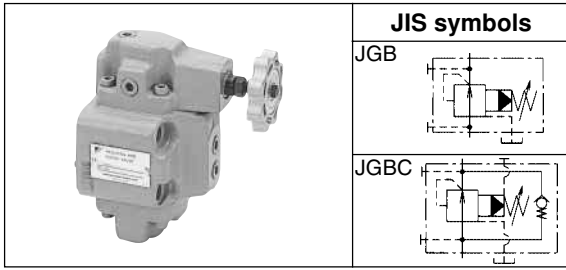


# Reducing valve/Reducing valve with check valve



## Features

- Used when pressure in a partial oil circuit is set lower than a main circuit.
- Even if the primary main circuit varies, the secondary pressure can be kept constant.
- If a remote control relief valve is connected to a vent port, the branch circuit pressure can be controlled.

## Nomenclature

\* - **JGB** \* - \* \*\* - \* - \*\*

1      2    3      4    5      6      7

### (1) Nomenclature of applied fluid

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

### (2) Model No.

JGB : J series reducing valve

### (3) Check valve mark

No mark : Without check valve  
C : With check valve

### (4) Connections

G : Gasket attached type  
T : Screw connection type  
F : Flange connection type

### (5) Nominal diameter

03 : 3/8  
06 : 3/4  
10 : 1<sup>1</sup>/<sub>4</sub>  
16 : 2

### (6) Pressure adjusting range

1 : 0.8~7MPa {8~70kgf/cm<sup>2</sup>}  
3 : 3.5~21MPa {35~210kgf/cm<sup>2</sup>}

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

10 : Gasket attached type (G), Screw connection type (T)  
<In case of nominal diameter 03 (3/8)>  
11 : Gasket attached type (G), Screw connection type (T)  
<In case of nominal diameter 06 (3/4), 10 (1<sup>1</sup>/<sub>4</sub>)>  
20 : Flange connection type (F)  
<In case of nominal diameter 06 (3/4), 10 (1<sup>1</sup>/<sub>4</sub>)>  
21 : Flange connection type (F)  
<In case of nominal diameter 16 (2)>

## Specifications (kg)

Model code			Nom. Dia.	Max. operating pressure MPa {kgf/cm <sup>2</sup> }	Pressure adjusting range MPa {kgf/cm <sup>2</sup> }	Max. flow rate L/min	Drain rate L/min
Gasket attached type (G)	Screw connection type (T)	Flange connection type (F)					
JGB(C)-G03-1-10	JGB(C)-T03-1-10	—	3/8	21 {210}	0.8~7 {8~70}	50	0.8~1
JGB(C)-G03-3-10	JGB(C)-T03-3-10	—			3.5~21 {35~210}		
JGB(C)-G06-1-11	JGB(C)-T06-1-11	JGBC-F06-1-20	3/4		0.8~7 {8~70}	120	0.9~1.1
JGB(C)-G06-3-11	JGB(C)-T06-3-11	JGBC-F06-3-20			3.5~21 {35~210}		
JGB(C)-G10-1-11	JGB(C)-T10-1-11	JGBC-F10-1-20	1 <sup>1</sup> / <sub>4</sub>		0.8~7 {8~70}	280	1.2~1.5
JGB(C)-G10-3-11	JGB(C)-T10-3-11	JGBC-F10-3-20			3.5~21 {35~210}		
—	—	JGBC-F16-1-21	2		0.8~7 {8~70}	500	2~2.4
—	—	JGBC-F16-3-21			3.5~21 {35~210}		

## Weight (kg)

Model No.	①	②	Model No.	①	②	Model No.	②
JGB(C)-G03	3.9	4.2	JGB(C)-T03	3.3	3.6	JGBC-F06	6.8
JGB(C)-G06	6.2	6.6	JGB(C)-T06	5.7	6.1	JGBC-F10	13.8
JGB(C)-G10	11.8	13.1	JGB(C)-T10	10	11.3	JGBC-F16	37.7

Note) Weight ① without check valve ② with check valve