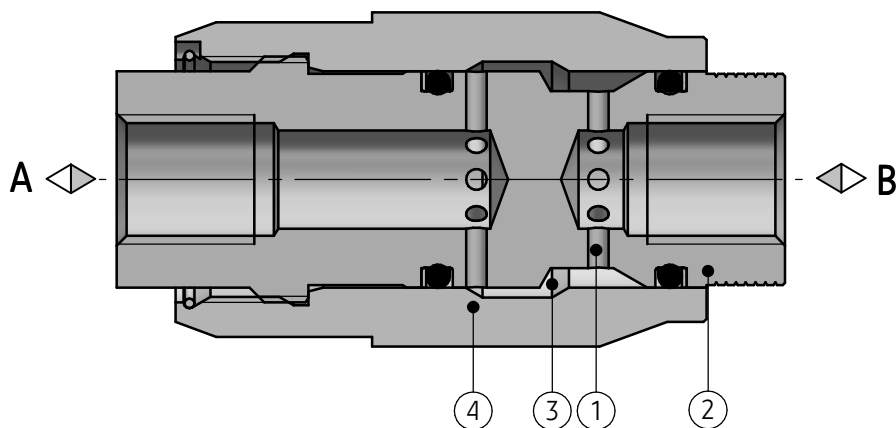


APPLICATION

Throttle valves type MG serve to regulate (restrict) the fluid flow, which depends on the pressure drop at the throttle position and the fluid viscosity. The valves may be used in hydraulic systems, when working resistance is constant or change in speed at changing load is of no importance. The valves are for direct in-line mounting in any position by means of couplings.



DESCRIPTION OF OPERATION



Fluid gets at the throttle point 3 formed between the housing and the adjustable sleeve 4 through side bores 1 in the housing 2. By rotating the sleeve, the circular

section at the throttle point may be steplessly changed. The valve throttles in both directions.

Caution:

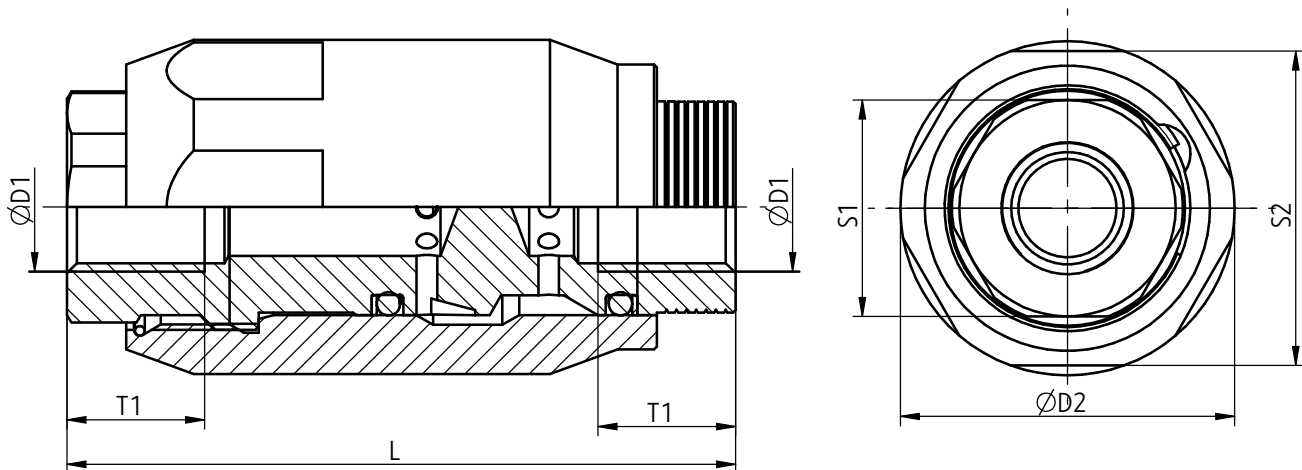
The valve install in hydraulic system to take hold on hexagon of housing item 2.

It isn't to allow for turn up the valve by nut item 4. Do not adjust under pressure.

TECHNICAL DATA

Hydraulic fluid	Mineral oil
Filtration	up to 16 µm
Recommended filtration	up to 10 µm
Nominal fluid viscosity	37 mm ² /s at the temperature of 55 °C
Viscosity range	2,8 to 380 mm ² /s
Optimum working temperature (fluid in a tank)	40 °C - 55 °C
Fluid temperature range	- 20 °C - +70 °C
Maximum operating pressure	31,5 MPa

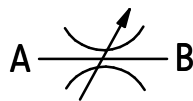
OVERALL DIMENSIONS



Size	ØD1	ØD2	L	S1	S2	T1	Weight [kg]
6	G1/4	34	68	22	32	14	0,3
8	G3/8	38	66	24	36	12,5	0,4
10	G1/2	48	80	30	46	14	0,7
15	G3/4	58	97	36	55	16	1,1
20	G1	72	113	46	70	18	1,9
25	G1 1/4	87	129	55	85	20	3,2
30	G1 1/2	93	145	60	90	22	4,1

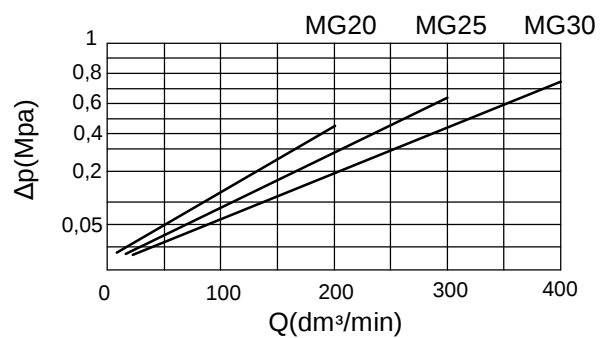
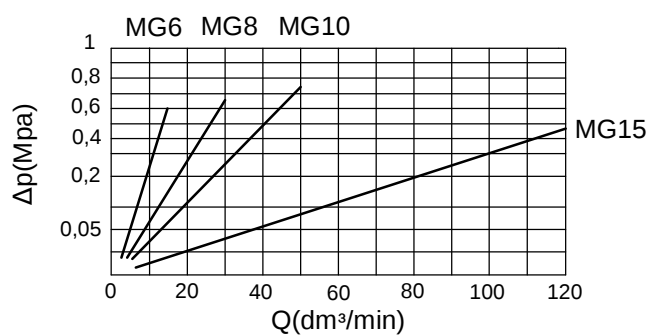
SCHEMES

Graphical symbol



PERFORMANCE CURVES

measured at $v = 41 \text{ mm}^2/\text{s}$ and $t = 50^\circ\text{C}$



HOW TO ORDER

Orders coded in the way showed below should be forwarded to the manufacturer.

MG		G			★
Nominal size Size 6 = 6 Size 8 = 8 Size 10 = 10 Size 15 = 15 Size 20 = 20 Size 25 = 25 Size 30 = 30					
Mounting Direct in-line mounting = G					
Series number (10-19) - installation and connection dimensions remain unchanged = 1X series 15 = 15					
Sealing NBR (for fluids on mineral oil base) = no code FPM (for fluids on phosphate ester base) = V					
Further requirements in clear text (to be agreed upon with the manufacturer)					

UWAGI:

Throttle valve should be ordered according to the above coding.

The symbols in bold are the preferred versions available in short delivery time.

Coding example : MG 10 G 15

PONAR Wadowice S.A.
 ul. Wojska Polskiego 29
 34-100 Wadowice
 tel. +48 33 488 29 00
 fax. +48 33 488 21 03
www.ponar-wadowice.pl

