

V. 2025-1



WENLING YOUNIO WATER METER CO.,LTD.

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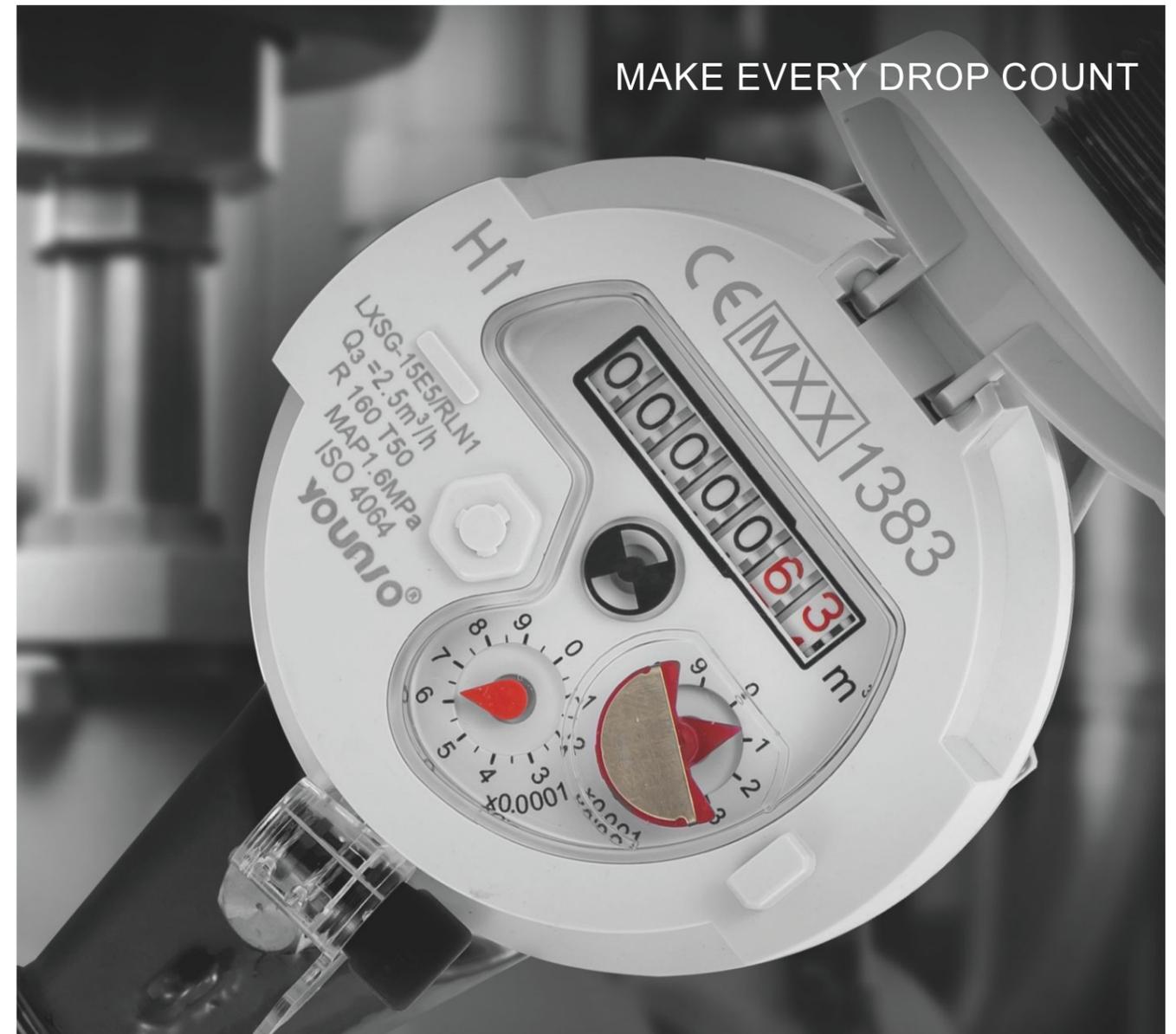
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WWW.YOUNIO.COM

Water Meter
Medidor de água
Водомер
Wasserzähler
Compteur d'eau
المياه متر
Μετρητής νερού

WATER METER

MAKE EVERY DROP COUNT



ISO9001 ISO14001
ISO45001 ISO27001 ISO20000

younio®

COMPANY PROFILE



12000+

The factory covers an area of over 12000 square meters

WENLING YOUNIO WATER METER CO.,LTD, formerly known as Zhejiang Younio Water Supply Equipment Co.,Ltd, was founded in 1983. In 2011, Younio signed an official agreement with Sanchuan Wisdom Technology Co.,Ltd (Stock Code.30066) which enabled the company to go public.

150+

With a staff of over 150

The company is engaged in R&D, manufacturing, sales, and service of various types of water meters, spare parts, and systems. The product range includes single jet water meters, multi jet water meters, volumetric water meters, woltman water meters, and smart water meters. These products are exported to more than 70 countries.

70+

Exported to over 70 countries and regions

The company is committed to creating a one-stop intelligent water service system and promotes the enterprise mode of "intelligent connection, win-win cooperation." Younio keep adhere to the goal of "improvement and customer satisfaction". To ensure quality, Younio has obtained several certifications including ISO9001, ISO14001, ISO45001, ISO27001, ISO20000. Younio have also obtained EU MID B+D mode certification in 2016.



ISO9001 ISO14001
ISO45001 ISO27001 ISO20000

YOUNIO®

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LXSG-xxD8/RLN1 (DN15-DN20)

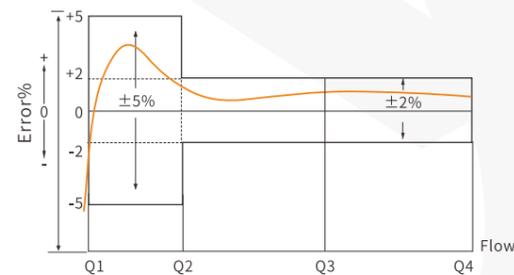
R200



High accuracy R200.
For cold water in the diameters 15 to 20mm.



Error Curve



Features

- . Brass Body
- . Dry register to keep clean reading for long time
- . With inductive Pre-equipped
- . Magnetic drive with anti-magnetic protection
- . 360° rotating dial

Upon Request

- . Several length and connections available on request
- . Non-return valve
- . Pulse output 1L/Pulse, 10L/Pulse

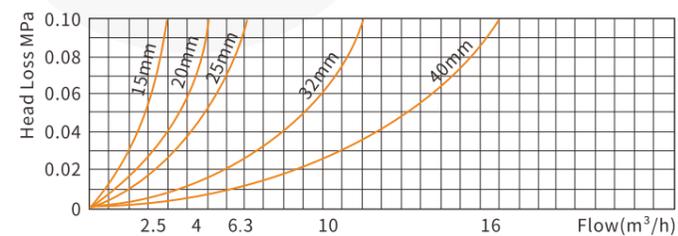
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

Maximum Permissible Error

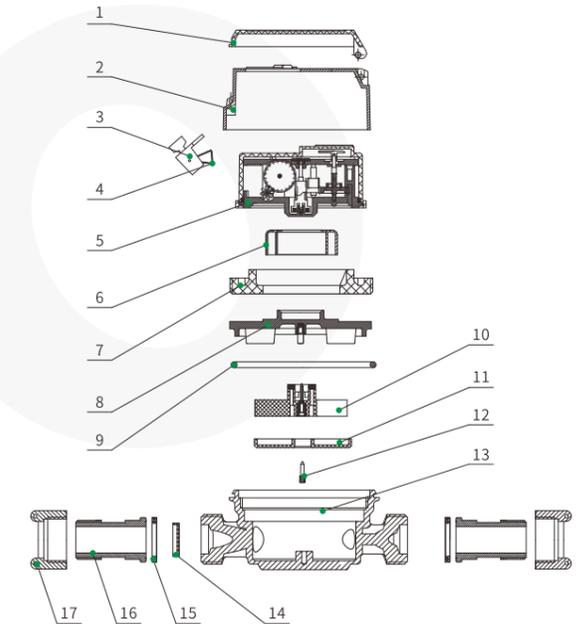
- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Head Loss Curve



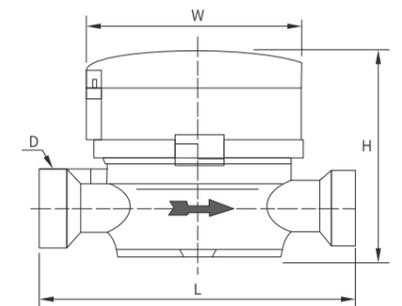
Exploded View

1	Lid	10	Vane wheel
2	Cover	11	Bottom plate
3	Lead seal	12	Pivot
4	Wire	13	Meter body
5	Register	14	Filter
6	Magnetic shield	15	Gasket
7	Locking ring	16	Liner
8	Cover plate	17	Nut
9	O-ring	-	-



