

Throttle and throttle check valve type MG/MK

Sizes 6 to 30 up to 31.5MPa up to 400 L/min

Feature:

- Suitable for direct in-line mounting
- Pressure and viscosity dependent



Functional description, section

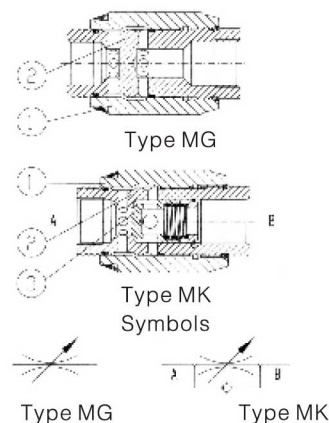
Valve types MG and MK are pressure and viscosity dependent throttle and throttle check valves.

Type MK (throttle check valve)

With flow passing through the valve in throttling direction, the spring and the fluid presses the poppet onto its seat, thus blocking the flow. Fluid flow via the side drillings to the throttling point, which is formed between the housing (2) and the adjustable sleeve (1). In the opposite direction, fluid pressure acts on the face of the poppet, thus lifting it from its seat and allowing fluid to flow freely, unthrottled, through the valve. At the same time, part of the fluid flowing through the annular clearance produces the desired self-cleaning effect.

Type MG (throttle valve)

This valve throttles in both flow directions. Fluid flow through side drillings to the throttling point. This is formed between the housing (2) and adjustable sleeve (1). The throttle cross-section may be steplessly varied by rotating the adjustable sleeve (1).



Ordering details

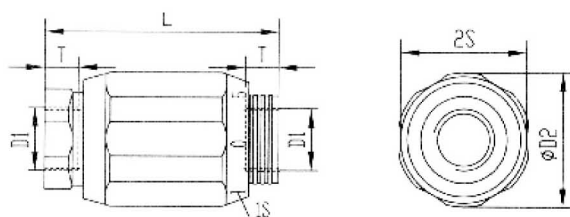
		G	1.2	/	/		
Throttle valve = MG						Further details in clear text	
Throttle check valve = MK						No code = Mineral oil V = Phosphate ester	
Size						No code = Inch 2 = Metric	
Nominal size 6	= 6					1.2 = Series 1.2	
Nominal size 8	= 8					1.0 to 1.9: unchanged installation and connection dimensions	
Nominal size 10	= 10						
Nominal size 15	= 15						
Nominal size 20	= 20						
Nominal size 25	= 25						
Nominal size 30	= 30						
						G = For threaded connections	

Technical data

Size		6	8	10	15	20	25	30
Maximum flow	L/min	15	30	50	140	200	300	400
Pressure	MPa	~ 31.5						
Pressure fluid		Mineral oil or Phosphate ester						
Viscosity range	mm ² /s	10 ~ 800						
Temperature range	°C	-30 ~ +80						
Cracking pressure	MPa	0.05 (type MK)						

Unit Dimensions

Dimensions in mm



Size	D1		ØD2	L	1S	2S	T	Weight
6	M14x1.5	G1/4"	34	65	22	32	12	0.3
8	M18x1.5	G3/8"	38	65	24	36	12	0.4
10	M22x1.5	G1/2"	48	80	30	46	14	0.7
15	M27x2	G3/4"	58	100	41	55	16	1.1
20	M33x2	G1"	72	110	46	70	18	1.9
25	M42x2	G1 1/4"	87	130	55	85	20	3.2
30	M48x2	G1 1/2"	93	150	60	90	22	4.1