

Two-Pressure Reducing Modular Valve

10.5 gpm
29 to 2030 psi

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: 1000, 3625 psi

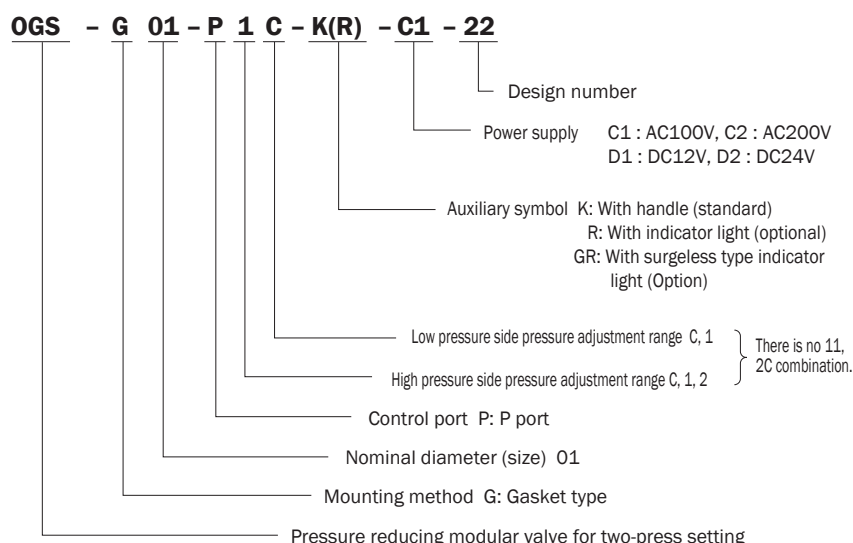
Specifications

Model No.	Nominal Diameter (Size)	Maximum Working Pressure psi	Maximum Flow Rate gpm	Pressure Adjustment Range psi		Weight lbs	Gasket Surface Dimensions
				Low pressure side	High pressure side		
OGS-G01-PCC-K-**-22 P1C	1/8	1000	10.5	29 to 500	29 to 5000 115 to 1000	10.5	ISO 4401-03-02-0-94
P21		3625		115 to 1000	500 to 2030		

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

Understanding Model Numbers

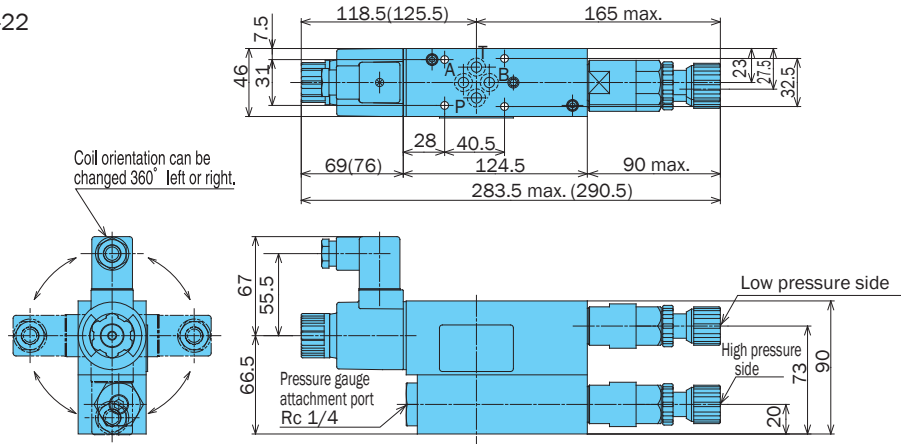


• Handling

- 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 43 psi
1, 2 Type:
At least 72 psi
- Vent piping is not possible.
- Note that a sub plate and installation bolts are not included. See pages H4 and F87-89 if these items are required.
- 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 SA series wet type solenoid valve. (See page D-22)

Installation Dimension Drawings

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

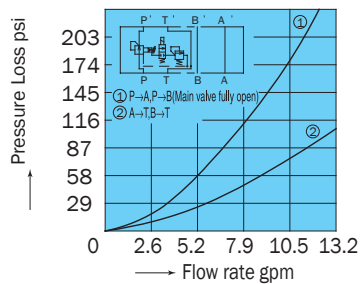


Performance Curves

Hydraulic Operating Fluid Viscosity 32 centistokes

Pressure Loss Characteristics

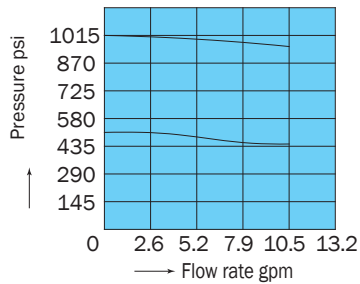
OGS-G01-PIC-K-**-22



Pressure - Flow Rate Characteristics

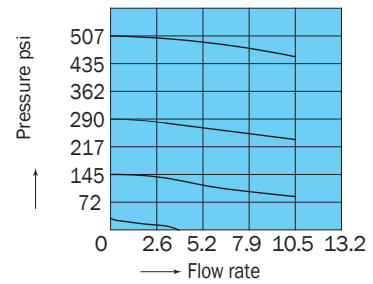
OGS-G01-PIC-K-**-22

(Type 1)



