

# Two-Pressure Reducing Modular Valve

Max Operating Pressure 5 Bar to 140 Bar  
Low and High Side



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Features

- When the pressure in part of the circuit is lower than the main circuit, this modular valve controls pressure by switching the low pressure to secondary pressure (high pressure, low pressure).
- Even when pressure changes in the primary main circuit, the reduced secondary pressure is maintained at a constant level.
- Maximum Operating Pressure: 70Bar / 210Bar

Ordering code

OGS - G - 01 - P - 1 - C - K(R) - C1 - 20

Pressure reducing modular valve for two-press setting

Mounting method  
Gasket type

= G

Nominal diameter (size) 01

Control port  
P port

= P

High pressure side pressure adjustment range C, 1, 2 = There is no 11, 2C combination.

Low pressure side pressure adjustment range C, 1 = There is no 11, 2C combination.

Auxiliary symbol  
With handle (standard)  
With indicator light (optional)  
With surgeless type indicator light (Option)

= K  
= R  
= GR

Power supply  
AC110V/50 Hz  
AC200V/50 Hz  
DC12V  
DC24V

= C1  
= C2  
= D1  
= D2

Design number



## Specifications

Model No.	Nominal Diameter (Size)	Max working pressure (bar)	Max flow rate (l/min)	Pressure Adjustment Range Bar		Weight (kg)	Gasket Surface Dimensions
				Low pressure side	High pressure side		
OGS-G01-PCC-K-**-22 P1C	1/8	70	4.0	5 to 35	5 to 35	4.8	ISO 4401-03-02-0-05
P21		210			8 to 70		
				8 to 70	35 to 140		

## Solenoid Specifications

Model No.	Rated Voltage	Starting Current	Holding Current	Holding Power
OGS-G01-P**-K- C1-22	AC100V 50/60HZ	2.2/2.0A	0.52/0.38A	25/22W
C2	AC200V 50/60HZ	1.1/1.0A	0.26/0.19A	25/22W
D1	DC12V	2.2A		26W
D2	DC24V	1.1A		26W

## Handling

- See the Pressure-Flow Rate Characteristics for information about how the flow rate is controlled at low pressures.
- Note that a change in tank port back pressure causes a change in setting pressure.
- Instability occurs when there is a small setting pressure differential between the high pressure and low pressure, so be sure to maintain at least the minimum pressure differentials described below.

C Type:

At least 5 Bar

1, 2 Type:

