

## **LXXG-50A-300A**

### **Woltman type irrigation & agriculture water meter**

This type of water meter can be used for a remote reading transmission system as equipped with a built-in sensor.



### **Application**

--Measuring the volume of cold (hot) water passing through the pipeline

### **Feature:**

--Large flow capacity, small pressure loss;

--Vacuum sealed register ensures the dial keep free from condensation and keep the reading clear in a long term service;

--Technical data conform to international standard ISO 4064.

### **Working condition**

Water temperature:  $0.1^{\circ}\text{C} \sim 40^{\circ}\text{C}$  ( $0.1^{\circ}\text{C} \sim 90^{\circ}\text{C}$  for hot water meter)

Water pressure:  $\leq 1.0\text{Mpa}$  (1.6MPa on request)

### **Maximum permissible errors**

(1) in the lower zone from  $q_{\min}$  inclusive up to but excluding  $q_t$  is  $\pm 5\%$

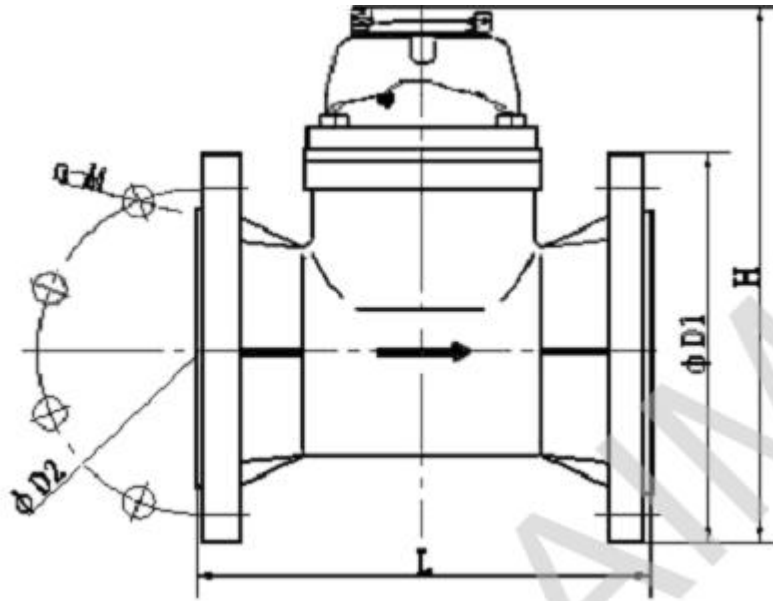
(2) in the upper zone from  $q_t$  inclusive up to and including  $q_s$  is  $\pm 2\%$  ( $\pm 3\%$  for hot water meter)