OGS-G01-P*C-K-**-22

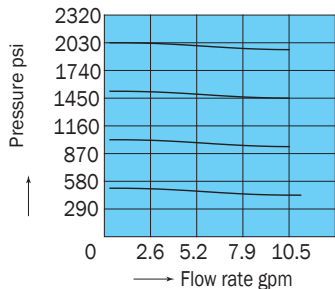
(Type C)



Pressure - Flow Rate Characteristics

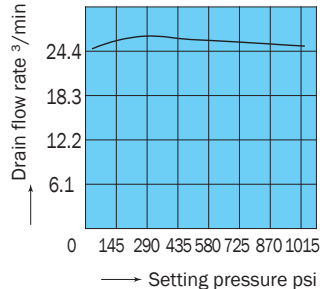
OGS-G01-P21-K-**-22

(Type 2)



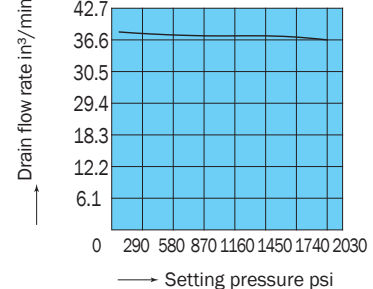
Pressure - Drain Rate Characteristics

OGS-G01-PIC-K-**-22



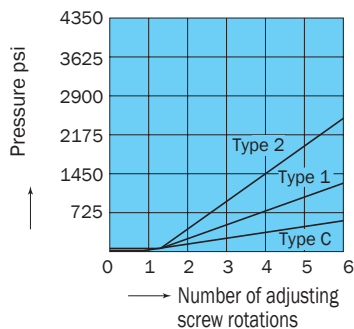
Pressure - Drain Rate Characteristics

OGS-G01-P21-K-**-22



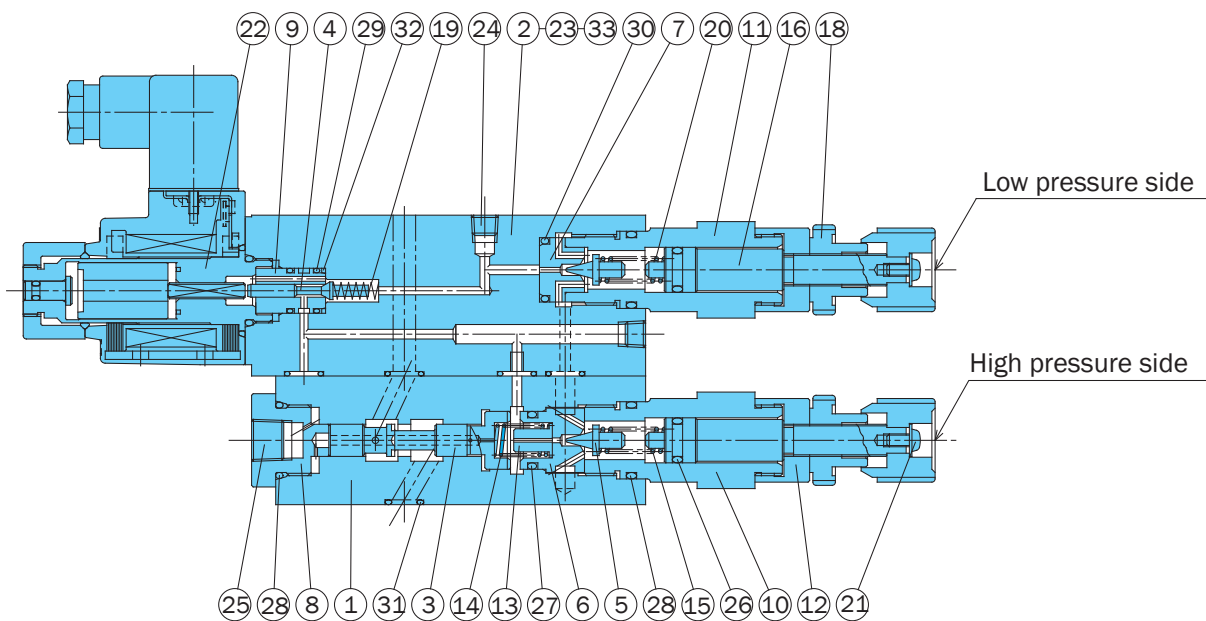
Number of Adjusting Screw Rotations Pressure Characteristics

OGS-G01-P**-22



Cross-sectional Drawing

OGS-G01-P*C-K(R)-**1-22



Seal Part List (Kit Model Number BRBS-01GSP-1A)

Part No.	Part Name	Part Number	Q'ty
26	O-ring	1A-P10A	2
27	O-ring	1B-P14	1
28	O-ring	1B-P20	3
29	O-ring	AS568-013(Hs90)	2
30	O-ring	1B-P16	1
31	O-ring	1B-P9	11
32	Backup ring	For AS568-013	1

Note: 1.O-ring 1A/B-** refers to JIS B2401-1A/B.

Part No.	Part Name	Part No.	Part Name
1	Body	18	Nut
2	Body	19	Spring
3	Spool	20	Spring
4	Spool	21	Screw
5	Poppet	22	Solenoid assy
6	Seat	23	Screw
7	Seat	24	Plug
8	Bushing	25	Plug
9	Sleeve	26	O-ring
10	Retainer	27	O-ring
11	Retainer	28	O-ring
12	Bushing	29	O-ring
13	Choke	30	O-ring
14	Spring	31	O-ring
15	Spring	32	Backup ring
16	Screw	33	Plate
17	Knob		