# TANGENTIAL-PROPELLER METER FOR IRRIGATION

**W01-WMTG-FT-001**

Product data sheet · Water meters

Tangential-propeller water meter, from DN 50 to DN 300, for irrigation and watering water that may contain impurities. Copper-can register, working pressure 16 bar, pulse output or pulse-ready version.



## Technical data

| | |
|---|---|
| **Type** | Tangential-propeller meter |
| **Water** | Irrigation or watering water, which may contain impurities |
| **Register** | Copper-can register, pulse output with reed contact |
| **Construction** | In accordance with the MID directive 2014/32/EU (formerly MID 2004/22/EC) |
| **Working pressure** | 16 bar |
| **Temperature class** | T30/T50 |
| **Sizes** | DN 50 to DN 300 (2" to 12") |

## Description

Tangential-propeller water meter, for irrigation water, watering water and similar uses, including water that contains impurities. For billing purposes, this meter is restricted to watering water.

The copper-can register is fitted as standard. It comes pre-fitted with a reed contact pulse output. A version with lockable metal lid and head is available on request.

The meter is built in accordance with the MID directive 2014/32/EU (formerly MID 2004/22/EC).

Two versions are available:

- with pulse output (codes ending in -PE);
- pulse-ready, prepared to receive a pulse output (codes ending in -PR). The pulse output for tangential meters is ordered under code WMPE-WT-TG.

### Product codes

| Code | DN | Inlet / outlet |
|---|---|---|
| **With pulse output** | | |
| WMTG-050-PE | 50 | 2" |
| WMTG-065-PE | 65 | 2" 1/2 |
| WMTG-080-PE | 80 | 3" |
| WMTG-100-PE | 100 | 4" |
| WMTG-125-PE | 125 | 5" |
| WMTG-150-PE | 150 | 6" |
| WMTG-200-PE | 200 | 8" |
| WMTG-250-PE | 250 | 10" |
| WMTG-300-PE | 300 | 12" |

# TANGENTIAL-PROPELLER METER FOR IRRIGATION

**W01-WMTG-FT-001**

| Code | DN | Inlet / outlet |
|---|---|---|
| **Pulse-ready** | | |
| WMTG-050-PR | 50 | 2" |
| WMTG-065-PR | 65 | 2" 1/2 |
| WMTG-080-PR | 80 | 3" |
| WMTG-100-PR | 100 | 4" |
| WMTG-125-PR | 125 | 5" |
| WMTG-150-PR | 150 | 6" |
| WMTG-200-PR | 200 | 8" |
| WMTG-250-PR | 250 | 10" |
| WMTG-300-PR | 300 | 12" |

## Applications

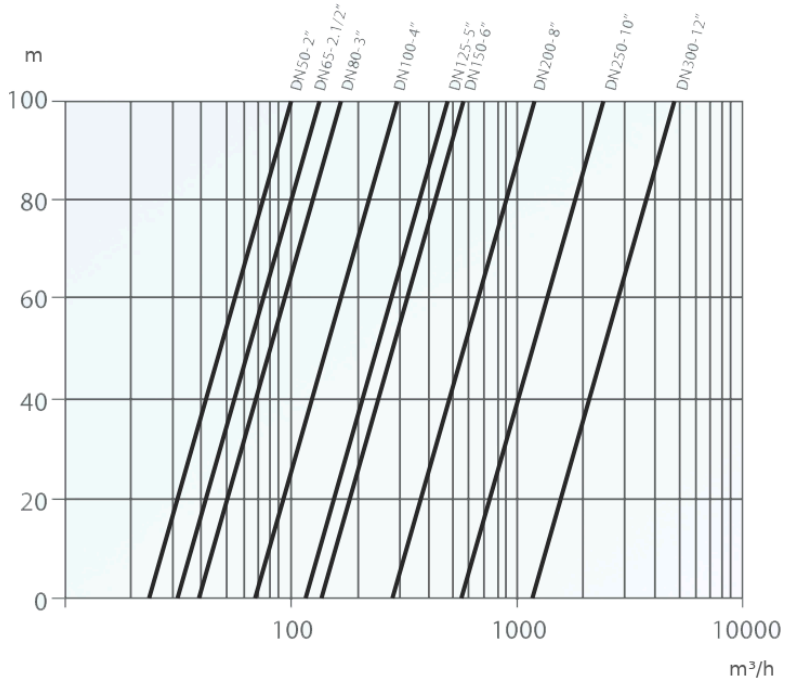
- Irrigation.
- Watering.

## Performance

### Metrological performance

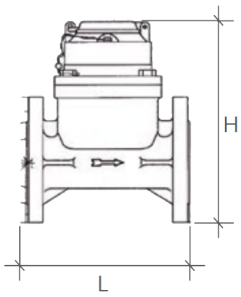
| DN | Inlet / outlet | Min. flow rate ($m^3/h$) | Transitional flow rate ($m^3/h$) | Nominal flow rate ($m^3/h$) | Max. flow rate ($m^3/h$) | Minimum reading (L) | Maximum reading ($m^3$) |
|---|---|---|---|---|---|---|---|
| 50 | 2" | 3.15 | 5.04 | 63 | 78.75 | 1 | 999,999 |
| 65 | 2" 1/2 | 3.15 | 5.04 | 63 | 78.75 | 1 | 999,999 |
| 80 | 3" | 5 | 8 | 100 | 125 | 1 | 999,999 |
| 100 | 4" | 8 | 12.8 | 160 | 200 | 1 | 999,999 |
| 125 | 5" | 12.5 | 20 | 250 | 312.5 | 1 | 999,999 |
| 150 | 6" | 20 | 32 | 400 | 500 | 10 | 9,999,999 |
| 200 | 8" | 31.5 | 50.4 | 630 | 787.5 | 10 | 9,999,999 |
| 250 | 10" | 50 | 80 | 1000 | 1250 | 10 | 9,999,999 |
| 300 | 12" | 80 | 128 | 1600 | 2000 | 10 | 9,999,999 |

Q1 = minimum flow rate, Q2 = transitional flow rate, Q3 = permanent flow (“Nominal flow rate” column), Q4 = maximum flow rate.




Pressure loss (m water column) according to flow rate (m³/h), by diameter

## Dimensions




Tangential-propeller meter: dimensions L and H

### Dimensions

| DN | Inlet / outlet | L (mm) | H (mm) |
|---|---|---|---|
| 50 | 2" | 205 | 260 |
| 65 | 2" 1/2 | 205 | 270 |
| 80 | 3" | 225 | 290 |
| 100 | 4" | 255 | 300 |
| 125 | 5" | 255 | 310 |
| 150 | 6" | 300 | 340 |
| 200 | 8" | 350 | 395 |
| 250 | 10" | 455 | 445 |
| 300 | 12" | 495 | 505 |

**Related documents :** W01-WMWT-FT-001, D05-AQUADOS-FT-001

**Product codes :** WMTG-050-PE, WMTG-065-PE, WMTG-080-PE, WMTG-100-PE, WMTG-125-PE, WMTG-150-PE, WMTG-200-PE, WMTG-250-PE, WMTG-300-PE, WMTG-050-PR, WMTG-065-PR, WMTG-080-PR, WMTG-100-PR, WMTG-125-PR, WMTG-150-PR, WMTG-200-PR, WMTG-250-PR, WMTG-300-PR