

CONTACT WATER METERS M-TK / M-TSK MODELS 402/403

APPLICATION

Multi-Jet impeller meter without roller counter, with Reed Switch for the control, dosage or remote indication of flow rates

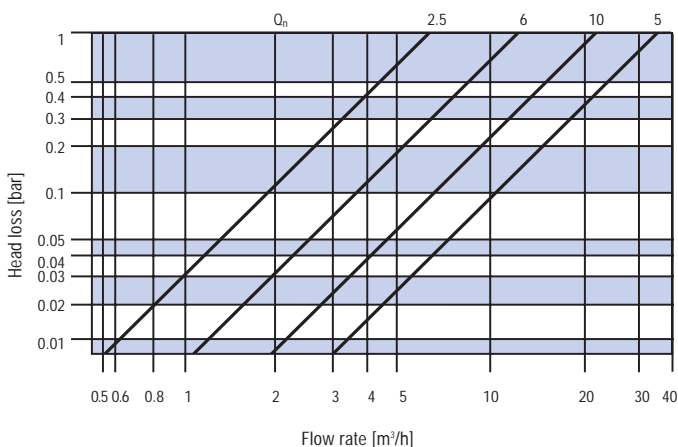
- M-TK** for horizontal installation
- DN 20 - 50 mm
- For warm water up to 90 °C
- Construction and connecting dimensions according to DIN ISO 4064
- M-TSK** for the installation in rising pipes
- DN 20 - 40 mm
- For warm water up to 90 °C

- M-TK and M-TSK**
- Operating pressure: 16 bar as per DIN 2401
- Max. contact load: 24 V (protective low voltage) 0,2 A
- Reed Switch standard with terminal block, special version available with 2 m cable

CHARACTERISTICS

- Especially low head loss and considerably extended measuring range
- Registration of smallest withdrawals of water
- Best long term measurement stability
- Counting of forward and return flows
- Filter installed in the inlet, may be cleaned without breaking the seal
- Easily replaceable Reed Switch

HEAD LOSS GRAPH M-TK AND M-TSK



CONTACT WATER METERS M-TK / M-TSK MODELS 402/403

TECHNICAL DATA

Model			402				403			
Type			M-TK				M-TSK			
Nominal Diameter	DN	mm	20	25	40	50	20	25	40	
Nominal Flow	Q_n	m^3/h	2,5	6	10	15	2,5	6	10	
Flow at 1 bar Head Loss		m^3/h	7	12	24	34	6	12	22	
Maximum Flow	Q_{max}	m^3/h	5	12	20	30	5	12	20	
Transition Flow (Dividing Line)	Q_t	l/h	250	500	1000	1500	250	500	1000	
Lower Measuring Range Limit	Q_{min}	l/h	30	70	100	100	30	70	100	
Connection Threads on	old term	AG	Inch	R 1	R 1 $\frac{1}{4}$	R 2		R 1	R 1 $\frac{1}{4}$	R 2
	new term	AG	Inch	G 1 B	G 1 $\frac{1}{4}$ B	G 2 B		G 1 B	G 1 $\frac{1}{4}$ B	G 2 B
Connection Threads of Couplings.										
		Inch	R $\frac{3}{4}$	R 1	R 1 $\frac{1}{2}$		R $\frac{3}{4}$	R 1	R 1 $\frac{1}{2}$	
	Outside \emptyset	D	mm				165			
	\emptyset of opening	K	mm				125			
	No. of bolts	pcs					4			
Overall length (c/w couplings)	L	mm	190	260	300	270	105	150	200	
	L_1	mm	288	378	438	–	203	268	338	
Height	H	mm	110	115	133	150	148	165	195	
	h	mm	41	44	46	83	15	22	45	
Width	A	mm					82	95	120	
	B	mm	96	104	136	165	96	104	136	
Weight	without couplings	kg	1.8	2.8	5.4	12.4	1.9	3.2	6.3	
Weight	with couplings	kg	2.2	3.4	6.6	–	2.3	3.8	7.5	

M-TK Q_n 6 is available with connection threads AG 1 $\frac{1}{2}$ " acc. DIN ISO 4064.

On request we can supply M-TSK-DN 25 mm in the former overall length 135 mm and DN 40 mm in 150 mm.

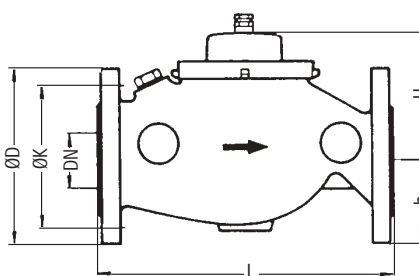
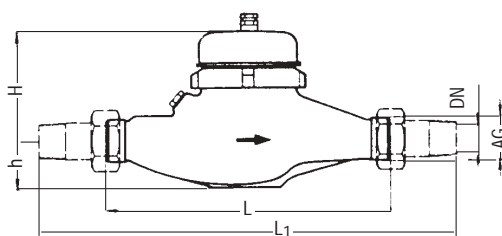
AVAILABLE PULSE RATES:

0,1 (only Q_n 2.5 + 6) · 0.25 · 0.5 · 1 · 2 · 2.5 · 5 · 10 · 25 · 50 · 100 · 250 · 500 · 1000 litres / pulse

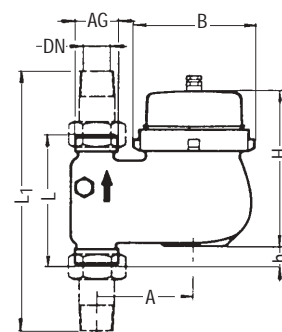
Other pulse rates are available on request. Subject to minor technical changes in the course of further development.

DIMENSIONS

Model 402 M-TK



Model 403 M-TSK



ORDERING EXAMPLE

Multi-Jet Impeller Meter	Nominal Flow	Litre / Pulse	Model	Temperature	Reed Switch Version
M-TK	Q_n 2.5	10	402	30 °C	Terminal Block