SC SERIES

Smart Woltmann Class C
Water Meter (Bulk Type)
Available Size : DN50 - DN300

Applications

- Commercial, industrial and distribution
- system applications
- Smart building, apartment, DMA,
- Submetering
- Revenue billing for distribution system
- Suitable for AMR, DMA, smart building,
- wireless metering solutions

Main Features

- Water meter for horizontal installation position
- (vertical installation is also possible)
- ISO 4064 Class C and R250 ratio standard
- Innovative measuring technology
- Direct reading LCD register, protected from condensation
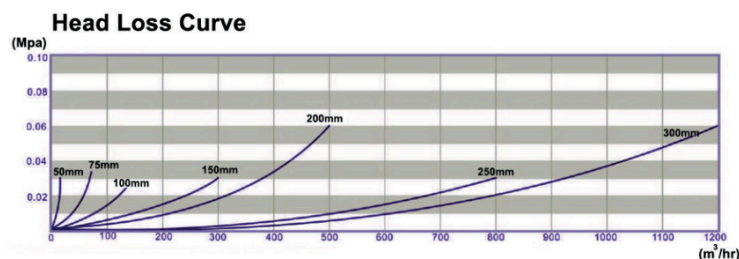- Electronic register with build-in smart functions

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Intelligent Management Functions to Reduce non-Revenue Waters

- Totalizer mode, Forward totalizer mode, Reverse totalizer mode,
- Flow rate mode, Management mode, Data logging mode
- Leakage days, Reverse flow days, Tamper-proof days,
- Low voltage days, Over Qmax times
- Leak logs, Tamper logs, Totalizer logs, Over Qmax ranking
- Monthly water consumption logs
- Minimum Nighttime flow logs

Technical Data

ISO 4064:2005	Flow	Units	DN50	DN80	DN100	DN150	DN200	DN250	DN300
	Q1	m3/h	0.1	0.252	0.4	1	1.6	2.52	4
	Q2	m3/h	0.16	0.4032	0.64	1.6	2.56	4.032	6.4
	Q3	m3/h	25	63	100	250	400	630	1000
	Q4	m3/h	31.25	78.75	125	312.5	500	788	1250
	Q3/Q1	Ratio R	250	250	250	250	250	250	250

ISO 4064:1993 (C class)	Flow	Units	DN50	DN80	DN100	DN150	DN200	DN250	DN300
	Q1	m3/h	0.09	0.21	0.36	0.9	1.5	2.4	3.6
	Q2	m3/h	0.225	0.525	0.9	2.25	3.75	6	9
	Q3	m3/h	15	35	60	150	250	400	600
	Q4	m3/h	30	70	120	300	500	800	1200

Head Loss Curve

Electronic Register Features

- Multi-point flow performance calibration
- Data synchronization within 10 sec.
- Build-in 12 years battery lifespan
- Gear-free with innovative electronic
- sensing technology
- Equipped with digital encoder, pulse,
- Modbus (RTU), RS485 to develop
- AMR system
- Hermitically sealed, mineral glass register

- prevents moisture and water ingress
- Large index reading with distinct digits to aid visual reading and
- provide correct data
- Sub-units provides additional resolution to verify the billing disputes
- Instant flow rate display to prevent manual calculation based on
- pointers
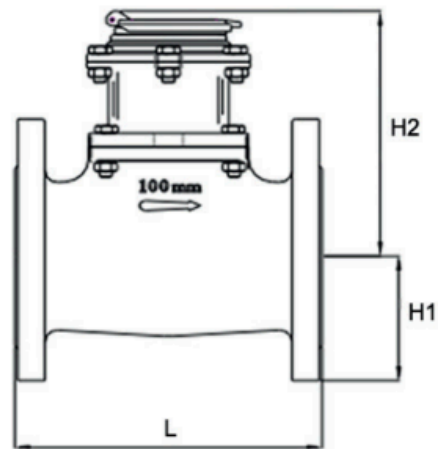- Digital interface for data communication and firmware upgrade

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Technical Specifications
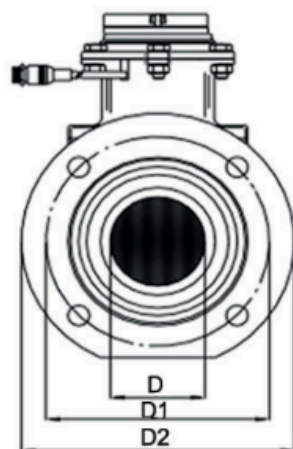
- Suitable for submerged condition
- Protection class IP68
- Measurement for billing of cold potable water up to 65 ℃
- (hot water by request)
- Maximum working pressure : PN10 or PN16
- Maximum working temperature : 70 ℃
- Meter body : Cast iron with epoxy coating

Specifications

Model	Diameter(D) Unit:mm (inch)	Length(L) max	Flange Diameter (D2±2)	From Bottom Flange Center (H1±2)	From Cover to Flange Center (H2±2)	Flange Center Range (D1±2)	Flange Spec 7.5 k		Approx. Weight (Kg)
							Hole Diameter (d)	Hole Number (n)	
WC50E	50(2")	200	186	92.5	202.5	143	19	4	18.5
WC80E	80(3")	200	211	99	210	168	19	4	18.2
WC100E	100(4")	250	238	108	211	195	19	4	22.8
WC150E	150(6")	300	290	136	248	247	19	6	29
WC200E	200(8")	350	342	163	248	299	19	8	53
WC250E	250(10")	440	410	190	335	360	23	8	80
WC300E	300(12")	500	464	222	335	414	23	10	107

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