

LXLC-B 40MM – 600MM WOLTMANN WATER METER

The METRON model LXLC-B is a Woltmann-type helical vane water meter designed to measure the bulk flows of cold potable water. It is ideally suitable for industrial or commercial applications and for distribution system management.

FEATURES

- Removable internal mechanism without breaking flange connections
- Easy installation and maintenance.
- Dry dial register with magnetic drive.
- Direct reading register across all meter sizes for easy manual reading.
- Large flow capacity with low pressure loss.
- Cast Iron epoxy coated body.
- Pulse output included for remote reading device.
- Serial number traceability.
- Substantially exceeds class B requirements.



WORKING PARAMETERS

- 0,1°C < cold water ≤ 50°C
- Max pressure: PN16
- Orientation: Horizontal

COMPLIANCE

- SANS 1529-1: 2019
- ISO 4064: 2014

HYDRAULIC PERFORMANCE

Size	mm	40	50	80	100	150	200	250	300	350	400	500	600
Metrological class		B	B	B	B	B	B	B	B	B	B	B	B
		R40	R50	R50	R50	R50	R50	R50	R50	R50	R50	R50	R50
Q4 (Qs)	m³/h	20	31.25	78.75	125	312.5	500	787.5	1250	1750	2000	3125	5000
Q3 (Qp)	m³/h	16	25	63	100	250	400	630	1000	1400	1600	2500	4000
Q2 (Qt)	m³/h	0.64	0.8	2.02	3.2	8	12.8	20.16	32	176.4	252	315	504
Q1 (Qmin)	m³/h	0.4	0.5	1.26	2	5	8	12.6	20	28	40	40	80
Max. permissible error between Q1 & Q2 (excl)		± 5%											
Max. permissible error between Q2 (incl) & Q4		± 2%											
Temperature class		T50 (0.1°C ~ 50°C)											
Nominal pressure	Bar	16 (25 Bar on request)											
Min. reading	m³	0.0005										0.01	
Max. reading	m³	999,999										9,999,999	
Pulse value	l/imp	100										1,000	

DIMENSIONS

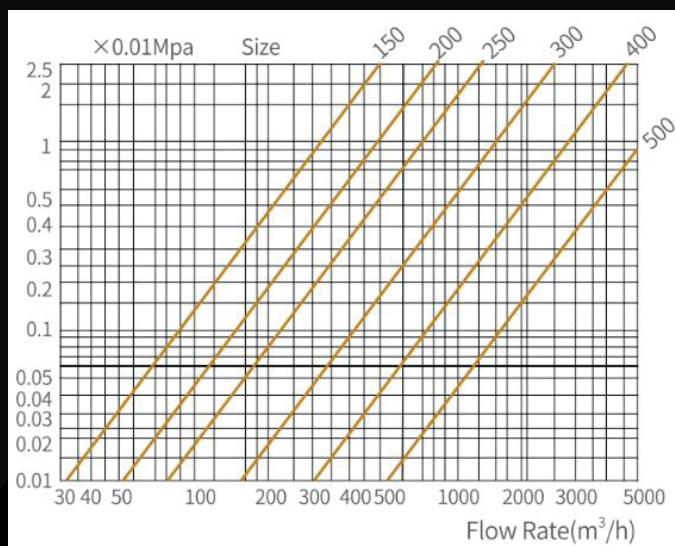
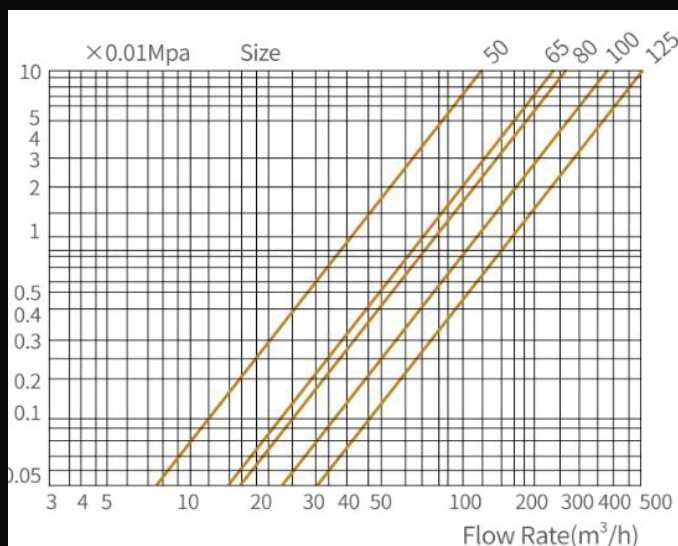
L	mm	200	200	225	250	300	350	450	500	500	600	800	800
H	mm	220	250	255	265	310	350	450	480	590	660	760	760
Weight	Kg	10	11	13.6	16	23	33	65	85	152	220	350	350

CONNECTING BOLTS

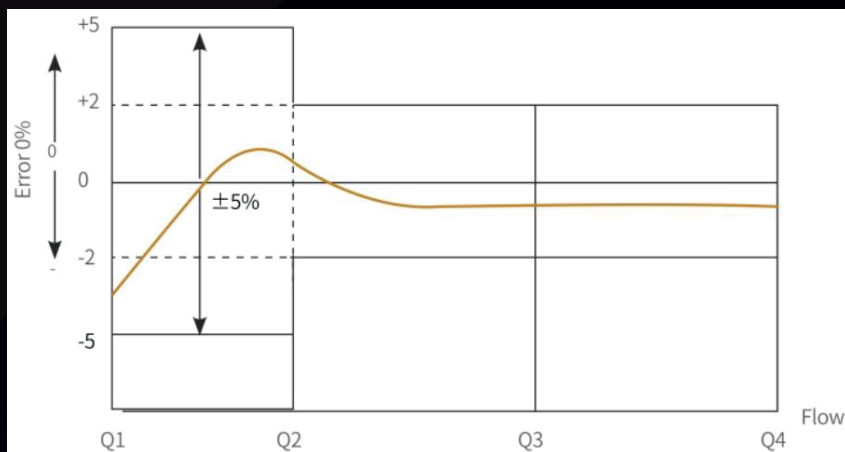
Flange Ø	mm	150	165	200	220	280	340	405	460	520	580	715	715
Bolt circle Ø	mm	110	125	160	180	240	295	355	410	460	515	620	620
Connecting bolts		4-M16	4-M16	4-M16	8-M16	8-M16	8-M16	12-M24	12-M24	16-M24	16-M27	20-M30	20-M30

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HEAD LOSS DATA



ERROR CURVE



TYPICAL SPECIFICATION

Woltmann type helical vane inferential flow meter substantially exceeding class B accuracy with interchangeable magnetic driven mechanism. Dry dial with direct reading register for all meter sizes, hermetically sealed up to IP68 with built in pulse output. Flange drilled to BS 4504 PN16 or dual drilled to BS 10 table D

TYPICAL SPECIFICATION

The company shall at its discretion repair or replace any METRON LXLC-B meter which proves to be faulty due to poor workmanship or defective materials within a period of 2 years from date of manufacture. This warranty does not include consequential damages or wear and tear considered normal at the place of installation.