## MAIN TECHNICAL SPECIFICATIONS FOR COLD WATER

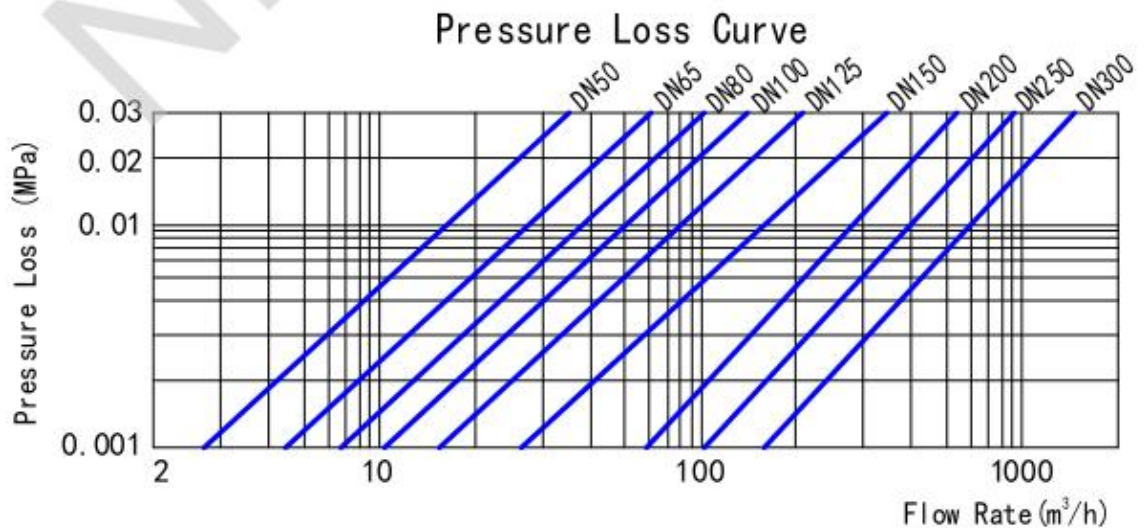
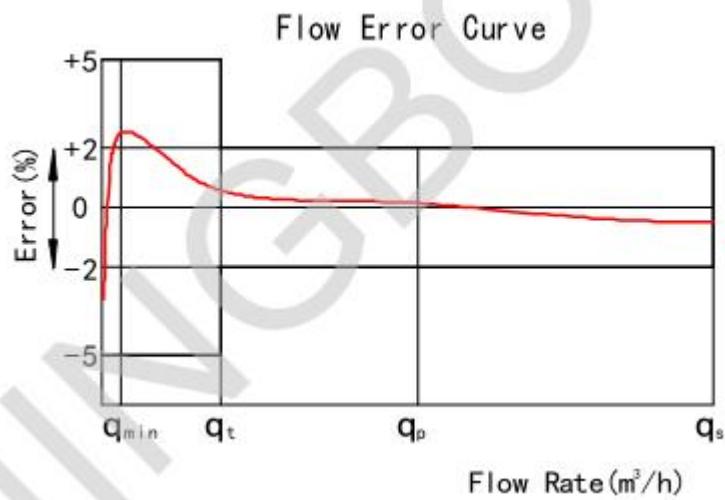
Type	Size (mm)	Class	q <sub>s</sub>		q <sub>p</sub>		q <sub>t</sub>		q <sub>min</sub>		Min.	Max.
			Overload	Flow	Permanent	Flow	Transitional Flow		Min.	Flow	Reading	Reading
			m <sup>3</sup> /h								m <sup>3</sup>	
LXXG -50A	50	A	30		15		4.5	1.2	0.0002	999,999		
		B					3.0	0.45				
LXXG -65A	65	A	50		25		7.5	2.0	0.002	999,999		
		B					5	0.75				
LXXG -80A	80	A	80		40		12	3.2	0.002	999,999		
		B					8.0	1.2				
LXXG-100A	100	A	120		60		18	4.8	0.002	999,999		
		B					12	1.8				
LXXG -125A	125	A	200		100		30	8	0.002	999,999		
		B					20	3				
LXXG -150A	150	A	300		150		45	12	0.002	999,999		
		B					30	4.5				
LXXG -200A	200	A	500		250		75	20	0.002	999,999		
		B					50	7.5				
LXXG -250A	250	A	800		400		120	32	0.02	9,999,999		
		B					80	12				
LXXG -300A	300	A	1200		600		180	48	0.02	9,999,99		

