

CRYSTAL MTW-HWK

Hot water meters with pulse output for water up to 90 °C

Application

Measurement of water flow using the well-established multijet sealed roller counter principle for horizontal mounting with pulse output for remote applications and for nominal flow between 2.5 and 15 m³/h.



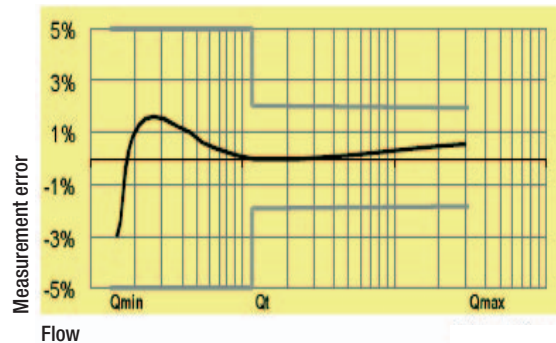
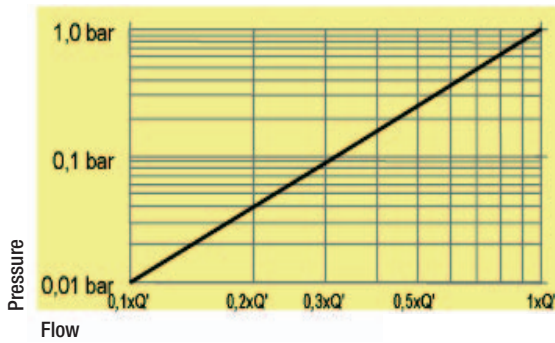
Features

- Multijet turbine water flowmeter
- Hydrodynamic measurement
- Dry type sealed roller counter
- Type approval exceeds PTB and EU Directives
- Low initial measured flowrate values
- Integral inlet strainer
- Tamper-proof cover protects against magnetic interference

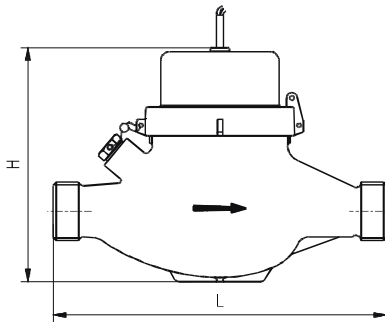
Benefits

- Cost-effective and proven measurement principle
- No straight inlet or outlet paths required. Measurement independent of conductivity of the medium.
- The roller counter is protected from water particles such as sand, chalk and magnetite and therefore ideal for most types of water quality.
- High accuracy with optional use as part of a composite heat meter
- Records consumption at even the smallest flowrate
- Protected against particles
- Protected against magnetic fields

Pressure loss and measurement deviation



Dimensions and technical data



Medium	water
Max. product temperature	90 °C
Nominal pressure	PN 16
Pulse value	10 l/pulse
Response time	0.5 ms
Max. contact voltage	200 V DC
Max. current	500 mA
Max. contact load	10 W
Contact resistance	< 150 mΩ
Capacitance	0,2 pF
Length of pulser cable	2 m

Type	qp m³/h	DN mm	Connection G "	L mm	Initial flow- rate l/h	Q' = kvs** m³/h	Liters/ pulse	Class H/V	Weight kg	H mm	Art.No.
MTW-HWK 20 Qp 2.5, 90C 10L	2.5	20	G 1 B	190	< 13	5.6	10	B/-	2	125	93'511
MTW-HWK 25 Qp 3.5, 90C 10L	3.5	25	G 1 1/4B	260	< 23	12.5	10	A/-	3	143	93'512
MTW-HWK 25 Qp 6, 90C, 10L	6	25	G 1 1/4B	260	< 23	12.5	10	B/-	3	143	93'555
MTW-HWK 32 Qp 6, 90C, 10L	6	32	G 1 1/2B	260	< 23	12.5	10	B/-	3	143	93'513
MTW-HWK 40 Qp 10, 90 C, 10L*	10	40	G 2 B	300	< 45	24.0	10	B/-	5	164	93'514
MTW-HWK 50 Qp 10, 90 C, 10L*	15	50	G 2 1/2	300	< 45	31.0	10	B/-	7.1	176	93'516

* Factory-tested

** Flow on pressure drop = 1 bar

Approvals

Germany D84-6-331-48 and D90-6-331-12
 Switzerland Metas CH-T3-05338-00
 Others on request.

Authorised Channel Partner in India



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