

HSLH

Throttle and throttle check valve types MG/MK

海士乐

Sizes 6 to 32

up to 31.5 MPa

up to 400 L/min

Valve types MG and Mk are throttle and throttle check valves in relation to fluid pressure and viscosity.

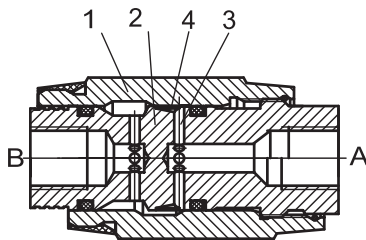
Type MG (throttle valve)

This valve throttles in bi-directions. Fluid flows through side hole (3) to the throttling orifice (4) formed between the valve body (2) and the adjustable sleeve (1). The cross-section of throttling orifice (4) may be steplessly varied by rotating the sleeve (1).

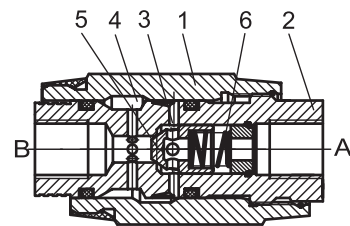
Type MK (throttle check valve)

In throttling direction, the spring (6) and the fluid presses the poppet (5) onto its seat, check valve is blocked. Fluid flows via the side hole (3) to the throttling orifice(4), formed between the valve body(2) and the adjustable sleeve (1).

In the opposite direction, fluid pressure acts on the face of the poppet (5), check valve is opened and fluid flows freely. At the same time, part of the fluid flowing through the annular groove gets self-clearance as the desired effect.



B — A
MG version



B — A
MK version

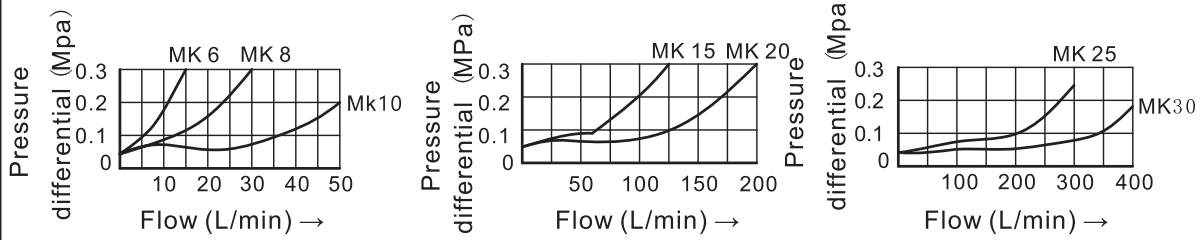
		G	1	2	/		
Throttle valve	=MG						No code = NBR seals
Throttle check valve	=MK						V = FPM seals
Nominal size 6	=6						Threaded connection
Nominal size 8	=8						No code= Inch thread
Nominal size 10	=10						2 = Metric thread
Nominal size 15	=15						1.2 = 1.2 series
Nominal size 20	=20						
Nominal size 25	=25						
Nominal size 30	=30						
		G =					Threaded connection

Max. operating pressure	31.5MPa
Cracking pressure for type MK	0.05MPa
Max. flow-rate	400L/min
Fluid	Mineral oil; Phosphate ester
Fluid temperature range	-30 °C to +80 °C
Viscosity range	10 to 800 mm ² /s

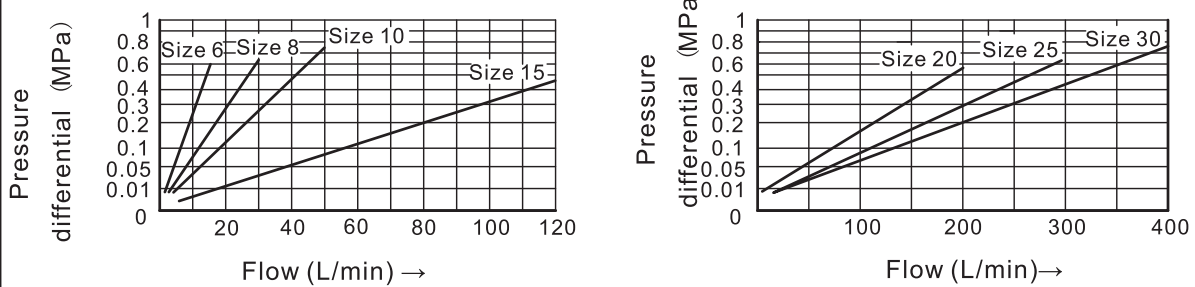
Fixing position		Optional						
Degree of contamination	Maximum permissible degree of fluid contamination: Class 9. NAS 1638 or 20/18/15, ISO4406							
Size		6	8	10	15	20	25	30
Weight kg		0.3	0.4	0.7	1.3	2.2	3.6	4.5

Characteristic curves (Measured at $t=40^{\circ}\text{C}\pm 5^{\circ}\text{C}$, using HLP46)

Δ P-Q curves via check valve, with closed throttle (type MK)

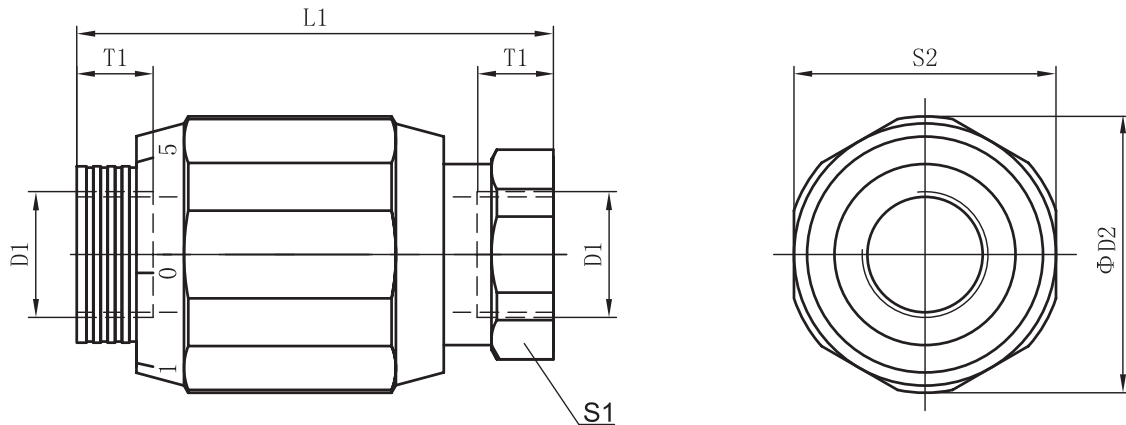


Δ P-Q curves via open throttle (type MG and MK)



Unit dimensions (MK and MG are the same)

(Dimensions in mm)



Size	D1		D2	L1	S1	S2	T1
	Inch thread	Metric thread					
6	G1/4	M14×1.5	34	65	22	32	12
8	G3/8	M18×1.5	38	65	24	36	12
10	G1/2	M22×1.5	48	80	30	46	14
15	G3/4	M27×2	58	100	41	55	16
20	G1	M33×2	72	110	46	70	18
25	G1 1/4	M42×2	87	130	55	85	20
30	G1 1/2	M48×2	93	150	60	90	22