

Modular Type Electro-Hydraulic Proportional Reducing Valve

7.9 gpm
43.5 to 2030 psi

Features

This valve incorporates the ease-of-use principles of the modular valve into an electro-hydraulic proportional reducing valve to provide reduction

control of hydraulic system pressure in proportion to **input current**. This valve is perfect for a small-scale hydraulic system, such as those used

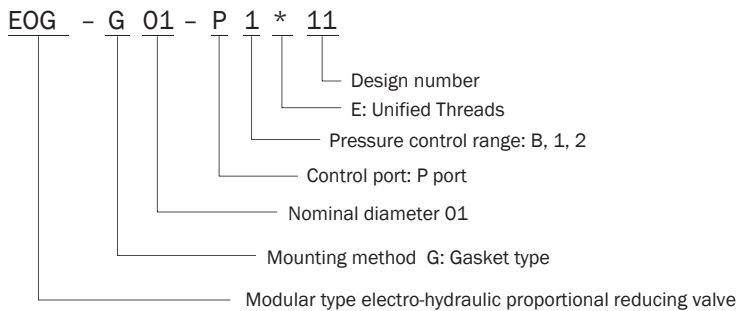
for continuous proportional control of lathe chuck pressure. A relief function ensures outstanding pressure response characteristics.

Specifications

Item	Model No.	EOG-G01-P*-11
Maximum Operating Pressure psi		3625
Maximum Flow Rate gpm		7.9
Pressure Control Range psi		B: 43.5 to 362 1: 58 to 1000 2: 87 to 2000
T Port Allowable Back Pressure psi		362
Rated Current mA		850
Coil Resistance Ω		20 (68° F)
Hysteresis %		3 max. (Note 1)
Weight lbs		7.9

Note: Value when a Nachi-Fujikoshi special amplifier is used (with dithering).

Understanding Model Numbers

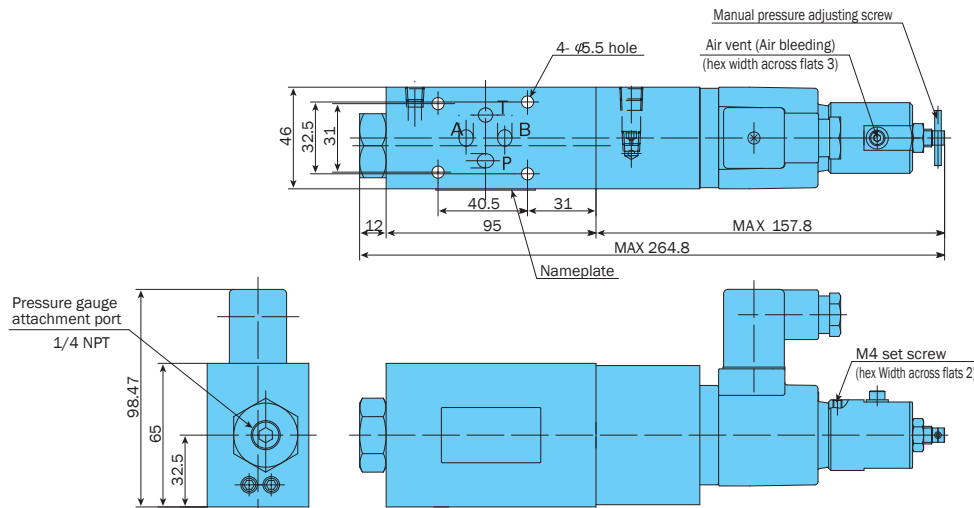


• Handling

- Air Bleeding**
To enable proper pressure control, loosen the air vent when starting up the pump in order to bleed any air from the pump, and fill the inside of the solenoid with hydraulic operating fluid.
- Manual Pressure Adjusting Screw**
For the initial adjustment or when there is no input current to the valve due to an electrical problem or some other reason, valve pressure can be increased by rotating the manual adjustment screw clockwise (rightward). Normally, the manual adjusting screw should be rotated back fully to the left (counterclockwise) and secured with the lock nut.
- Minimum Control Pressure**
Since this valve has an internal drain system, T port back pressure has an effect on minimum control pressure.
- Load Capacity**
Make load capacity (valve OUT side capacity) at least .13 gpm.
- Use an operating fluid that conforms to the both of the following.**
Oil temperature: -4 to 158 °F
Viscosity: 12 to 400 centistokes
The recommended viscosity range is 15 to 60 centistokes.