Technical Features

(DN)[mm]	15	20	
Size (inch)	1/2"	3/4"	
(Q4) [m³/h]	3.125	5	
(Q3) [m³/h]	2.5	4	
R100	(Q2) [l/h]	40	64
	(Q1) [l/h]	25	40
R125	(Q2) [l/h]	32	51.2
	(Q1) [l/h]	20	32
R160	(Q2) [l/h]	25	40
	(Q1) [l/h]	15.62	25
R200	(Q2) [l/h]	20	32
	(Q1) [l/h]	12.5	20
Indicating range [m³]	99 999		
Resolution of the indicating device [m³]	0.00005 or 0.00002		
Temperature class	T30 and T50		
Water pressure classes	MAP 10 or MAP 16		
Pressure-loss classes	$\Delta p63$		
Orientation limitation	U0D0		



Dimension

(DN) [mm]	15	20
Size(inch)	1/2"	3/4"
Length(L) [mm]	110/115	130
Width(W) [mm]	80	80
Height(H) [mm]	80.5	83
Connection Thread (D)	G3/4"B	G1"B



LXSG-xxD3/RLN1 (DN15-DN40)



Option



LXSG-xxD3/LFN1 (Magnetic)

Features

- . Dry dial, Vacuum sealed to keep clean reading for long time
- . Magnetic transmission
- . Antimagnetic type
- . 360° Rotating dial

Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 1L/Pulse, 10L/Pulse
- . Coppe can register and plastic can register

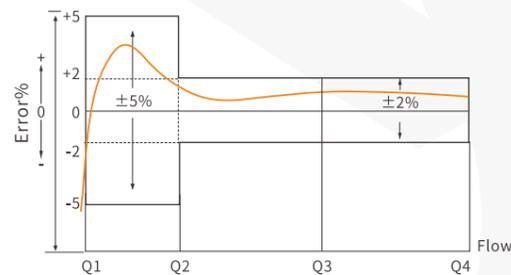
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

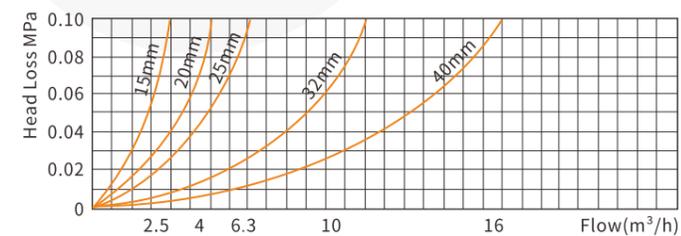
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Error Curve

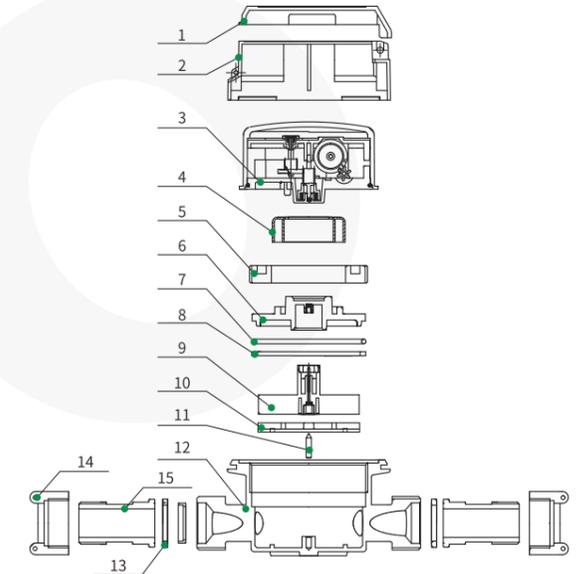


Head Loss Curve



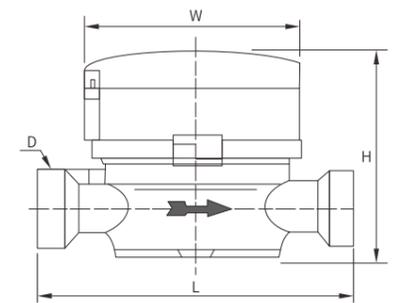
Exploded View

1	Lid	10	Flux regulator
2	Cover	11	Pivot
3	Register	12	Body
4	Anti-magnetic ring	13	Strainer
5	Sealing ring	14	Nut
6	Sealing plate	15	Liner
7	Gasket	-	-
8	Gasket	-	-
9	Impeller	-	-



Technical Features

(DN)[mm]	15	20	25	32	40	
Size (inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	
(Q4) [m³/h]	3.125	5	7.875	12.5	20	
(Q3) [m³/h]	2.5	4	6.3	10	16	
R80	(Q2) [l/h]	50	80	126	200	320
	(Q1) [l/h]	31.25	50	78.75	125	200
R100	(Q2) [l/h]	40	64	100.8	160	256
	(Q1) [l/h]	25	40	63	100	160
R125	(Q2) [l/h]	32	51.2	80.64	128	204.8
	(Q1) [l/h]	20	32	50.4	80	128
R160	(Q2) [l/h]	25	40	63	100	160
	(Q1) [l/h]	15.62	25	39.37	62.5	100
Indicating range[m³]	99 999					
Resolution of the indicating device[m³]	0.00005 or 0.00002					
Temperature class	T30 and T50					
Water pressure classes	MAP 16					
Pressure-loss classes	Δ P63					



Dimension

(DN)[mm]	15	20	25	32	40
Size(inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"
Length(L)[mm]	110/115	130	160	160	200
Width(W)[mm]	80	80	80	102	102
Height(H)[mm]	80.5	83	91.5	119	119
Connection Thread(D)	G3/4"B	G1"B	G1¼"B	G½"B	G2"B



LXSG-xxD3/S/RLN1 (DN15-DN20)



Option



LXSG-xxD3/S/LFN1 (Magnetic)

Features

- . Plastic body
- . Dry dial, Vacuum sealed to keep clean reading for long time
- . Magnetic transmission
- . Antimagnetic type
- . 360° Rotating dial

Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 1L/Pulse, 10L/Pulse
- . Coppe can register and plastic can register

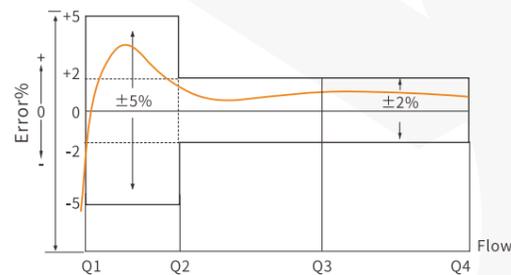
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

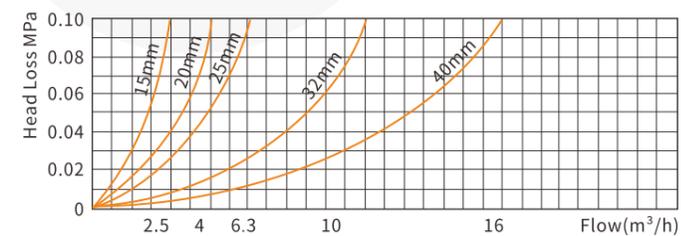
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Error Curve

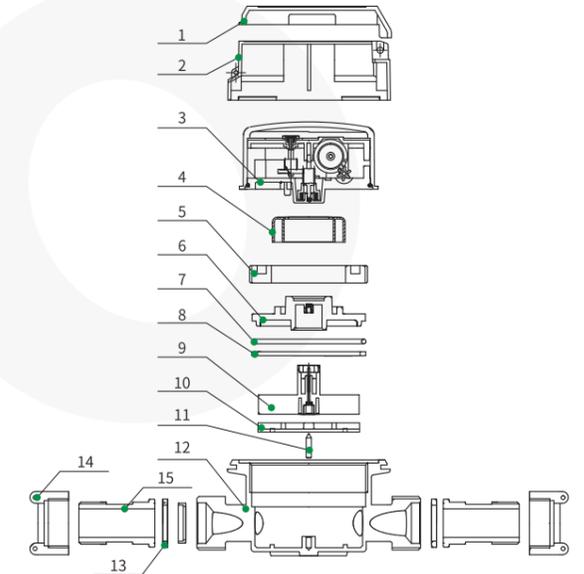


Head Loss Curve



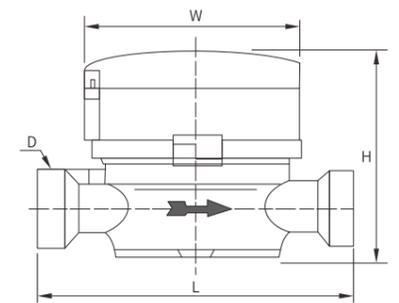
Exploded View

1	Lid	10	Flux regulator
2	Cover	11	Pivot
3	Register	12	Body
4	Anti-magnetic ring	13	Strainer
5	Sealing ring	14	Nut
6	Sealing plate	15	Liner
7	Gasket	-	-
8	Gasket	-	-
9	Impeller	-	-



Technical Features

(DN)[mm]	15	20	
Size (inch)	1/2"	3/4"	
(Q4) [m³/h]	3.125	5	
(Q3) [m³/h]	2.5	4	
R80	(Q2) [l/h]	50	80
	(Q1) [l/h]	31.25	50
R100	(Q2) [l/h]	40	64
	(Q1) [l/h]	25	40
R125	(Q2) [l/h]	32	51.2
	(Q1) [l/h]	20	32
R160	(Q2) [l/h]	25	40
	(Q1) [l/h]	15.62	25
Indicating range[m³]	99 999		
Resolution of the indicating device[m³]	0.00005 or 0.00002		
Temperature class	T30 and T50		
Water pressure classes	MAP 16		
Pressure-loss classes	Δ P63		



Dimension

(DN)[mm]	15	20
Size(inch)	1/2"	3/4"
Length(L)[mm]	110/115	130
Width(W)[mm]	80	80
Height(H)[mm]	80.5	83
Connection Thread(D)	G3/4"B	G1"B



LXSG-xxD4/NL3 (DN15-DN20)



For cold water in the diameters 15 to 20mm.



