



Balanced Piston Type Pressure Reducing Modular Valve

10.5 gpm
21 to 3625 psi

Features

This modular valve makes the pressure in part of the circuit lower than the main circuit. Even when pressure changes in the primary main circuit, the reduced

secondary pressure is maintained at a constant level. Compared with the direct type, this type of valve has outstanding

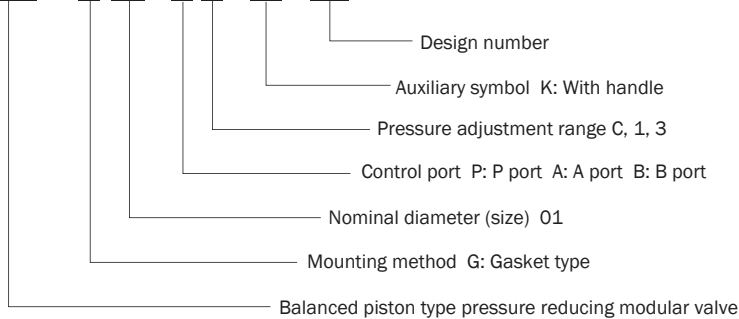
Pressure-Flow Rate Characteristics, and a superior flow rate in the low pressure control range. Maximum operating pressure: 3625 psi.

Specifications

Model No.	Nominal Diameter (Size)	Maximum Working Pressure psi	Maximum Flow Rate gpm	Pressure Adjustment Range psi	Weight lbs	Gasket Surface Dimensions
OGB-G01-PC-20 P1 P3	1/8	3625	10.5	21 to 500	4.1	ISO 4401-03-02-0-94
115 to 1000						
500 to 3000						
OGB-G01-AC-20 A1 A3				21 to 500	4.1	
				115 to 1000		
				500 to 3000		
OGB-G01-BC-20 B1 B3				21 to 500	4.1	
				115 to 1000		
				500 to 3000		

Understanding Model Numbers

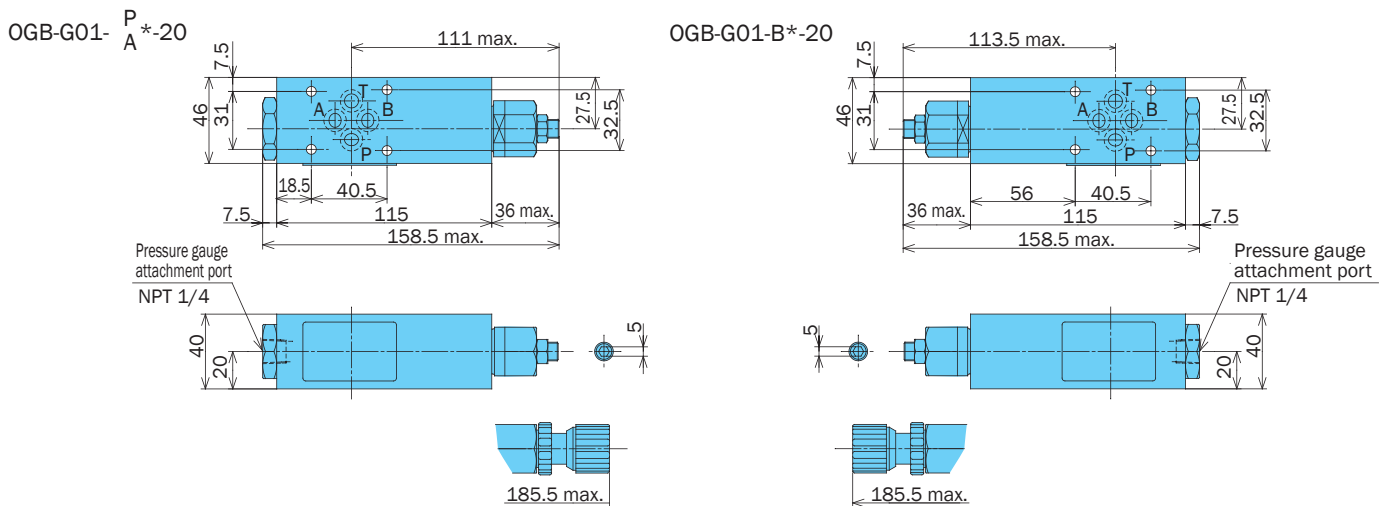
OGB - G 01 - P 1 - (K) - 20



- Handling
- 1 See the Pressure-Flow Rate Characteristics for information about how the flow rate is controlled at low pressures.
 - 2 Note that a change in tank port back pressure causes a change in setting pressure.
 - 3 Vent piping is not possible.
 - 4 Note that a sub plate and installation bolts are not included. See pages H4 and F87-89 if these items are required.

Installation Dimension Drawings

Note: Pressure is increased by clockwise (rightward) rotation of the adjusting screw (bolt), and decreased by counterclockwise (leftward) rotation.

