



# THROTTLE VALVE TYPE MG

**WK  
450 372**

**Size 6 through 30**

**up to 31.5 MPa**

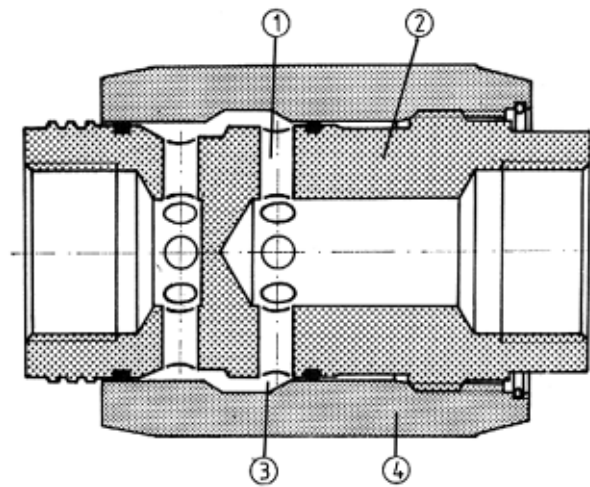
04.1999r.

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



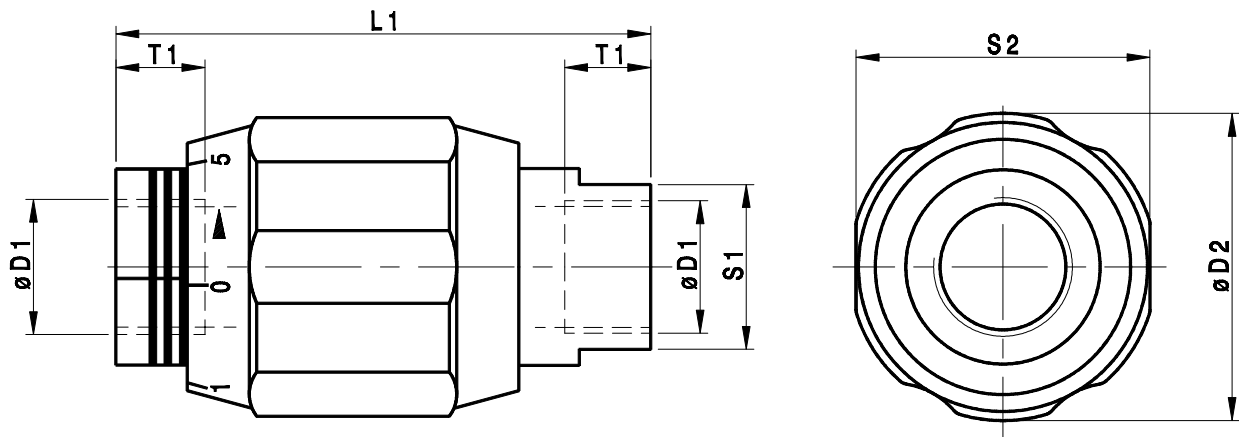
Fluid gets at the throttle point 3 formed between the housing and the adjustable sleeve 4 through side bores 1 in the housing 2. By rotating the sleeve, the circular section at the throttle point may be steplessly changed. The valve throttles in both directions.

**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

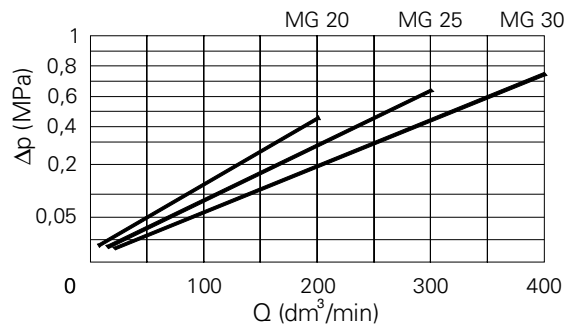
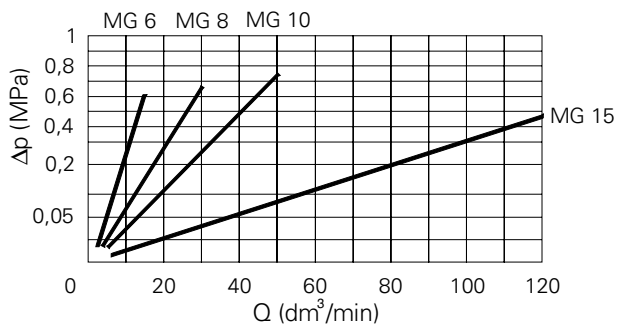
Hydraulic fluid	Mineral oil or phosphate ester
Nominal fluid viscosity	37 mm <sup>2</sup> /s at the temperature of 328 K
Viscosity range	2.8 to 380 mm <sup>2</sup> /s
Optimum working temperature ( fluid in a tank )	313 - 328 K
Fluid temperature range	243 - 343 K
Maximum operating pressure	31.5 MPa