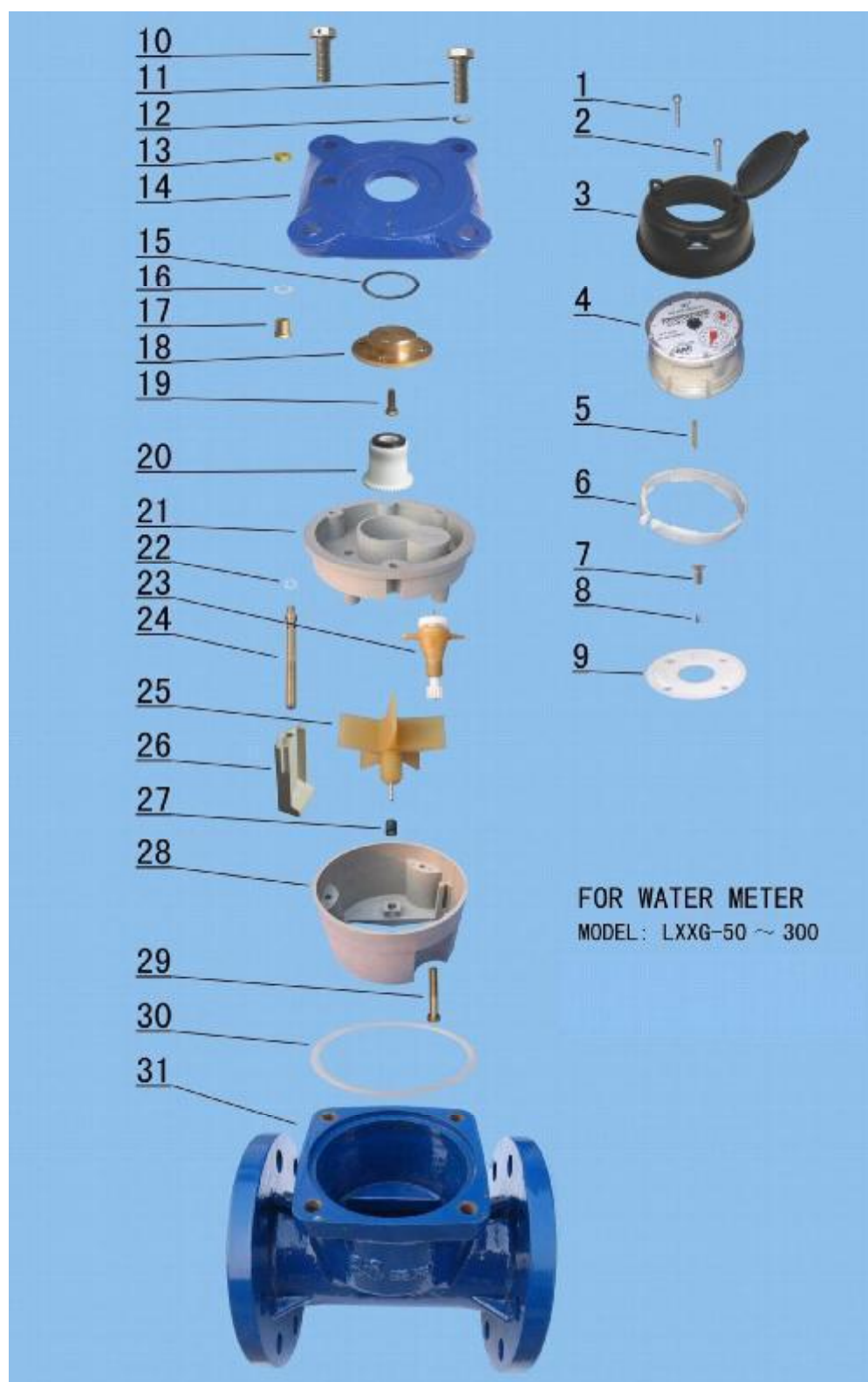
## DIMENSIONS

Type	Size	L Length	H Height	Connecting flange			
	MM			$\phi$ D1 Outside diameter	$\phi$ D2 Bolt circle diameter	Connecting Bolts (n-M)	
LXXG-50A	50	200	253	165	125	4-M16	
LXXG-65A	65	200	268	185	145	4-M16	
LXXG-80A	80	225	284	200	160	8-M16	
LXXG-100A	100	250	295	220	180	8-M16	
LXXG-125A	125	250	310	250	210	8-M16	
LXXG-150A	150	300	339	285	240	8-M20	
LXXG-200A	200	350	382	340	295	8-M20 (1.0MPa)	
						12-M20 (1.6MPa)	
LXXG-250A	250	400	433	395	350	12-M20 (1.0MPa)	
		450	438	405	355	12-M24 (1.6MPa)	
LXXG-300A	300	450	483	445	400	12-M20 (1.0MPa)	
		500	488	460	410	12-M24 (1.6MPa)	



NOTE: The flange dimension conforms to ISO7005-2:1988 standard. Order for products of special requirements is also accepted.





WI-50~300 HORIZONTAL VANE WHEEL, DRY-DIAL COLD WATER METER

Code	Description	Material	QTY
1	Screw M5×45 For Sealing	Stainless Steel	1
2	Screw M5×45	Stainless Steel	1
3	Cover With Lid	Assembly	1
4	Sealed Register	Assembly	1
5	Fixing pin	Brass	1
6	Retainer Ring	ABS	1
7	Screw	Brass	4
8	Pin	Stainless Steel	1
9	Support	ABS	1
10	Bolt For Sealing	Stainless Steel	2
11	Bolt M12×35	Stainless Steel	2
12	Gasket	Stainless Steel	4
13	Adjusting Nut	Brass	1
14	Flange Plate	Cast Iron	1
15	O-ring	Silicon Rubber	1
16	O-ring	Silicon Rubber	1
17	Bush For Adjustment	Brass	1
18	Upper Bearing Plate	Brass	1
19	Screw	Brass	4
20	Lower Central Gear	Component	1
21	Cover Plate	MPPO	1
22	O-ring For Adjustment	Rubber	2
23	Transmission Gear Component	Assembly	1
24	Adjusting Lever	Brass	1
25	Turbine	Component	1
26	Adjusting Plate	MPPO	1
27	Bush with Agate	Nylon with Graphite	1
28	Measuring Chamber	MPPO	1
29	Fixing Screw	Brass	3
30	O-ring	Rubber	1
31	Body	Cast Iron	1