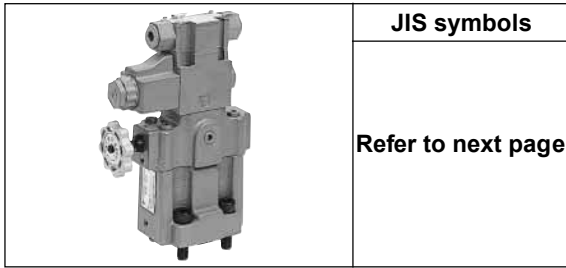


# Relief valves with a solenoid valve



JIS symbols

Refer to next page

## Features

- Low noise models with high characteristics against noise.
- The switching of the solenoid operated valve enables the circuit unloading, dual pressure control and triple pressure control.
- The broad flow rate range enables the steady pressure control. This valve will have a function of an unloading valve, if a vent port is used.
- Option for high vent type is available.

## Nomenclature

\* - **JRSS** - **G** \*\* - \* \* - \* \* \* \* - **50** - \* \* - \*

1 2 3 4 5 6 7 8 9 10 11 12 13 14

### (1) Nomenclature of applied fluid

No mark : Working oil with petroleum contents  
 H : Working oil with water/glycol  
 F : Working oil with phosphoric acid ester

### (2) Model No.

JRSS : J series relief valve with solenoid operated valve  
 (Low noise type)

### (3) Connections

G : Gasket attached type

### (4) Nominal diameter

03 : 3/8  
 06 : 3/4

### (5) Pressure adjusting range

1 : \*~7MPa {\*~70kgf/cm<sup>2</sup>}  
 2 : \*~16MPa {\*~160kgf/cm<sup>2</sup>}  
 3 : \*~25MPa {\*~250kgf/cm<sup>2</sup>}

### (6) Vent mark

No mark : Low vent type  
 V : High vent type

### (7) Circuit mark

A : Single pressure control  
 (On-load at demagnetizing, Normal closed type)  
 B : Single pressure control  
 (Unload at demagnetizing, Normal open type)  
 C : Dual pressure control  
 (High pressure at demagnetizing)  
 D : Dual pressure control  
 (Low pressure at demagnetizing)  
 E : Dual pressure control (Unload at demagnetizing)  
 F : Triple pressure control

### (8) Max. adjusting pressureI(MRV valve, adjusting toward right)

<It is applied when the circuit mark is C, D, E or F>  
 1 : 7MPa {70kgf/cm<sup>2</sup>}  
 2 : 16MPa {160kgf/cm<sup>2</sup>}  
 3 : 25MPa {250kgf/cm<sup>2</sup>}

### (9) Max. adjusting pressureII (MRV valve, adjusting toward left)

<It is applied when the circuit mark is just F>  
 1 : 7MPa {70kgf/cm<sup>2</sup>}  
 2 : 16MPa {160kgf/cm<sup>2</sup>}  
 3 : 25MPa {250kgf/cm<sup>2</sup>}

### (10) Solenoid operated valve's voltage mark

A : AC100V (50/60Hz), AC110V (60Hz)  
 B : AC200V (50/60Hz), AC220V (60Hz)  
 P : DC24V

### (11) Design number (design number is subject to change)

### (12) Option mark

No mark : Pressure adjusting handle type  
 F : Screw adjusting type with a cap  
 T : Pressure adjusting bolt type

### (13) Drain mark

No mark : Internal drain type  
 X : Internal drain type ★1

### (14) Pilot solenoid operated valve option mark ★1

Refer to the option mark table on page 29.

Note) ★1 The drain mark is "X" when the pilot solenoid operated valve's option is equipped with earth terminal (mark; E, EN, ENR etc.) in internal drain type.

## Specification

Model code	Nom. Dia.	Pressure adjusting range ★2 MPa {kgf/cm <sup>2</sup> }	Max. flow rate L/min	Max. switching frequency Cycle/min
JRSS-G03-1-****-50	3/8	*~7 {*~70}	200	120
JRSS-G03-2-****-50		*~16 {*~160}		
JRSS-G03-3-****-50		*~25 {*~250}		
JRSS-G06-1-****-50	3/4	*~7 {*~70}	300	
JRSS-G06-2-****-50		*~16 {*~160}		
JRSS-G06-3-****-50		*~25 {*~250}		

Note) ★2 As the min. adjusting pressure differs from flow rate to flow rate, you might contact us separately.

Refer to KSO-G02 (page 29) for the specification of solenoid operated valve.

## (7) : JIS hydraulic symbols

Circuit mark	A		B		C		D		E			F		
JIS hydraulic symbols														
Model of solenoid operated valve * Voltage mark	KSO-G02-3A * -30-66H		KSO-G02-3A * -30-T66		KSO-G02-2A * -30-H2		KSO-G02-2A * -30-M		KSO-G02-66C * -30			KSO-G02-2C * -30		
Model of MRV valve	—		—		MRV-S2-* -10		MRV-S2-* -10		MRV-S2-* -10			MRV-W1-** -10		
Solenoid valve in excited state	SOL.a	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
	SOL.b	—	—	—	—	—	—	—	—	OFF	OFF	ON	OFF	OFF
Working state	Set pressure (Below)	Unload	Unload	Set pressure (Below)	Set pressure (Below)	Set pressure (Right)	Set pressure (Right)	Set pressure (Below)	Unload	Set pressure (Below)	Set pressure (Right)	Set pressure (Below)	Set pressure (Left)	Set pressure (Right)

Note) "Below", "Right" and "Left" in above table stand for the handle position of pressure adjusting in the exterior dimension's drawing.

"Below": Main valve's pressure adjusting handle

"Right" : MRV valve's pressure adjusting handle (applied for dual or triple pressure control)

"Left" : MRV valve's pressure adjusting handle (applied only for triple pressure control)

## Weight

Model code	Nom. Dia.	Weight kg	Model code	Nom. Dia.	Weight kg
JRSS-G03-**-A	3/8	6.4	JRSS-G06-**-A	3/4	7.5
JRSS-G03-**-B			JRSS-G06-**-B		
JRSS-G03-**-C		7.9	JRSS-G06-**-C		9
JRSS-G03-**-D			JRSS-G06-**-D		
JRSS-G03-**-E		8.2	JRSS-G06-**-E		9.3
JRSS-G03-**-F		8.8	JRSS-G06-**-F		9.9