

TURBINE FLOW METER

KF500 SERIES

Flow Measurement

& Monitoring



DESCRIPTION

KF500 series are used for the precise measurement of instantaneous flow rates and flow quantities of low-viscosity fluids. It can be widely used in the fields of chemical industry, metallurgy, scientific research for measuring or control. Several output and options can be selected, complete with instantaneous flowrate and totalizer.

TECHNICAL FEATURES

Measure range	0.01 to 800 m ³ /h
Accuracy	±1% in measure scale 1:10 ±2% in measure scale 1:25
Temperature	-20 to 100°C (Medium) / -25 to 55°C (Environment)
Body Material	Stainless Steel
Wetted Part Material	Alloy Steel
Power Supply	24 V DC (with output) / battery type (w/o output)
Output signal	4-20mA and pulse output
Connection	Flange type / Threaded type / Tri-clamp type
Installation type	Compact / Remote

FEATURES

- ✓ Totalization and low flow measure
- ✓ Compact & Remote
- ✓ Easy dismantling
- ✓ Accuracy ±1% / ±0.5%
- ✓ Three type of connection
- ✓ Battery powered type available

I-SYSTEM MEASUREMENT
www.ismesb.com



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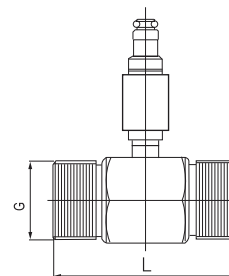
DIMENSION/DRAWING

DN (mm)	Measuring Range (m ³ /h)		Medium Temperature	PN (MPa)	Environment Temperature	Pressure Loss (MPa)	
	Error 0.5%	Error 1.0%					
2*	/	0.01 - 0.13	-20 to 100°C	1.6	-20 to 55°C	0.12	
3*	/	0.04 - 0.25		6.3			
4*	/	0.04 - 0.25					16*
6*	0.1 - 0.6	0.1 - 0.6				25	
10	0.25 - 1.2	0.2 - 1.2		40*			
15	0.6 - 4	0.4 - 4					2.5 or 6.3
20	1.1 - 7	0.7 - 7					
25	1.6 - 10	1 - 10					
32	2.5 - 16	1.6 - 16		1.6 or 2.5		0.035	
40	3 - 20	2.5 - 25					
50	4 - 40	4 - 40					
65	6 - 60	6 - 60		1.6		0.025	
80	10 - 100	10 - 100					
100	20 - 160	16 - 160					
150	50 - 300	40 - 400					
200	100 - 600	80 - 800					

* Order upon request

VA Thread Type

DN (mm)	BSP	L (mm)	Weight (KG)
2*		40	0.5
3*	1/4"	55	0.7
4*		40	0.5
6	3/8"	50	0.6
10	1/2"	50	0.65
15	1"	75	1.0
20	1"	75	1.2
25	1 1/4"	100	1.7
32	1 1/2"	120	2.2



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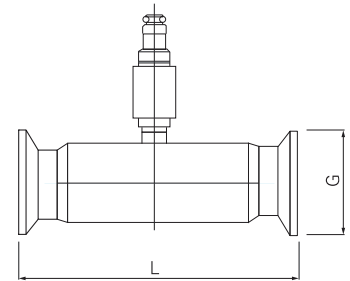
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DIMENSION/DRAWING

KA Tri-clamp Type

DN (mm)	BSP	G (mm)	L (mm)	Weight (KG)
10	3/8"	51	100	1
15	1/2"	51	100	1.1
20	3/4"	51	100	1.5
25	1"	51	100	2
32	1 1/4"	64	140	3.5
40	1 1/2"	64	140	5
50	2"	77.5	150	6.5
65	2 1/2"	91	182	8



FA Flange Type

DN (mm)	D1 (mm)	D2 (mm)	n-øA	L (mm)	Weight (KG)
10	90	60	4-ø14	60	1.9
15	95	65	4-ø14	75	2.0
20	105	75	4-ø14	75	2.9
25	115	85	4-ø14	100	3.7
32	140	100	4-ø18	120	5
40	150	110	4-ø18	140	7
50	165	125	4-ø18	150	9
65	185	145	4-ø18	180	11
32	200	160	8-ø18	200	14
40	220	180	8-ø18	220	21
50	285	240	8-ø22	300	36
65	340	295	12-ø22	360	57

