

Water Meter Specifications

Vertical Woltmann Technology Electric Meter
DN50, 75, 100

Model

BFEA50E
BFEA75E
BFEA100E

1. General description

BFEA is a vertical Woltmann technology water meter. In the measuring chamber, the helix impeller is set vertically and axial flow hits the helix. BFEA 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. BFEA series has pulse output function, too.

2. Materials

Measuring chamber	Ductile iron
Register	Synthetic resins
Helix impeller	Synthetic resins
Register box	Synthetic resins

3. Performance and dimensions

Model name	BFEA50E	BFEA75E	BFEA100E	
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 (m ³ /h)	± 5%	0.4ÖQ <0.64	0.63ÖQ <1.008	1.0ÖQ <1.6
	± 2%	0.64ÖQ Ö50	1.008ÖQ Ö78.75	1.6ÖQ Ö125.0
Capacity (m ³ /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)	245	300	350	
Weight (kg)	Ductile iron	13.5	19.5	26

These specifications might be changed without notice.