Option



LXSG-xxD4/S/NL3 (Plastic body)

Features

- . Brass Body with external adjusting
- . Inclined dry register to keep clean reading for long time
- . With inductive Pre-equipped(10l/pulse)
- . Magnetic drive with anti-magnetic protection
- . 360° rotating dial

Upon Request

- . Several length and connections available on request
- . Non-return valve
- . Pulse output 1L/Pulse, 10L/Pulse
- . Copper can register and plastic can register

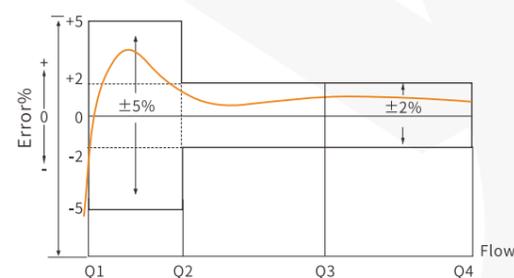
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

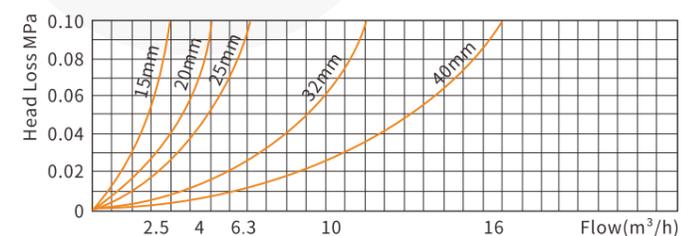
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Error Curve

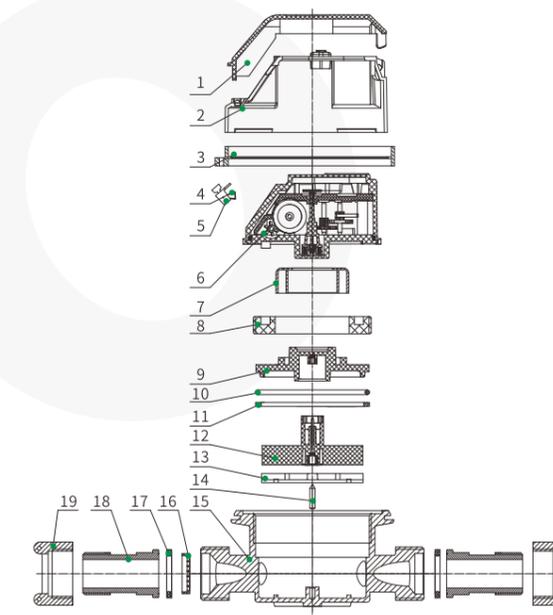


Head Loss Curve



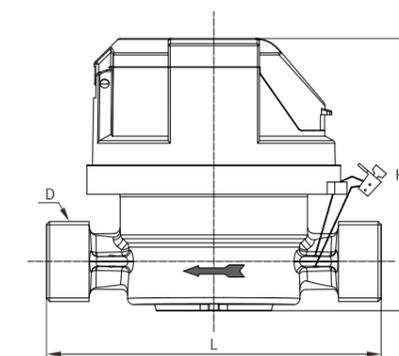
Exploded View

1	Lid	11	Gasket
2	Cover	12	Vane wheel
3	Guard ring	13	Bottom plate
4	Wire	14	Pivot
5	Lead seal	15	Meter body
6	Register	16	Filter
7	Magnetic shield	17	Gasket
8	Locking ring	18	Liner
9	Cover plate	19	Nut
10	O-ring	-	-



Technical Features

(DN)[mm]	15	20	
Size (inch)	1/2"	3/4"	
(Q4) [m³/h]	3.125	5	
(Q3) [m³/h]	2.5	4	
R80	(Q2) [l/h]	50	80
	(Q1) [l/h]	31.25	50
R100	(Q2) [l/h]	40	64
	(Q1) [l/h]	25	40
R125	(Q2) [l/h]	32	51.2
	(Q1) [l/h]	20	32
R160	(Q2) [l/h]	25	40
	(Q1) [l/h]	15.62	25
Indicating range [m³]	99 999		
Resolution of the indicating device [m³]	0.00005 or 0.00002		
Temperature class	T30 and T50		
Water pressure classes	MAP 16		
Pressure-loss classes	Δp_{63}		
Orientation limitation	U0D0		



Dimension

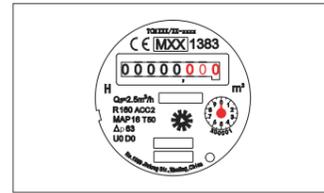
(DN) [mm]	15	20
Size(inch)	1/2"	3/4"
Length(L) [mm]	110/115	130
Width(W) [mm]	80	80
Height(H) [mm]	80.5	83
Connection Thread (D)	G3/4"B	G1"B



LXSG-xxD3e (DN15-DN40)



Dial



Features

- . Dry dial, Vacuum sealed to keep clean reading for long time
- . Magnetic transmission
- . Antimagnetic type
- . 360° Rotating dial

Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 10L/Pulse

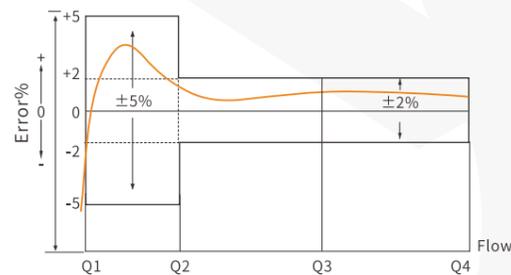
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

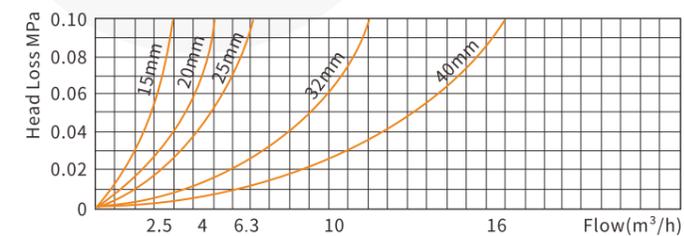
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Error Curve

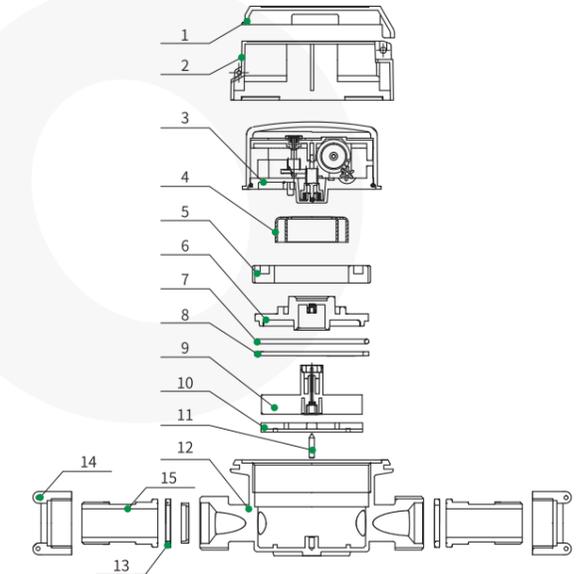


Head Loss Curve



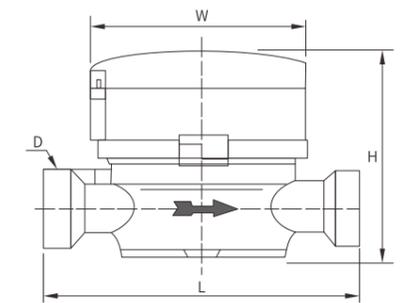
Exploded View

1	Lid	10	Flux regulator
2	Cover	11	Pivot
3	Register	12	Body
4	Anti-magnetic ring	13	Strainer
5	Sealing ring	14	Nut
6	Sealing plate	15	Liner
7	Gasket	-	-
8	Gasket	-	-
9	Impeller	-	-



Technical Features

(DN)[mm]	15	20	25	32	40	
Size (inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	
(Q4) [m³/h]	3.125	5	7.875	12.5	20	
(Q3) [m³/h]	2.5	4	6.3	10	16	
R80	(Q2) [l/h]	50	80	126	200	320
	(Q1) [l/h]	31.25	50	78.75	125	200
R100	(Q2) [l/h]	40	64	100.8	160	256
	(Q1) [l/h]	25	40	63	100	160
R125	(Q2) [l/h]	32	51.2	80.64	128	204.8
	(Q1) [l/h]	20	32	50.4	80	128
R160	(Q2) [l/h]	25	40	63	100	160
	(Q1) [l/h]	15.62	25	39.37	62.5	100
Indicating range[m³]	99 999					
Resolution of the indicating device[m³]	0.00005 or 0.00002					
Temperature class	T30 and T50					
Water pressure classes	MAP 16					
Pressure-loss classes	Δ P63					



Dimension

(DN)[mm]	15	20	25	32	40
Size(inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"
Length(L)[mm]	110/115	130	160	160	200
Width(W)[mm]	80	80	80	102	102
Height(H)[mm]	80.5	83	91.5	119	119
Connection Thread(D)	G3/4"B	G1"B	G1¼"B	G½"B	G2"B



LXSG(R)-xxD3 (DN15-DN40)



Single jet, dry dial, direct reading. Produced in the versions for cold water (30°C) and hot water (90°C) in the diameters 15 to 40mm. 360° rotating dial. Long durability and elevated precision guaranteed.

