

## Water Meter Specifications

Vertical Woltmann Technology Meter  
DN50, 75, 100

Model

TFWD50E  
TFWD75E  
TFWD100E

### 1. General description

TFW is a vertical Woltmann technology water meter. In the measuring chamber, the helix impeller is set vertically and axial flow hits the helix. The direct magnetic transmission, with no gear in the water, transmits the rotation of the helix to the register.

### 2. Materials

Measuring chamber	Ductile iron or Casting bronze
Register	Synthetic resins
Helix impeller	Synthetic resins
Register box	Synthetic resins

### 3. Performance and dimensions

Model name		TFWD50E	TFWD75E	TFWD100E
Diameter	DN (mm)	50	75	100
Permanent flow rate	Q <sub>3</sub> (m <sup>3</sup> /h)	40	63	100
Performance ratio R		100		
Flow range of maximum permissible error (m <sup>3</sup> /h)	± 5%	0.4ÖQ < 0.64	0.63ÖQ < 1.008	1.0ÖQ < 1.6
	± 2%	0.64ÖQ Ö 50	1.008ÖQ Ö 78.75	1.6ÖQ Ö 125.0
Capacity (m <sup>3</sup> /day)	10 hour use / day	140	218	345
	24 hour use / day	250	390	620
Head loss at Q <sub>3</sub> (MPa)		Ö.063		
Maximum working pressure (MPa)		1		
Totalizer (6 digits in m <sup>3</sup> )	Minimum scale (L)	1		
	Largest volume (m <sup>3</sup> )	999,999		
Working maximum water temperature (°C)		30		
Length (mm)		560	630	750
Weight (kg)	Ductile iron	17	25	37
	Casting bronze	20	33	49

These specifications might be changed without notice.