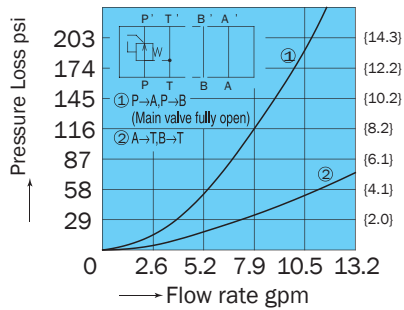


Performance Curves

Hydraulic Operating Fluid Viscosity 32 centistokes

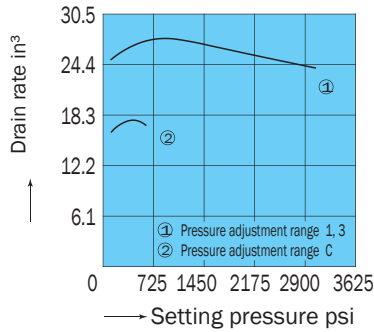
Pressure Loss Characteristics

OGB-G01-P*-20



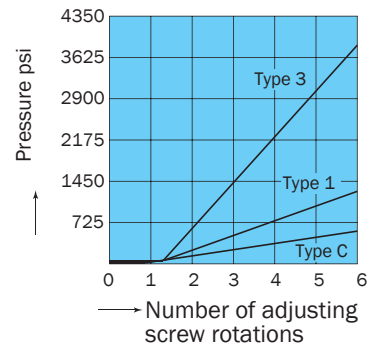
Pressure - Drain Rate Characteristics

OGB-G01-**-20



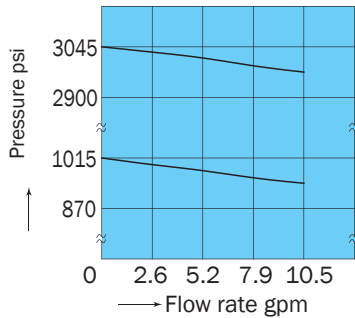
Number of Adjusting Screw Rotations - Pressure Characteristics

OGB-G01-P*-20

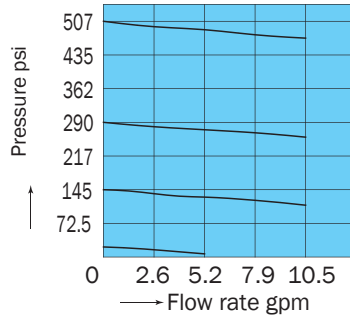


Pressure - Flow Rate Characteristics

OGB-G01-* $\frac{1}{3}$ -20

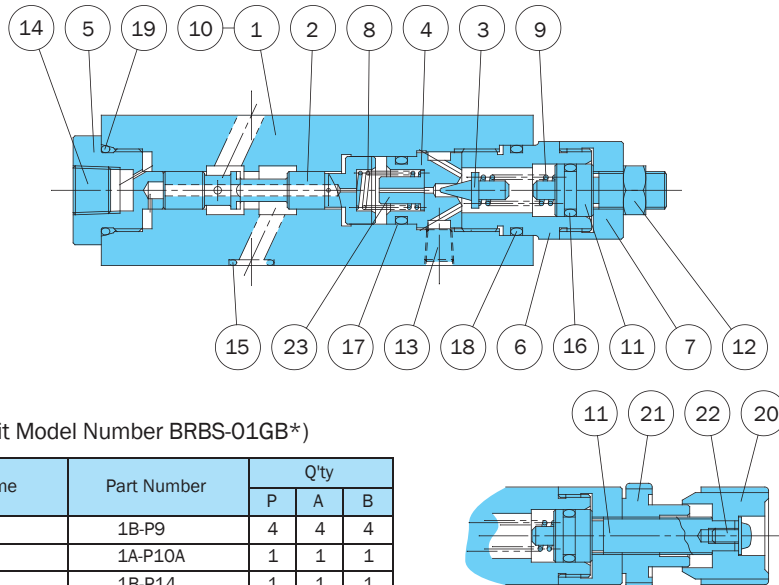


OGB-G01-*C-20



Cross-sectional Drawing

OGB-G01-P*-20



Seal Part List (Kit Model Number BRBS-01GB*)

Part No.	Part Name	Part Number	Q'ty		
			P	A	B
15	O-ring	1B-P9	4	4	4
16	O-ring	1A-P10A	1	1	1
17	O-ring	1B-P14	1	1	1
18	O-ring	1B-P20	1	1	1
19	O-ring	1B-P20	1	1	1

Note: 1. O-ring 1A/B-** refers to JIS B2401-1A/B.
2. Specify P, A, or B for the asterisk (*) in the kit model number.

Part No.	Part Name
1	Body
2	Spool
3	Poppet
4	Seat
5	Bushing
6	Retainer
7	Bushing
8	Spring
9	Spring
10	Plate
11	Screw
12	Nut
13	Plug
14	Plug
15	O-ring
16	O-ring
17	O-ring
18	O-ring
19	O-ring
20	Knob
21	Nut
22	Screw
23	Choke