Option



LXSG-13D3/F

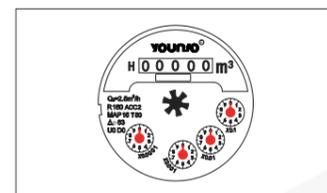
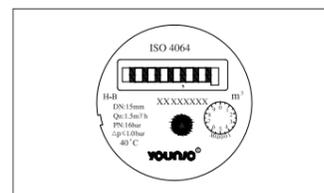


LXSG-13D3/S



LXSG-40D3

Dial



Features

- . Dry-dial, magnetic drive, protected against external magnetic tampering
- . Dry register and register with 5 or 8 numbered roller
- . Vacuum-sealed register, keeps clear reading for long time
- . Brass body or plastic body, optional
- . Brass body can be painted or nickel coated
- . The meters conform to ISO4064 Standard Class B

Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 10L/Pulse

Working Condition

- . Water Temperature $\leq 30^\circ\text{C}$ for cold water ($\leq 90^\circ\text{C}$ for hot water)
- . Water pressure $\leq 1\text{MPa}$ (PN: 1.6MPa/16bar)
- . $\Delta P \leq 0.1\text{MPa}$

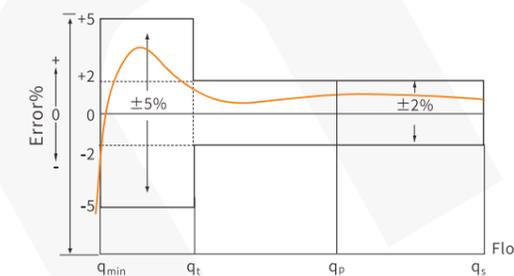
Accuracy

- . From minimum flow-rate (q_{\min}) inclusive, to transitional flow-rate (q_t) exclusive: $\pm 5\%$
- . From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s) exclusive: $\pm 2\%$ (Hot water meter: $\pm 3\%$)

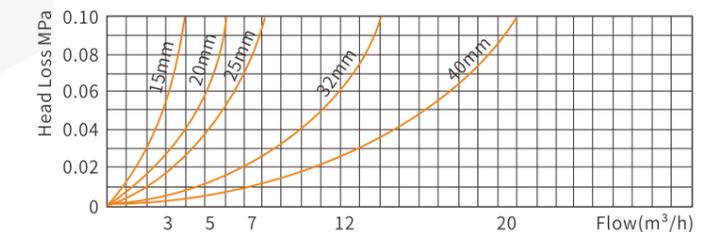
Technical Features

Nominal Size DN(mm)	Class of Measurement	Overload Flow-rate	Permanent Flow-rate	Transitional Flow-rate	Minimum Flow-rate
		$q_s(\text{m}^3/\text{h})$	$q_p(\text{m}^3/\text{h})$	$q_t(\text{l/h})$	$q_{\min}(\text{l/h})$
15	B	3	1.5	120	30
20	B	5	2.5	200	50
25	B	7	3.5	280	70
32	B	12	6	480	120
40	B	20	10	800	200

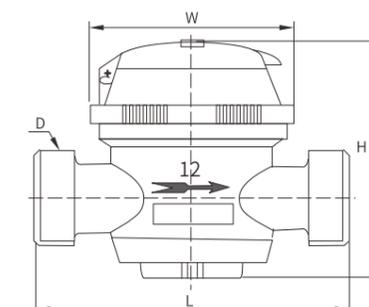
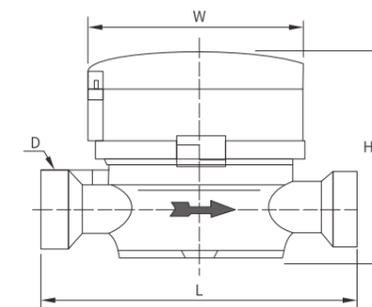
Error Curve



Head Loss Curve



Dimension



Type	Size	Length	Width	Height	Connecting Thread	Weight (kg)
	(mm)	L(mm)	W(mm)	H(mm)		
LXSG(R)-13D3	15	110	77	80	G $\frac{3}{4}$ "B	0.57
LXSG(R)-20D3	20	130	77	80	G1"B	0.67
LXSG(R)-25D3	25	160	77	85	G1 $\frac{1}{4}$ "B	0.91
LXSG(R)-32D3	32	160	101.5	120	G1 $\frac{1}{2}$ "B	1.41
LXSG(R)-40D3	40	200	101.5	120	G2"B	1.65



LXSG(R)-xxD1 (DN15-DN20)



Single jet, dry dial, direct reading. Produced in the versions for cold water (30°C) and hot water (90°C) in the diameters 15 to 20mm. 360° rotating dial. Long durability and elevated precision guaranteed.

Option

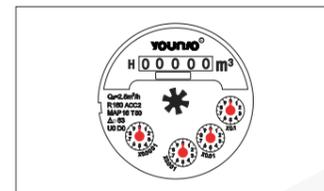
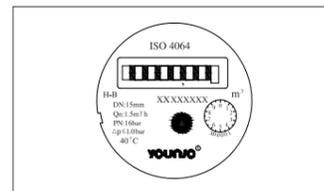


LXSG(R)-13D1/F



LXSG(R)-13D1b

Dial



Features

- . Dry register with 5 or 8 numbered roller
- . Brass body can be painted or nickel coated
- . Measuring unit is m³
- . The meters conform to ISO4064 Standard Class B

Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 10L/Pulse

Working Condition

- . Water Temperature ≤ 30°C for cold water (≤ 90°C for hot water)
- . Water pressure ≤ 1MPa (PN: 1.6MPa/16bar)
- . ΔP ≤ 0.1MPa

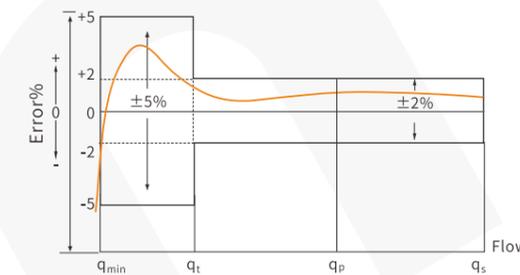
Accuracy

- . From minimum flow-rate (q_{min}) inclusive, to transitional flow-rate (q_t) exclusive: ±5%
- . From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s) exclusive: ±2% (Hot water meter: ±3%)

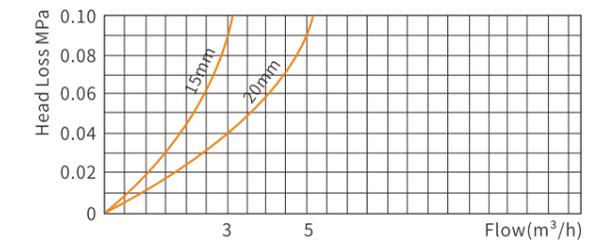
Technical Features

Nominal Size	Class of Measurement	Overload Flow-rate	Permanent Flow-rate	Transitional Flow-rate	Minimum Flow-rate
DN(mm)		q _s (m ³ /h)	q _p (m ³ /h)	q _t (l/h)	q _{min} (l/h)
15	B	3	1.5	120	30
20	B	5	2.5	200	50

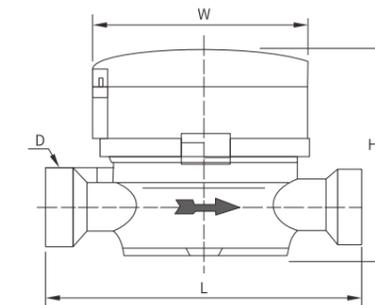
Error Curve



Head Loss Curve



Dimension



Type	Size	Length	Width	Height	Connecting Thread
	(mm)	L(mm)	W(mm)	H(mm)	D
LXSG(R)-13D1	15	110	78	65	G ³ / ₄ "B
LXSG(R)-20D1	20	130	78	69	G1"B



LXSG(R)-xxD4 (DN15-DN20)



Single jet, dry dial, direct reading. Produced in the versions for cold water (30°C) and hot water (90°C) in the diameters 15 to 20mm. 360° rotating dial. Long durability and elevated precision guaranteed.

