



## Kappa-wdc- mdc

Helix Woltmann type water  
meter  
enclosed construction-dry dial

A totally enclosed full bore helix Woltmann type dry dial meter for cold water. The helix impeller aligns with the pipe axis. It is design to ensure high flow rates with the minimum of head loss. It has a dry straight reading register.

The transmission movement from the wet part to the dry register mechanism is of the mechanical type with a special gland which ensure perfect tightness.

A version for warm water up to 90°C is available.

A version suitable for telemetering complete with a pulse output is also available.

### The main features are:

- > The straight reading register operate in a dry compartment as a result the registry remain perfectly clear. EASY READING IN ANY WORKING CONDITION IS ENSURED.
- h The meter is suitable for operation in hard water and under condition where deposits may occur, and also if there is sand in suspension.
- h MECHANICAL TRANSMISSION MOVEMENT equates to MAXIMUM RELIABILITY
- h The HYDRAULIC PERFORMANCE conforms to Class B of the ECC Standards. A version approved in the Class C is also available.
- h A long operating life is guaranteed by the robust construction, which provides maximum protection, due to the very low number of impeller revolution per cubic meter of water flow and due to the selection of the best quality materials regardless of cost. LOW COST OF OWNERSHIP IS ACHIEVED BY THE SIMPLICITY OF DESIGN AND INEXPENSIVE MAINTENANCE.
- h The meter is supplied with flanged ends and is easy to install on the horizontal, vertical or inclined pipe.

### TECHNICAL DATA AND DIMENSIONS

SIZE	mm inch	50 1/2"	80 3/4"	100 1"	150 1.1/4"	200 1.1/2"
Qmax	m <sup>3</sup> /h	30	80	120	300	500
Qn	m <sup>3</sup> /h	15	40	60	150	250
Qt	l/h	4.5	12	18	45	75
Qmin	l/h	1200	3200	4800	12000	20000
PN	bar	10-16	10-16	10-16	10-16	10-16
Minimum reading	l	0.001	0.01	0.01	0.01	0.1
Maximum reading	m <sup>3</sup>	999999	999999	999999	999999	999999
L	mm	200	225	250	300	350
H	mm	224	291	301	350	403

- h Do not hesitate to contact our Technical Staff for any problem concerning water metering.
- h Technical specification can be changed without notice to improve the reliability of our products.
- h Meters for different working pressure are available on request.
- h On request the outlet port is machined for a suitable non-return valve.
- h The hydraulic performances above are those prescribed by the Class A of the ECC Standard. More than 90% of our mass production give better performances.

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