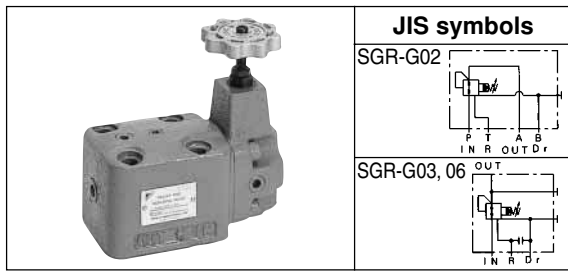


Relief reducing valve (Balancing valve)



Features

- The combination circuit with a reducing valve, a relief valve and check valve controlled a system, but this relief valve gets together all these three valves into one unit and functions as a balancing valve.
- As the pressure variation corresponding to a load flow rate variation is small, the control accuracy increases.
- Pressure can be regulated by the handle.
- As it is a external drain type, the back pressure in the return line doesn't influence the performance.

Nomenclature

* - **SGR** - **G** ** - * - **10**

1 2 3 4 5 6

SGR - **G** **02** - **2** - **10** - **46**

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.

SGR : S series relief reducing valve

(3) Connections

G : Gasket attached type

(4) Nominal diameter

02 : 1/4
03 : 3/8
06 : 3/4

(5) Pressure adjusting range

1 : 0.7~7MPa {7~70kgf/cm²}
2 : 1.2~16MPa {12~160kgf/cm²}

(6) Design number (design number is subject to change)

(7) Management mark

Specifications

Model code	Nom. Dia.	Max. operating pressure MPa {kgf/cm ² }	Pressure adjusting range MPa {kgf/cm ² }	Max. flow rate L/min	Drain rate L/min	Weight kg
SGR-G02-1-10	1/4	10.5 {105}	0.7~7 {7~70}	20	0.6~0.7	2.2
SGR-G02-2-10-46		17.5 {175}	1.2~16 {12~160}			
SGR-G03-1-10	3/8	10.5 {105}	0.7~7 {7~70}	40		0.9~1.3 1.1~1.6
SGR-G06-1-10	3/4	17.5 {175}	0.7~7 {7~70}	100	6.5	
SGR-G06-2-10			1.2~16 {12~160}			