Option

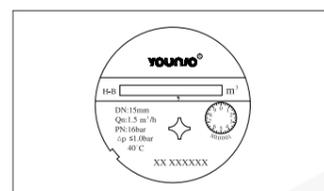
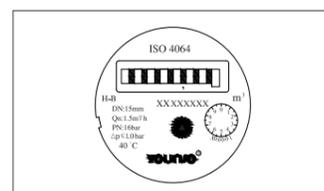


LXSG-13D4



LXSG-13D4

Dial



Features

- . Dry register with 8 numbered roller
- . Brass body can be painted or nickel coated
- . Measuring unit is m³
- . The meters conform to ISO4064 Standard Class B

Working Condition

- . Water Temperature ≤30°C for cold water (≤90°C for hot water)
- . Water pressure ≤1MPa (PN: 1.6MPa/16bar)
- . ΔP ≤0.1MPa (ClassB)
- . ΔP ≤0.063MPa (R80/R100)

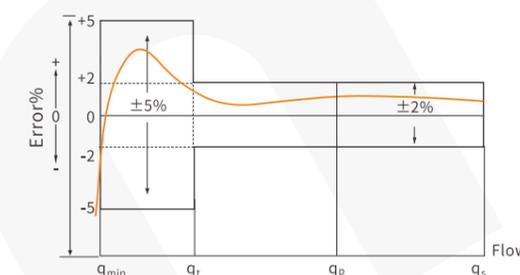
Accuracy

- . From minimum flow-rate (q_{min}) inclusive, to transitional flow-rate (q_t) exclusive: ±5%
- . From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s) exclusive: ±2% (Hot water meter: ±3%)

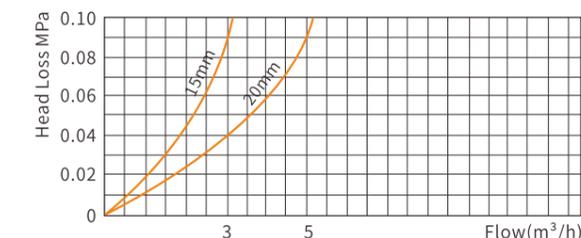
Technical Features

Nominal Size	Class of Measurement	Overload Flow-rate	Permanent Flow-rate	Transitional Flow-rate	Minimum Flow-rate
DN(mm)		qs(m ³ /h)	qp(m ³ /h)	qt(l/h)	qmin(l/h)
15	B	3 / 1.5	1.5 / 0.75	120 / 60	30 / 15
20	B	5 / 3 / 15	2.5 / 1.5 / 0.75	200 / 120 / 60	50 / 30 / 15

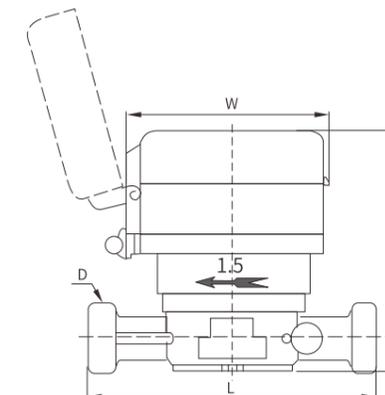
Error Curve



Head Loss Curve



Dimension



Type	Size	Length	Width	Height	Connecting Thread
	(mm)	L(mm)	W(mm)	H(mm)	D
LXSG(R)-13D4	15	110/115/165/190	77	90	G¾" B
LXSG(R)-20D4	20	110/115/130	80	90	G1" B

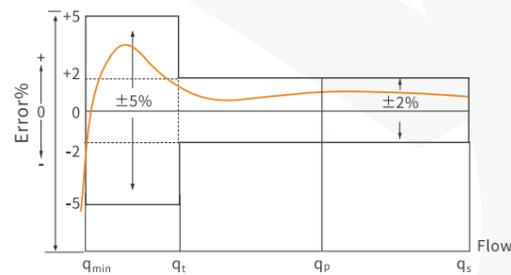


LXSY-xxD (DN15-DN20)

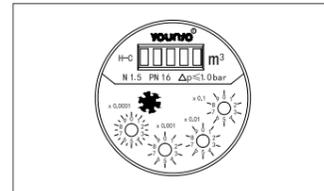


Single jet, semi liquid sealed dial keeps clear reading for long time, direct reading.
Produced in the versions for cold water (30°C) in the diameters 15 to 20mm.
Long durability and elevated precision guaranteed.

Error Curve



Dial



Features

- . Small light
- . Semi-liquid sealed dial register, keep the clear reading for long time
- . Brass body can be painted or nickel coated
- . High accuracy
- . The meters conform to ISO4064 Standard Class C / R160

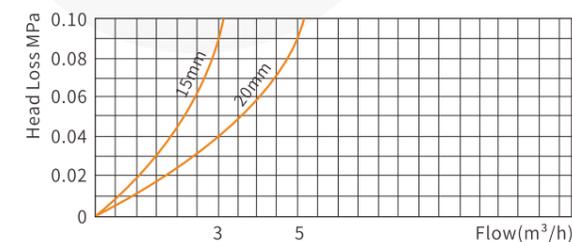
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water
- . Water pressure $\leq 1\text{MPa}$ (PN: 1.6MPa/16bar)
- . $\Delta P \leq 0.1\text{MPa}$

Accuracy

- . From minimum flow-rate (q_{\min}) inclusive, to transitional flow-rate (q_t) exclusive: $\pm 5\%$
- . From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s) exclusive: $\pm 2\%$

Head Loss Curve

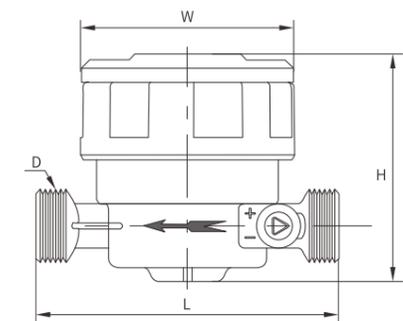


Technical Features

(DN)[mm]	15	20	
Size (inch)	1/2"	3/4"	
(Q4) [m³/h]	3.125	5	
(Q3) [m³/h]	2.5	4	
R80	(Q2) [l/h]	50	80
	(Q1) [l/h]	31.25	50
R100	(Q2) [l/h]	40	64
	(Q1) [l/h]	25	40
R125	(Q2) [l/h]	32	51.2
	(Q1) [l/h]	20	32
R160	(Q2) [l/h]	25	40
	(Q1) [l/h]	15.62	25
Indicating range [m³]	99 999		
Resolution of the indicating device [m³]	0.00005 or 0.00002		
Temperature class	T30 and T50		
Water pressure classes	MAP 16		
Pressure-loss classes	$\Delta p 63$		
Orientation limitation	U0D0		

Dimension

Type	LXSY-13D	LXSY-20D
Size(mm)	15	20
Length(L) [mm]	110	130
Width(W) [mm]	78	78
Height(H) [mm]	85	85
Connection Thread (D)	G3/4"B	G1"B



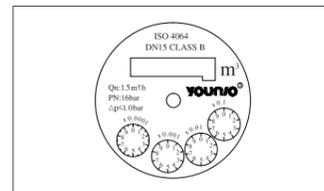


LXS-xxD1 (DN15-DN25)



Single jet, wet dial, direct reading.
Produced in the versions for cold water (30°C)
in the diameters 15 to 25mm.
Long durability and elevated precision
guaranteed.

Dial



Features

- . Small, light
- . For cold water or hot water
- . Wet-dial register
- . Brass body can be painted or nickel coated
- . High accuracy
- . The meters conform to ISO4064 Standard Class B

Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water
- . Water pressure $\leq 1\text{MPa}$ (PN: 1.6MPa/16bar)
- . $\Delta P \leq 0.1\text{MPa}$

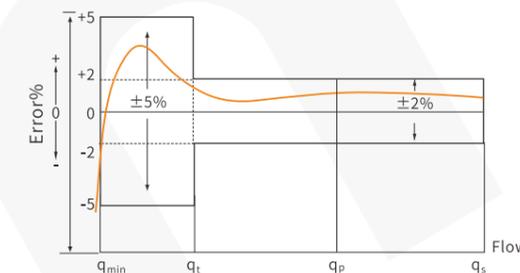
Accuracy

- . From minimum flow-rate (q_{\min}) inclusive, to transitional flow-rate (q_t) exclusive: $\pm 5\%$
- . From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s) exclusive: $\pm 2\%$

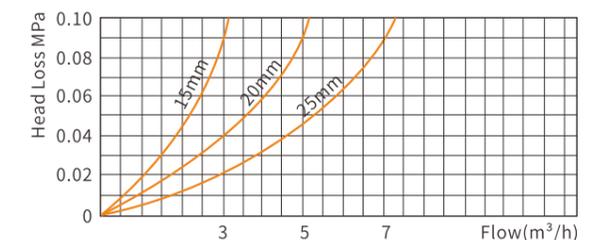
Technical Features

Nominal Size	Class of Measurement	Overload Flow-rate	Permanent Flow-rate	Transitional Flow-rate	Minimum Flow-rate
DN(mm)		$q_s(\text{m}^3/\text{h})$	$q_p(\text{m}^3/\text{h})$	$q_t(\text{l/h})$	$q_{\min}(\text{l/h})$
15	B	3	1.5	120	30
20	B	5	2.5	200	50
25	B	7	3.5	280	70

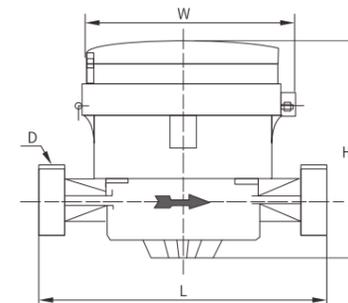
Error Curve



Head Loss Curve



Dimension



Type	Size	Length	Width	Height	Connecting Thread
	(mm)	L(mm)	W(mm)	H(mm)	D
LXS-13D1	15	110	80	86	G $\frac{3}{4}$ "B
LXS-20D1	20	130	80	86	G1"B
LXS-25D1	25	160	80	86	G1 $\frac{1}{4}$ "B



