

KOMAX - WATER METER 50~300(mm)

Horizontal vane wheel, dry-dial cold (hot) water meter



Application

Measuring the volume of cold (hot) water passing through the pipeline

Feature

- Removable element structure, easy installation and maintenance;
- Dry-dial, Magnetic drive;
- Large flow capacity, small pressure loss;
- Resist water hammer and pollution;
- Vacuum sealed register ensures the dial keep free from condensation and keep the reading clear in a long term service;
- Selected high quality materials for steady and reliable characteristic;
- Technical data conform to international standard ISO 4064.

Working condition

Water temperature: 0.1°C~40°C (0.1°C~90°C) for hot water meter)

Water pressure: 1.0Mpa (1.6MPa on request)

Working condition: PH = 6 - 9

Maximum permissible errors

(1) In the lower zone from $q_{\min}$ inclusive up to but excluding q_t is $\pm 5\%$

(2) In the upper zone from q_t inclusive up to and including q_s is $\pm 2\%$
($\pm 3\%$ for hot water meter)

MAIN TECHNICAL SPECIFICATIONS FOR COLD WATER

Type	Size (mm)	Class	q_s Overload Flow	q_p Permanent Flow	q_t Transitional Flow	$q_{\min}$ Flow	Min. Reading	Max. Reading
			m ³ /h				m ³	
KM-50	50	A/B	30	15	4.5	1.2	0.0002	999.999
KM-65	65	A/B	50	25	7.5	2.0	0.002	999.999
KM-80	80	A/B	80	40	12	3.2	0.002	999.999
KM-100	100	A/B	120	60	18	4.8	0.002	999.999
KM-125	125	A/B	200	100	30	8	0.002	999.999
KM-150	150	A/B	300	150	45	12	0.002	999.999
KM-200	200	A/B	500	250	75	20	0.002	999.999
KM-250	250	A/B	800	400	120	32	0.02	9.999.999
KM -300	300	A/B	1200	600	180	48	0.02	9.999.999