Installation Dimension Drawings

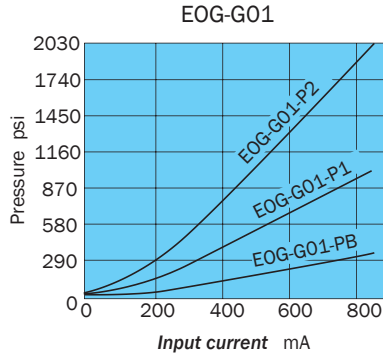
EOG-G01-P*-E11



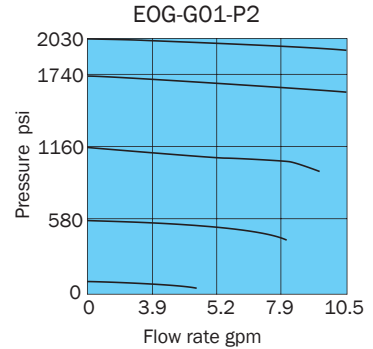
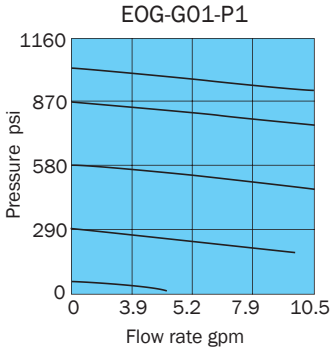
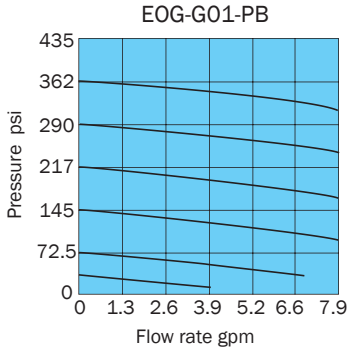
Performance Curves

Hydraulic Operating Fluid Viscosity 32 centistokes

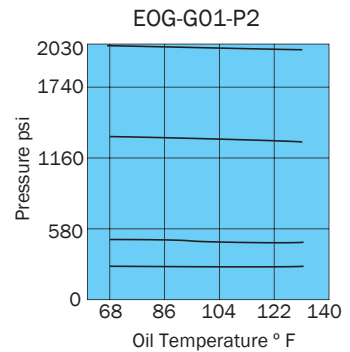
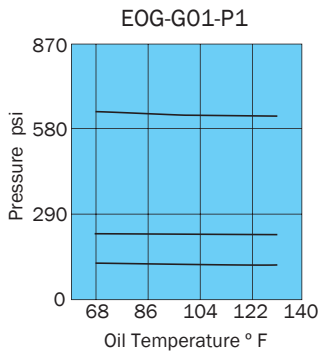
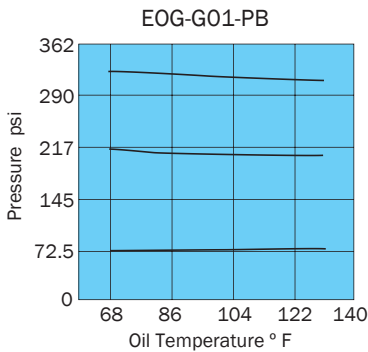
Input Current - Pressure Characteristics



Flow Rate - Pressure Characteristics

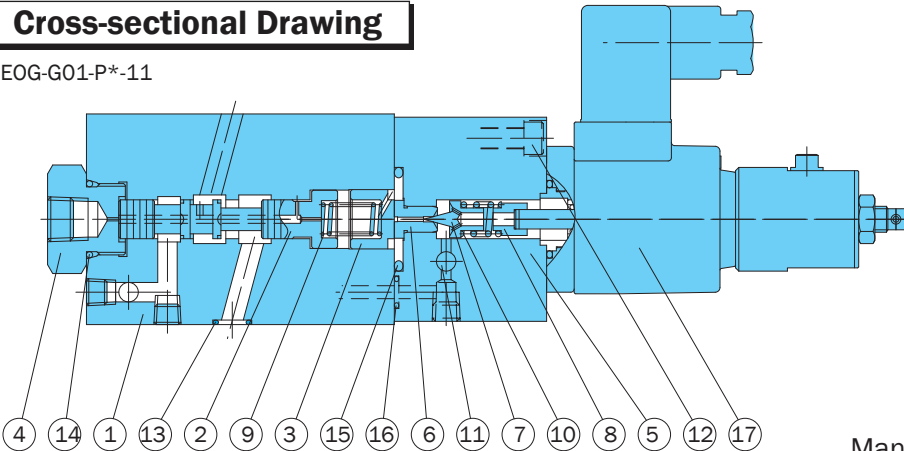


Fluid Temperature Characteristics



Cross-sectional Drawing

EOG-G01-P*-11



Part No.	Part Name	Part No.	Part Name
1	Body	10	Spring
2	Spool	11	Choke
3	Retainer	12	Screw
4	Plug	13	O-ring
5	Cover	14	O-ring
6	Seat	15	O-ring
7	Poppet	16	O-ring
8	Retainer	17	Proportional solenoid
9	Spring		

Note: Coil model number JD64-D2

Seal Part List (Kit Model Number JBS-G01)

Part No.	Part Name	Part Number	Q'ty
13	O-ring	1B-P9	4
14	O-ring	1B-P20	1
15	O-ring	1B-P26	1
16	O-ring	1B-P7	1

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

Manual adjustment section