LXSG-xxE5/RLN1 (DN15-DN40)



Multi-jet, dry dial, pre-equipped for inductive



Option



LXSG-xxE5/LFN1 (Magnetic)

Features

- . Brass Body
- . Dry register to keep clean reading for long time
- . Magnetic drive with anti-magnetic protection
- . External regulating device

Upon Request

- . Several length and connections available on request
- . Non-return valve
- . Pulse output 1L/Pulse, 10L/Pulse
- . Coppe can register and plastic can register

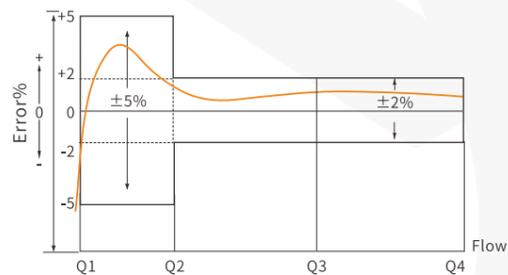
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

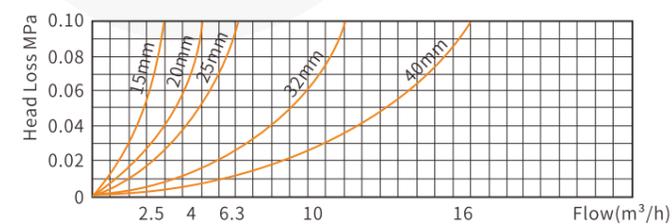
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Error Curve

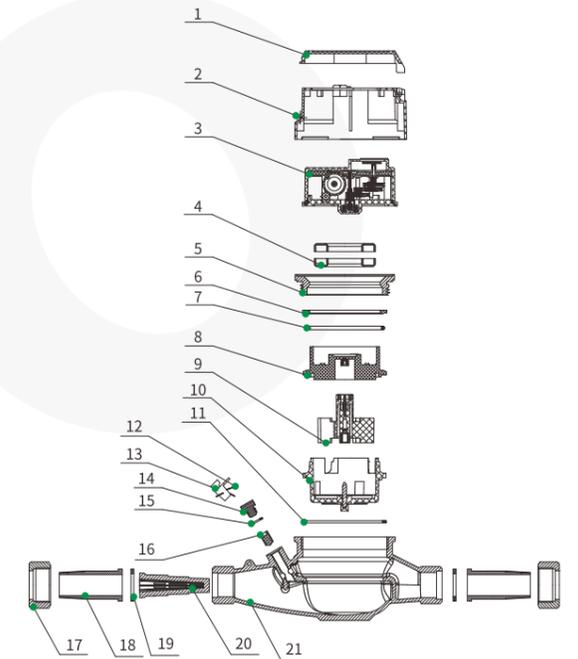


Head Loss Curve



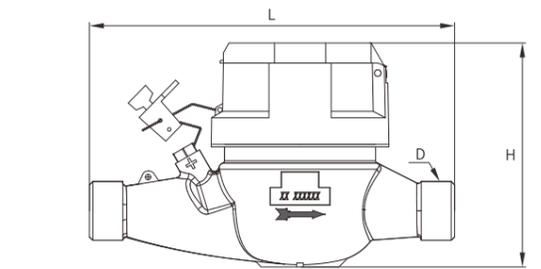
Exploded View

1	Lid	12	Wire
2	Shroud	13	Lead seal
3	Register	14	Adjusting screw
4	Magnetic shield	15	Gasket
5	Locking ring	16	Adjusting insert
6	Gasket	17	Nut
7	O-ring	18	Liner
8	Cover plate	19	Gasket
9	Vane wheel	20	Filter
10	Chamber	21	Meter body
11	Gasket	-	-



Technical Features

(DN)[mm]	15	20	25	32	40	
Size (inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	
(Q4) [m³/h]	3.125	5	7.875	12.5	20	
(Q3) [m³/h]	2.5	4	6.3	10	16	
R80	(Q2) [l/h]	50	80	126	200	320
	(Q1) [l/h]	31.25	50	78.75	125	200
R100	(Q2) [l/h]	40	64	100.8	160	256
	(Q1) [l/h]	25	40	63	100	160
R125	(Q2) [l/h]	32	51.2	80.64	128	204.8
	(Q1) [l/h]	20	32	50.4	80	128
R160	(Q2) [l/h]	25	40	63	100	160
	(Q1) [l/h]	15.62	25	39.37	62.5	100
Indicating range[m³]	99 999					
Resolution of the indicating device[m³]	0.00005 or 0.00002					
Temperature class	T30 and T50					
Water pressure classes	MAP 16					
Pressure-loss classes	Δ P63					



Dimension

(DN)[mm]	15	20	25	32	40
Size (inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"
Length(L)[mm]	165/190	190	260	260	300
Width(W)[mm]	81	81	86	86	115
Height(H)[mm]	100	100	110	110	120
Connection Thread(D)	G3/4"B	G1"B	G1¼"B	G½"B	G2"B



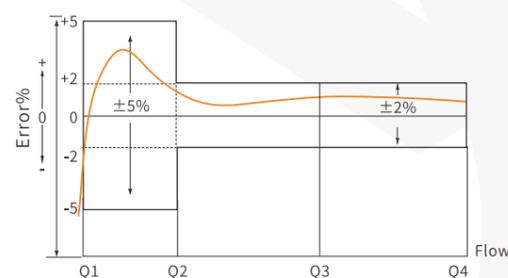
LXSG-xxE5/S/RLN1 (DN15-DN20)



Multi-jet, dry dial, pre-equipped for inductive remote reading modules



Error Curve



Option



LXSG-xxE5/S/LFN1 (Magnetic)

Features

- . Plastic body
- . Dry dial, vacuum sealed to keep clean reading for long time
- . Magnetic drive with anti-magnetic protection
- . External regulating device

Upon Request

- . Several length and connections available on request
- . Non-return valve
- . Pulse output 1L/Pulse, 10L/Pulse
- . Coppe can register and plastic can register

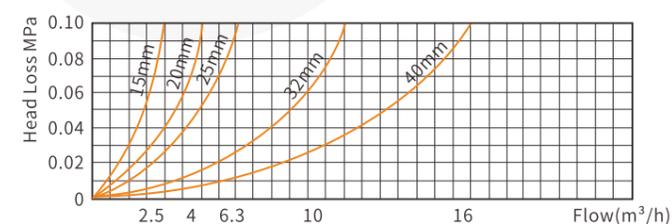
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

Maximum Permissible Error

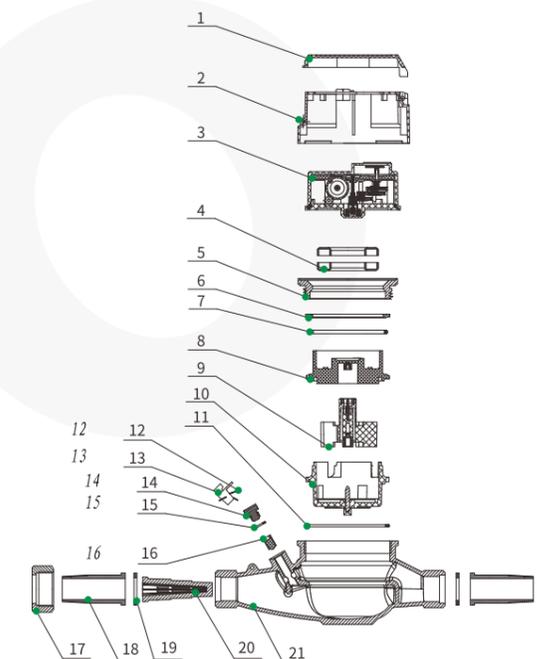
- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Head Loss Curve



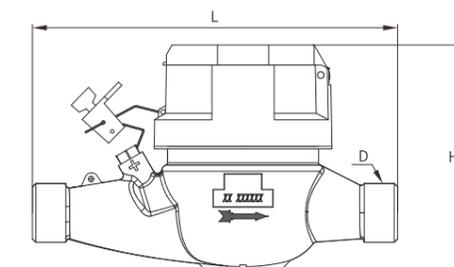
Exploded View

1	Lid	12	Wire
2	Shroud	13	Lead seal
3	Register	14	Adjusting screw
4	Magnetic shield	15	Gasket
5	Locking ring	16	Adjusting insert
6	Gasket	17	Nut
7	O-ring	18	Liner
8	Cover plate	19	Gasket
9	Vane wheel	20	Filter
10	Chamber	21	Meter body
11	Gasket	-	-



