Water Meter Specifications

Vertical Woltmann Technology Electric Meter
DN50, 75, 100

TFEA50E
TFEA75E
TFEA100E

1. General description

TFEA is a vertical Woltmann technology water meter. In the measuring chamber, the helix impeller is set vertically and axial flow hits the helix. TFEA series has a built-in micro-controller which measures the flow rate by counting the rotation of the helix and displayed it on the LCD unit. TFEA series has pulse output function, too.

2. Materials

Measuring chamberDuctile ironRegisterSynthetic resinsHelix impellerSynthetic resinsRegister boxSynthetic resins

3. Performance and dimensions

Model name		TFEA50E	TFEA75E	TFEA100E
Diameter	DN (mm)	50	75	100
Permanent flow rate	Q_3 (m^3/h)	40	63	100
Performance ratio R		100		
Flow range of maximum permissible error (m³/h)	± 5%	0.4ÖQ <0.64	0.63ÖQ <1.008	1.0ÖQ <1.6
	±2%	0.64ÖQ Ö50	1.008ÖQ Ö78.75	1.6ÖQ Ö125
Capacity (m³/day)	10 hour use / day	140	218	345
	24 hour use / day	250	390	620
Head loss at Q ₃ (MPa)		Ö0.063		
Maximum working pressure (MPa)		1		
Totalizer (6 digits in m ³)	Minimum scale (L)	1		
	Largest volume (m ³)	999,999		
Working maximum water temperature (°C)		30		
Output pulse rate		100L/p, 1 m ³ /p, 10 m ³ /p		
Battery life		Longer than 8 years		
Length	(mm)	560	630	750
Weight (kg)	Ductile iron	18.5	26	38

These specifications might be changed without notice.