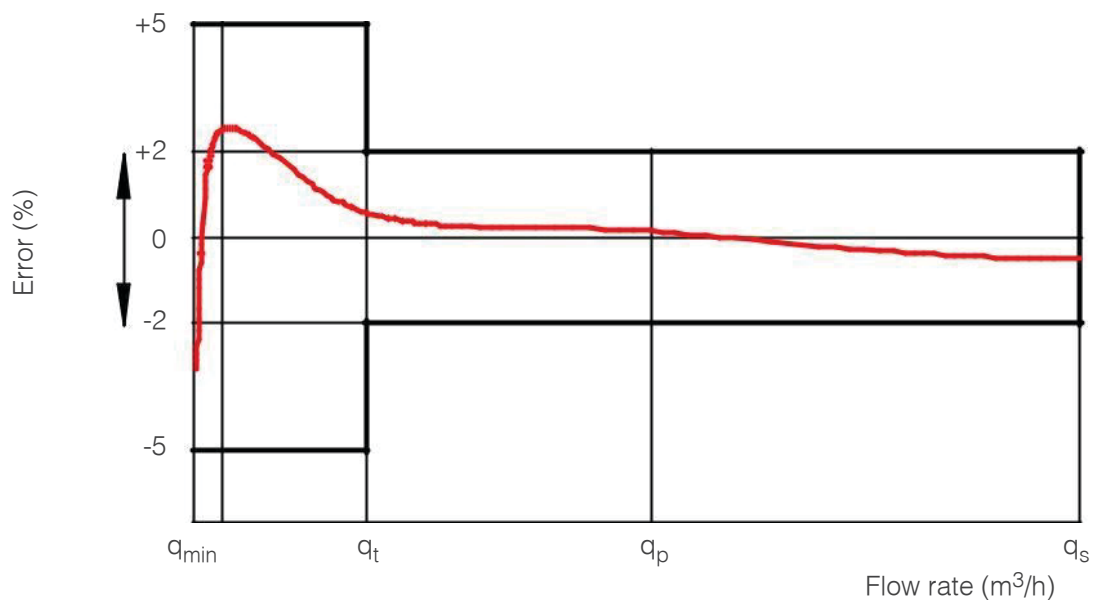
DIMENSIONS

Type	Size	L Length	H Height	Connecting flange		
	mm			Φ_{D1} Outside diameter	Φ_{D1} Bolt circle diameter	Connecting Bolts (n-M)
KM-50	50	200	253	165	125	4-M16
KM-65	65	200	268	185	145	4-M16
KM-80	80	225	284	200	160	8-M16
KM-100	100	250	295	220	180	8-M16
KM-125	125	250	310	250	210	8-M16
KM-150	150	300	339	285	240	8-M16
KM-200	200	350	382	340	295	8-M20(1.0MPa)
						12-M20(1.6MPa)
KM-250	250	400	433	395	350	12-M20(1.0MPa)
		450	438	405	355	12-M24(1.6MPa)
KM -300	300	450	483	445	400	12-M20(1.0MPa)
		500	488	460	410	12-M24(1.6MPa)

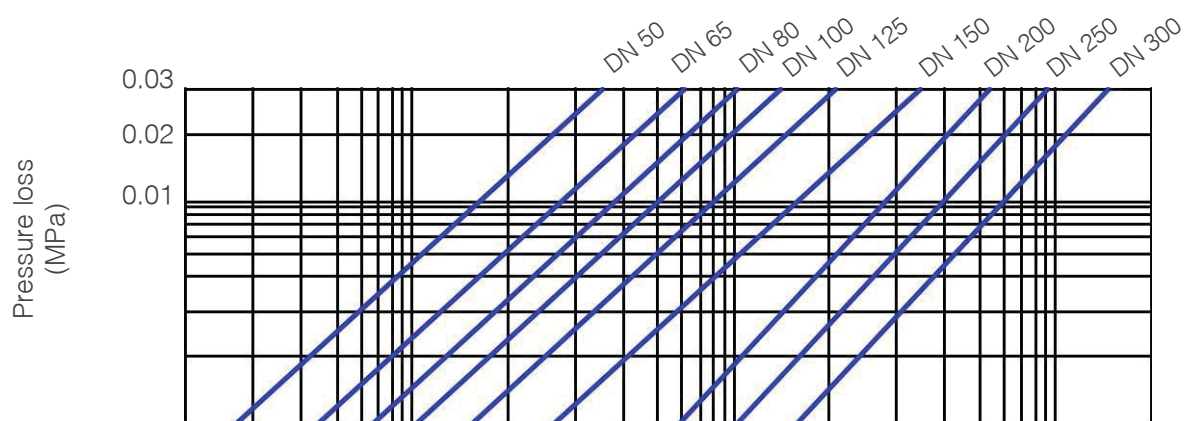
NOTE: The flange dimension conforms to ISO7005-2:1988 standard. Order for products of special requirements is also accepted.



FLOW ERROR CURVE



PRESSURE LOSS CURVE



KM-50~300 HORIZONTAL VANE WHEEL, DRY-DIAL COLD WATER METER

Code	Description	Material	QTY
1	Screw M5× 45 For Sealing	Stainless Steel	1
2	Screw M5× 45	Stainless Steel	1
3	Cover With Lid	Assembly	1
4	Sealed Register	Assembly	1
5	Fixing pin	Brass	1
6	Retainer Ring	ABS	1
7	Screw	Brass	4
8	Pin	Stainless Steel	1
9	Support	ABS	1
10	Bolt For Sealing	Stainless Steel	2
11	Bolt M12× 35	Stainless Steel	2
12	Gasket	Stainless Steel	4
13	Adjusting Nut	Brass	1
14	Flange Plate	Cast Iron	1
15	O-ring	Silicon Rubber	1
16	O-ring	Silicon Rubber	1
17	Bush For Adjustment	Brass	1
18	Upper Bearing Plate	Brass	1
19	Screw	Brass	4
20	Lower Central Gear	Component	1
21	Cover Plate	MPPO	1
22	O-ring For Adjustment	Rubber	2
23	Transmission Gear Component	Assembly	1
24	Adjusting Lever	Brass	1
25	Turbine	Component	1
26	Adjusting Plate	MPPO	1
27	Bush with Agate	Nylon with Graphite	1
28	Measuring Chamber	MPPO	1
29	Fixing Screw	Brass	3
30	O-ring	Rubber	1
31	Body	Cast Iron	1