IC Card-(32-300)

Prepaid Water Meter

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YOUIXIN

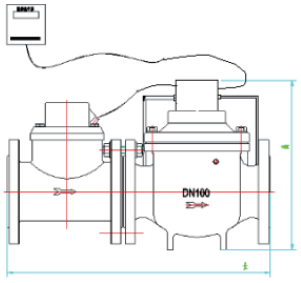
The valve part uses an electric double-force ball valve as a pilot valve to push the patented self-standing hydraulic wide-body diaphragm main valve switch.

Both the small valve and the flow guiding part are made of copper and stainless steel for a longer service life.

The controller uses large-scale industrial-grade integrated circuits, advanced SMT processes, and code-based prepaid control. The product realizes advanced functions such as long life, anti-attack, anti-interference and network management.

Feature

- Self-supporting pilot structure, the guide valve can be opened without large torque, and the main valve can be operated only by the hydraulic pressure of the valve itself, solving the problem of no large power supply in the large surface well.
- Guide valve uses floating ball valve principle, has changed the original needle valve structure to ensure that the guide valve will not block, not failure to ensure the normal opening of thousands of times.
- The guiding valve adopts duplex principle, which can prevent backflow of water at the back end when the water pressure drops at the front end, and has slow closing check function.
- he main valve uses the American diaphragm valve automatic control principle, thus ensuring that the main valve will not be stuck, to correct the shortcomings of the piston valve.
- Large and wide flow passage in the main valve ensures large flow flux and small pressure loss.
- Emergency valve opening function: when the valve is closed, it can manually open the valve with water. The operation method is simpler than the second generation to use, as long as the emergency valve above the lead seal removed, with three small hexagon hands clockwise rotation, to turn the water can be achieved when the emergency valve (the operation process will spray water attention to avoid blocking).



HYDRAULIC PERFORMANCE										
Size	mm	50	65	80	100	125	150	200	250	300
Metrological class		R(Q3/Q1) ⩽ 100								
		Q2/Q1 ⩽ (1.6/4)								
Q3	m^3/h	25	40	63	100	160	250	400	630	1000
TECHNICAL SPECIFICATIONS										
Maximum permissible error Between Q1and Q2(excluded)		±5%								
Maximum permissible error Between Q2(included)and Q4		±2% with water temperature ⩽ 30°C								
Temperature class		Cold water:0°C ~40°C Hot water:40°C ~90°C								
Pressure loss class		△ p63								
Nominal pressure	bar	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16
Min reading	m^3	0.001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.01
Max reading	m^3	9,999,999	9,999,999	9,999,999	9,999,999	99,999,999	99,999,999	99,999,999	99,999,999	99,999,999
Valve length	mm	230	223	300	332	350	405	440	570	640
L	mm	280	200	225	250	250	300	350	400	450
L1	mm	530	423	525	582	600	705	790	970	1090
W	mm	165	165	200	220	260	285	340	370	445
H	mm	305	305	345	385	420	490	530	630	670
CONNECTING FLANGE										
Outside connection flange D1		165	185	200	220	250	285	340	395	445
									405	460
Bolt hole center circle diameterD2		125	145	160	180	210	240	295	350	400
									355	410
Connecting bolts n-M		4-M16	4-M16	8-M16	8-M16	8-M16		8-M20 (1.0MPa)	12-M20 (1.0MPa)	12-M20 (1.0MPa)
							8-M20 (16MPa)	8-M20 (16MPa)	12-M24 (16MPa)	12-M24 (16MPa)