value)				indicator light. See the wiring diagram for more information. If the DIN connector interferes with other valves, remove the two switch installation bolts and change the instal- lation orientation. If interference is			
	Insu	lation Resistance	At least 100MΩ							
	Allowa	able Operating Frequency	60 times/minute (electrical)							
Operating Environment		t Resistance/Water istance Rank	JIS C0920 IP64							
	Amb	pient Temperature	-20°C to 70°C (non-condensation)							
	Operating Fluid	Fluid Temperature	-20°C to 70°C		Use a f	uid	caused in all orientations, install an interference blanker plate on top of the			
		Allowable Viscosity Range	15 to 300n	nm²/s{cSt}	that is v both ra			connector. Contact your agent if a		
		Filtration	25µm max	imum	I		interference blanker plate is required.			
Understanding Model Numbers								5 Note that a special type of DIN connec- tor is required. The DIN connector is		
Underst	an	aing woo		mpers					eable with the one fo	
OW – G 01 –	P 1	- (K)R - D2	2 – 30					e SA type sole		
				6If you cannot remove the DIN connec- tor when wiring, remove the switch						
			Pov	ver supply sp		n an DC 30 V			s and then remove th The tightening torqu	
						an AC 250 V			on bolts is 5 to 7Nm {5	
			— B: With	indicator light				71kgf/cm}.		
				manual han					drain volume the sam	
		_				,			(decompression valve	
		Pressure	e adjustment	1 : 0.8	to 7MPa(8	5.1 to 35.7kgf/cm ²) 2 to 71.4kgf/cm ²) 35.7 to 214kgf/cm ²)	th		ecting structural pres	
		Control	• •	ort A: A por B ports		- ·				
		Nominal di	ameter (size	-						

Mounting method G: Gasket type

Pressure switch modular valve



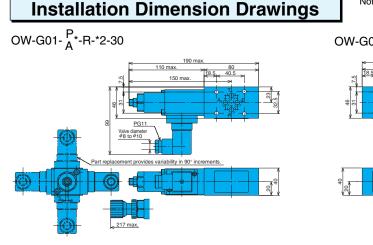


Note) 1. The DIN connector wiring connector port size is PG11.
 2. The compatible cable diameter for the DIN connector is \$\varnothings\$ to \$\varnoth

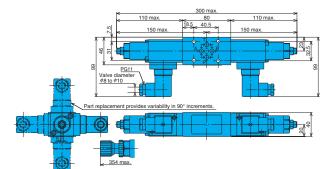
4. The connector is designed so the cover cannot be removed unless the installation screws are removed.

5. Use M3 for round type and Y type solderless terminals.

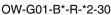
6. The tightening torque of M3 screws used for securing connectors and for terminals is 0.3 to 0.5Nm.

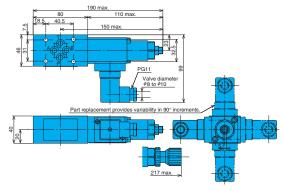


OW-G01-W*-R-*2-30



Note) Pressure is increased by clockwise (rightward) rotation of the adjusting screw, and decreased by counterclockwise (leftward) rotation.







O-ring

O-ring

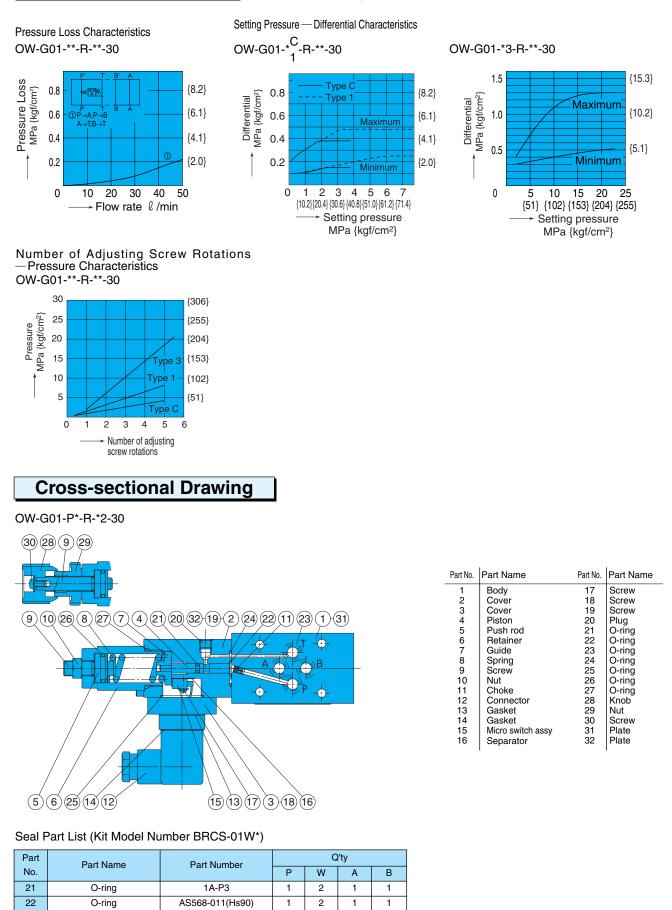
O-ring

O-ring

O-ring

Note) Specify P, W, A, or B for the asterisk (*) in the kit model number

Hydraulic Operating Fluid Viscosity 32mm²/s



1B-P9

AS568-019(Hs70)

AS568-022(Hs70)

1A-P15

1B-P22

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