Technical Features

(DN)[mm]	15	20	
Size (inch)	1/2"	3/4"	
(Q4) [m³/h]	3.125	5	
(Q3) [m³/h]	2.5	4	
R80	(Q2) [l/h]	50	80
	(Q1) [l/h]	31.25	50
R100	(Q2) [l/h]	40	64
	(Q1) [l/h]	25	40
R125	(Q2) [l/h]	32	51.2
	(Q1) [l/h]	20	32
R160	(Q2) [l/h]	25	40
	(Q1) [l/h]	15.62	25
Indicating range [m³]	99 999		
Resolution of the indicating device [m³]	0.00005 or 0.00002		
Temperature class	T30 and T50		
Water pressure classes	MAP 16		
Pressure-loss classes	$\Delta p63$		



Dimension

(DN) [mm]	15	20
Size(inch)	1/2"	3/4"
Length(L) [mm]	165/190	190
Width(W) [mm]	81	81
Height(H) [mm]	100	100
Connection Thread (D)	G3/4"B	G1"B



LXSG-xxE5/NL3 (DN15-DN20)



Features

- . Brass Body
- . Inclined sealed dry register to keep clean reading for long time
- . Magnetic drive with anti-magnetic protection
- . External regulating device

Upon Request

- . Several length and connections available on request
- . Non-return valve
- . Pulse output 1L/Pulse, 10L/Pulse
- . Coppe can register and plastic can register

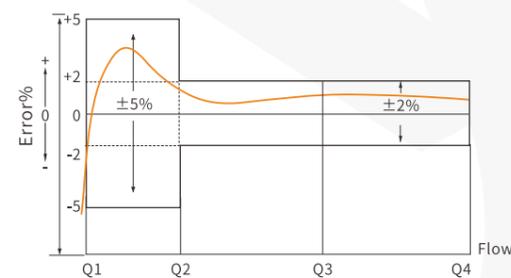
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

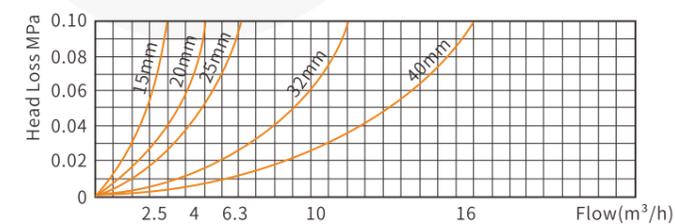
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Error Curve

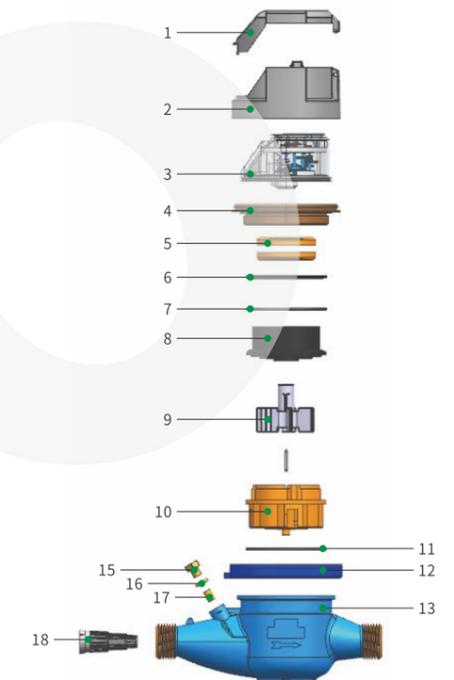


Head Loss Curve



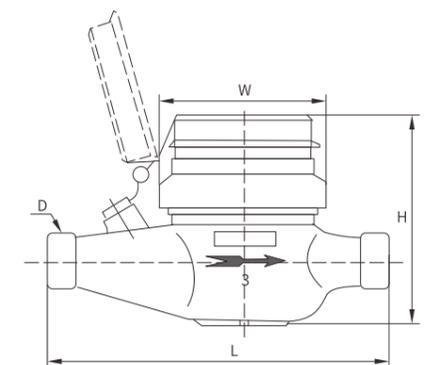
Exploded View

1	Lid	10	Chamber
2	Cover	11	Gasket
3	Dial	12	Protection ring
4	Locking ring	13	Meter body
5	Magnetic shield	14	Adjusting screw
6	Gasket	15	Washer
7	O-ring	16	Adjusting insert
8	Cover plate	17	Filter
9	Vane wheel	-	-



Technical Features

(DN)[mm]	15	20	
Size (inch)	1/2"	3/4"	
(Q4) [m³/h]	3.125	5	
(Q3) [m³/h]	2.5	4	
R80	(Q2) [l/h]	50	80
	(Q1) [l/h]	31.25	50
R100	(Q2) [l/h]	40	64
	(Q1) [l/h]	25	40
R125	(Q2) [l/h]	32	51.2
	(Q1) [l/h]	20	32
R160	(Q2) [l/h]	25	40
	(Q1) [l/h]	15.62	25
Indicating range [m³]	99 999		
Resolution of the indicating device [m³]	0.00005 or 0.00002		
Temperature class	T30 and T50		
Water pressure classes	MAP 16		
Pressure-loss classes	$\Delta p63$		
Orientation limitation	U0D0		



Dimension

(DN) [mm]	15	20
Size(inch)	1/2"	3/4"
Length(L) [mm]	165/190	190
Width(W) [mm]	81	81
Height(H) [mm]	100	100
Connection Thread (D)	G3/4"B	G1"B



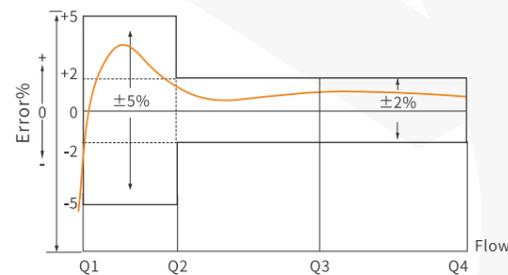
LXSG-xxE5/S/NL3 (DN15-DN20)



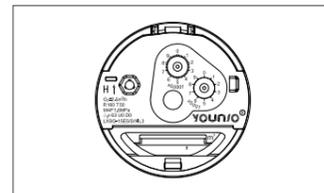
Produced in the versions for cold water in the diameters 15 to 20mm.



Error Curve



Dial



Option



LXSG-xxE5/S/LF3 (Magnetic)

Features

- . Plastic body
- . Inclined sealed dry register to keep clean reading for long time
- . Magnetic drive with anti-magnetic protection
- . External regulating device

Upon Request

- . Several length and connections available on request
- . Non-return valve
- . Pulse output 1L/Pulse, 10L/Pulse
- . Coppe can register and plastic can register

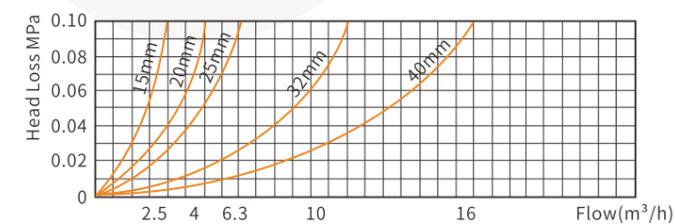
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Head Loss Curve

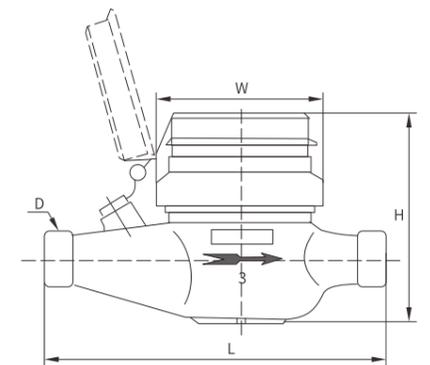
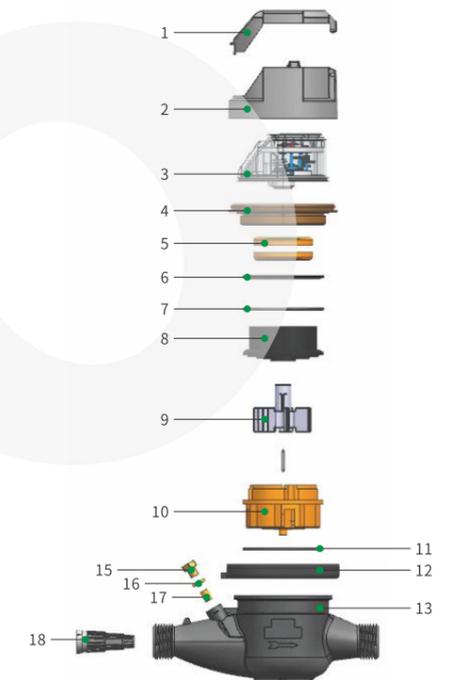


Exploded View

1	Lid	10	Chamber
2	Cover	11	Gasket
3	Dial	12	Protection ring
4	Locking ring	13	Meter body
5	Magnetic shield	14	Adjusting screw
6	Gasket	15	Washer
7	O-ring	16	Adjusting insert
8	Cover plate	17	Filter
9	Vane wheel	-	-

Technical Features

(DN)[mm]	15	20	
Size (inch)	1/2"	3/4"	
(Q4) [m³/h]	3.125	5	
(Q3) [m³/h]	2.5	4	
R80	(Q2) [l/h]	50	80
	(Q1) [l/h]	31.25	50
R100	(Q2) [l/h]	40	64
	(Q1) [l/h]	25	40
R125	(Q2) [l/h]	32	51.2
	(Q1) [l/h]	20	32
R160	(Q2) [l/h]	25	40
	(Q1) [l/h]	15.62	25
Indicating range [m³]	99 999		
Resolution of the indicating device [m³]	0.00005 or 0.00002		
Temperature class	T30 and T50		
Water pressure classes	MAP 16		
Pressure-loss classes	$\Delta p63$		
Orientation limitation	U0D0		