# OVERALL DIMENSIONS



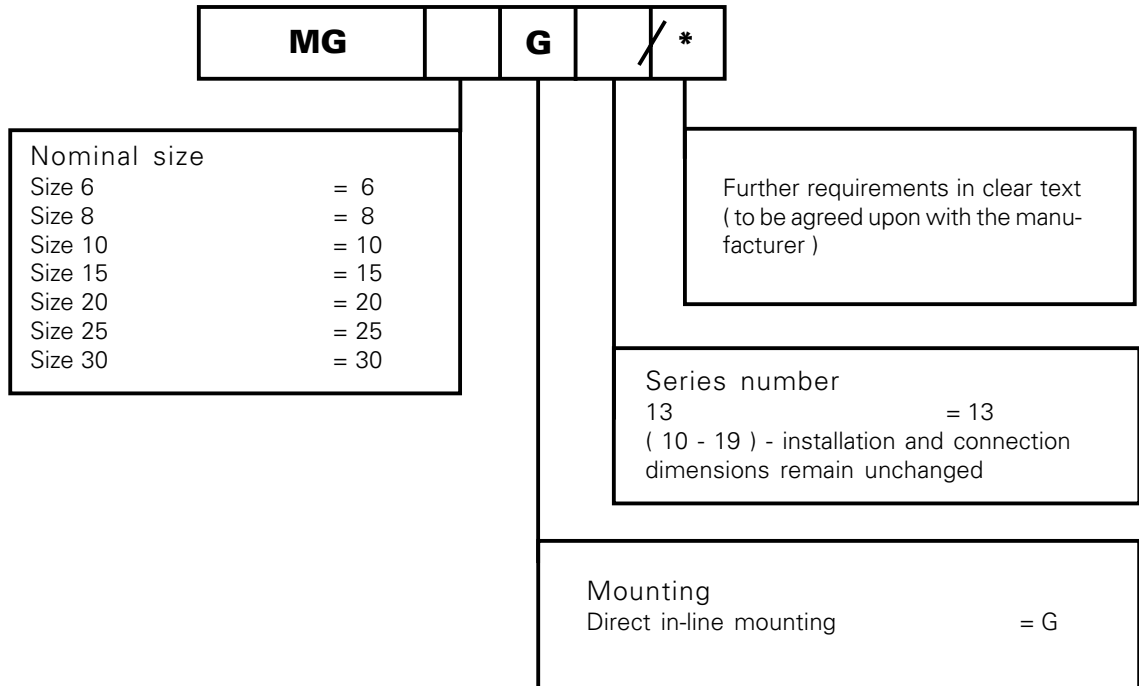
Size	D1	D2	L1	S1	S2	T1	Weight
6	G 1/4	34	65	22	32	12	0,3 kg
8	G 3/8	38	65	24	36	12	0,4 kg
10	G 1/2	48	80	30	46	14	0,7 kg
15	G 3/4	58	100	41	55	16	1,1 kg
20	G1	72	110	46	70	18	1,9 kg
25	G1 1/4	87	130	55	85	20	3,2 kg
30	G1 1/2	93	150	60	80	22	4,1 kg

## PERFORMANCE CURVES, measured at $v = 41 \text{ mm}^2/\text{s}$ and $T = 323 \text{ K}$



# HOW TO ORDER

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



Coding example : MG 6 G 13

NOTES :



**Q-HYDRAULIKA, Rakovník**  
Rabasova 2281, 269 01 Rakovník, tel./fax: 313 514 718  
e-mail: [info@q-hydraulika.cz](mailto:info@q-hydraulika.cz), [www.q-hydraulika.cz](http://www.q-hydraulika.cz)