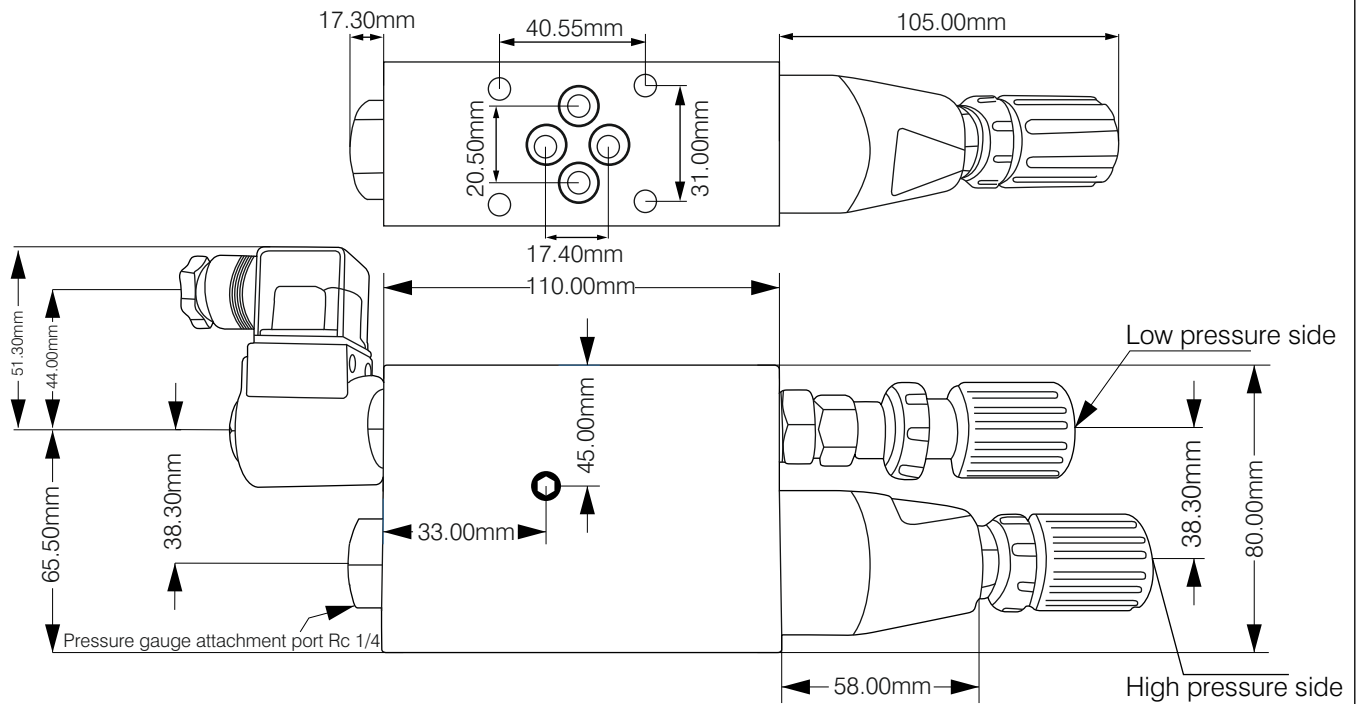
At least 8 Bar

- Vent piping is not possible.
- Note that a sub plate and installation bolts are not included.
- Low pressure is attained when the solenoid is on.
- The coil surface temperature increases if this pump is kept continuously energized. Install the valve so there is no chance of it being touched directly by hand.
- The wiring in the connector is the same as the wet type solenoid valve.



## Installation Dimensions

OGS-G01-P\*C-K(R)-\*\*-22



### Note:

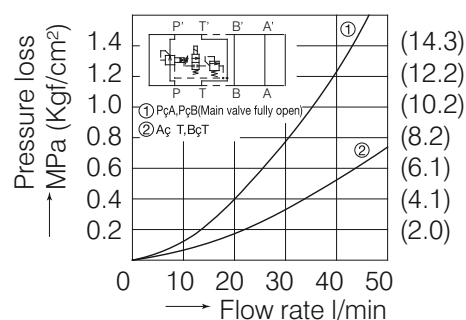
- Dimensions in parentheses apply in the case of a DC solenoid.
- Pressure is increased by clockwise (rightward) rotation of the adjusting handle, and decreased by counterclockwise (leftward) rotation.



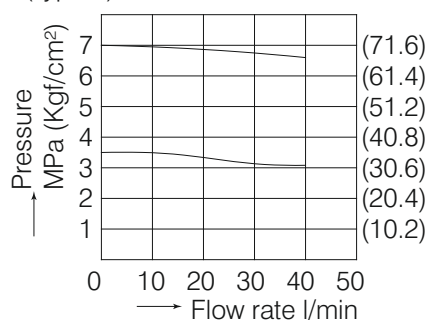
## Performance curves

- Hydraulic Operating Fluid Kinematic Viscosity 32mm<sup>2</sup>/s

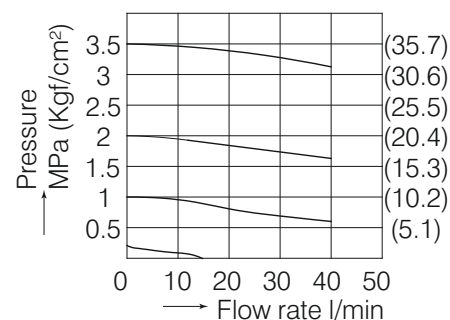
Pressure Loss Characteristics  
OGS-G01-PIC-K-\*\*-22



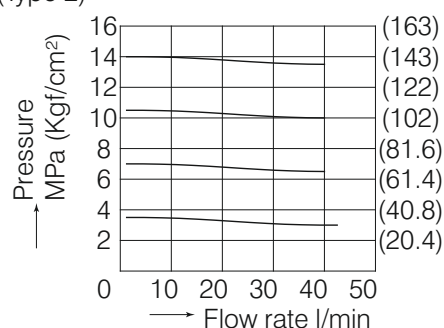
Pressure-Flow Rate Characteristics  
OGS-G01-PIC-K-\*\*-22  
(Type 1)



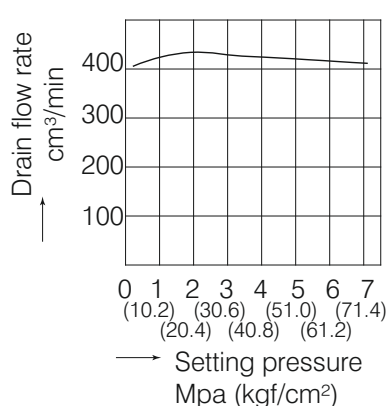
OGS-G01-PIC-K-\*\*-22  
(Type C)



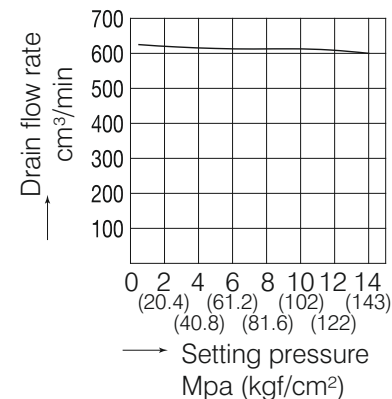
Pressure Flow Rate Characteristics  
OGS-G01-P21-K-\*\*-22  
(Type 2)



Pressure Drain Rate Characteristics  
OGS-G01-PIC-K-\*\*-22



Pressure Drain Rate Characteristics  
OGS-G01-P21-K-\*\*-22



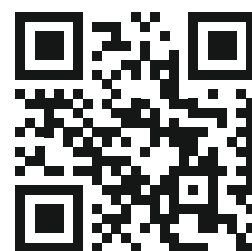


The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.



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