

## DOSA *Tec* Impeller flow meter KWKT/KWHT

Flow meters made of high-grade brass die cast with plastic inner parts.



### Product description:

- Impeller flow meter with pulse drive
- Models:
  - Dry-dial water meter with dry metering chamber
  - Cold water up to 30 °C
  - Warm water up to 90 °C
  - Teflon (PTFE)-coated roller register for aggressive media
- Design: KWKT, PTFE-coated
- Min. reading 0.1 l (DN 50: 0.5)
- Max. reading 105 m<sup>3</sup>
- Reed contact output, max. contact load 24 V, 200 mA
- Max. operating pressure: 16 bar
- Pulse intervals: see below

### Areas of application:

- Precise registration of flow rates
- Pulse to controller (for dosing control)

### Scope of supply:

- DOSA *Tec* KWKT/KWHT impeller flow meter with screw connections, Standard 2 m connection cable (except with Teflon), BNC plug (standard), without plug
- Please specify litres/pulse sequence and plug type when ordering

### Ordering data:

Type:	Connection diameter:	Connection diameter:	Item number:
KWKT: Dry-dial meter for cold water up to 30 °C	DN	inch/thread	
<b>KWKT 15 ½"</b>	15	½	43113130
<b>KWKT 20 ¾"</b>	20	¾	43113131
<b>KWKT 25 1"</b>	25	1	43113132
<b>KWKT 30 1 ¼"</b>	30	1 ¼	43113133
<b>KWKT 40 1 ½"</b>	40	1 ½	43113134
<b>KWKT 50 2"</b>	50	2	43113135
Type:	Connection diameter:	Connection diameter:	Item number:
KWKT- PTFE (coated) Dry-dial meter for cold water up to 30 °C	DN	inch/thread	
<b>KWKT-PTFE 15 ½"</b> (coated)	15	½	43113160
<b>KWKT-PTFE 20 ¾"</b> (coated)	20	¾	43113161
<b>KWKT-PTFE 25 1"</b> (coated)	25	1	43113162
<b>KWKT-PTFE 30 1 ¼"</b> (coated)	30	1 ¼	43113163
<b>KWKT-PTFE 40 1 ½"</b> (coated)	40	1 ½	43113164
<b>KWKT-PTFE 50 2"</b> (coated)	50	2	43113165

**Ordering data:**

Type:	Connection diameter:	Connection diameter:	Item number:
KWHT: Dry-dial meter for hot water up to 90 °C	DN	inch/thread	
<b>KWHT 15 ½"</b>	15	½	43113120
<b>KWHT 20 ¾"</b>	20	¾	43113121
<b>KWHT 25 1"</b>	25	1	43113122
<b>KWHT 30 1 ¼"</b>	30	1 ¼	43113123
<b>KWHT 40 1 ½"</b>	40	1 ½	43113124
<b>KWHT 50 2"</b>	50	2	43113125

**Additional technical data:**

Conne- tion type:	Conne- tion thread:	Nominal flow:	Max. flow rate:	Minimum inflow:	Litres per pulse:	Installed length „A“ w/o screw connection:	Installed length „B“ with screw connection:	Diameter Ø: „C“	Height: „D“	Weight with screw connection:
DN	inches	*Q <sub>n</sub> in m <sup>3</sup>	Q <sub>max</sub> in m <sup>3</sup>	l/h	l/pulse	mm	mm	mm	mm	kg
15	½	1.5	3	30	0.25, 0.5, 1, 2.5, 5, 10, 25, 50, 100, 250, 500, 1000	110	190	80	108	1.05
20	¾	2.5	5	50		130	228	80	108	1.25
25	1	3.5	7	70		160	260	100	128	1.85
30	1 ¼	5.0	10	100		160	280	100	128	2.15
40	1 ½	10.0	20	200		200	340	110	142	3.54
50	2	15.0	30	450	300	460	136	140	2.50	

\*Nominal flow rate Q<sub>n</sub>: = ½ max. flow rate Q<sub>max</sub> (in compliance with calibration requirements)