Dimension

(DN) [mm]	15	20
Size(inch)	1/2"	3/4"
Length(L) [mm]	165/190	190
Width(W) [mm]	81	81
Height(H) [mm]	100	100
Connection Thread (D)	G3/4"B	G1"B



LXSG-xxE5 (DN15-DN40)



Option



Features

- . Dry dial, Vacuum sealed to keep clean reading for long time
- . Magnetic transmission
- . Antimagnetic type
- . 360° Rotating dial

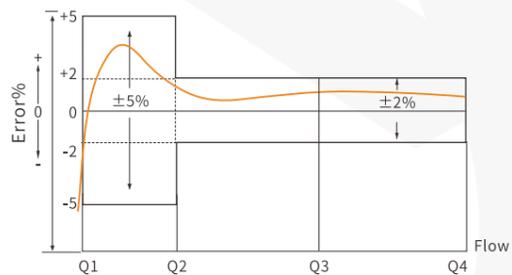
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

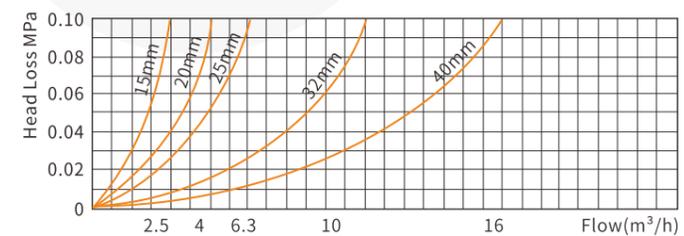
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Error Curve

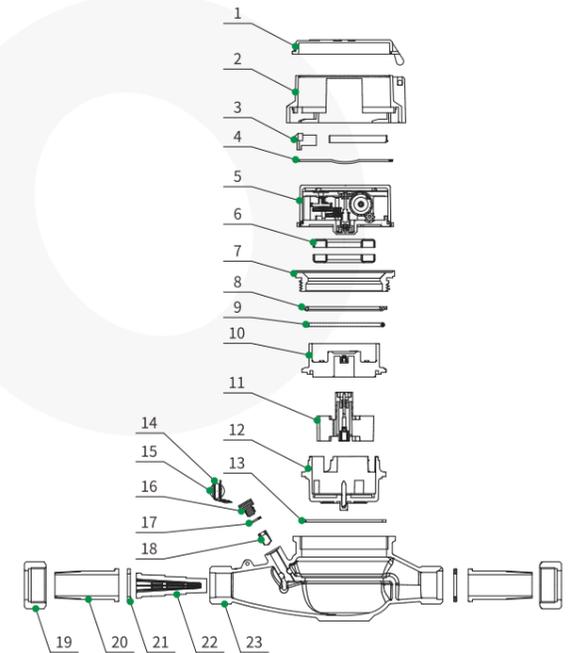


Head Loss Curve



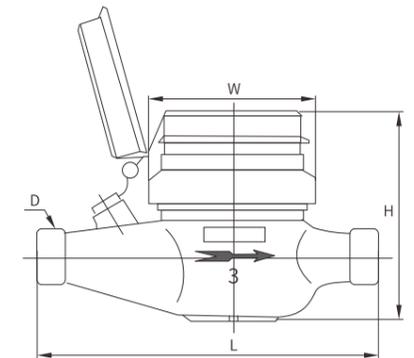
Exploded View

1	Lid	13	Gasket
2	Cover	14	Wire
3	Insert	15	Lead seal
4	Washer	16	Adjusting screw
5	Register	17	Gasket
6	Magnetic shield	18	Adjusting insert
7	Locking ring	19	Nut
8	Gasket	20	Liner
9	O-ring	21	Gasket
10	Cover plate	22	Filter
11	Vane wheel	23	Meter body
12	Chamber	-	-



Technical Features

(DN)[mm]	15	20	25	32	40	
Size (inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	
(Q4) [m³/h]	3.125	5	7.875	12.5	20	
(Q3) [m³/h]	2.5	4	6.3	10	16	
R80	(Q2) [l/h]	50	80	126	200	320
	(Q1) [l/h]	31.25	50	78.75	125	200
R100	(Q2) [l/h]	40	64	100.8	160	256
	(Q1) [l/h]	25	40	63	100	160
R125	(Q2) [l/h]	32	51.2	80.64	128	204.8
	(Q1) [l/h]	20	32	50.4	80	128
R160	(Q2) [l/h]	25	40	63	100	160
	(Q1) [l/h]	15.62	25	39.37	62.5	100
Indicating range[m³]	99 999					
Resolution of the indicating device[m³]	0.00005 or 0.00002					
Temperature class	T30 and T50					
Water pressure classes	MAP 16					
Pressure-loss classes	Δ P63					



Dimension

(DN)[mm]	15	20	25	32	40
Size(inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"
Length(L)[mm]	165/190	190	260	260	300
Width(W)[mm]	81	81	86	86	115
Height(H)[mm]	100	100	110	110	120
Connection Thread(D)	G3/4"B	G1"B	G1¼"B	G½"B	G2"B

MULTI JET SEMI LIQUID SEALED TYPE WATER METER



LXSY-xxE/B (DN15-DN50)



Option



LXSY-20E/B

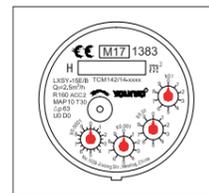


LXSY-40E/B



LXSY-50E/B

Dial



Features

- . Only the number wheels of the register are sealed with special liquid
- . Keep the reading number clean reading for long time
- . High measuring accuracy, low starting flow rate
- . Long durability and elevated precision guaranteed

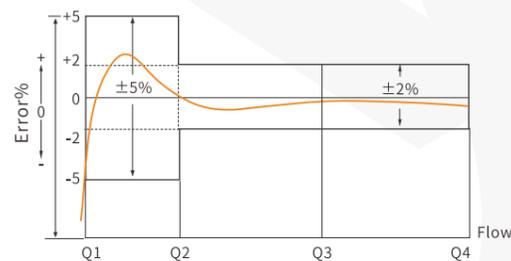
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water
- . Water Pressure: $\leq 1.6\text{Mpa}(16\text{bar})$

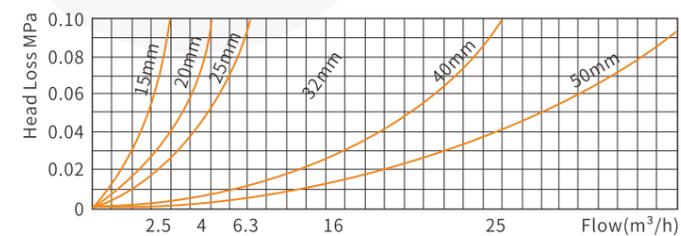
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Error Curve

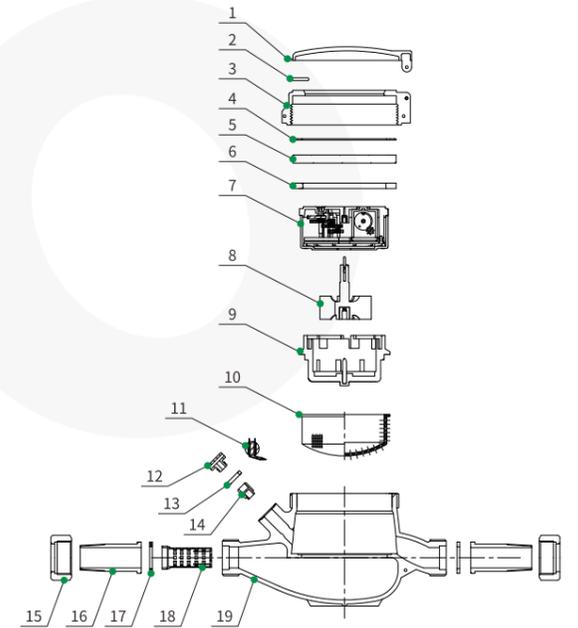


Head Loss Curve



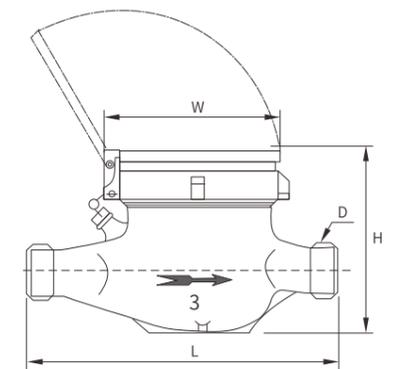
Exploded View

1	Lid	11	Lead Seal
2	Inserted Pin	12	Screw
3	Cover	13	O-ring
4	Gasket	14	Insert
5	Glass	15	Nut
6	Gasket	16	Liner
7	Register	17	Gasket
8	Impeller	18	Filter
9	Chamber	19	Meter Body
10	Filter	-	-



Technical Features

(DN)[mm]	15	20	25	32	40	50
Size (inch)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
(Q4) [m³/h]	3.125	5	7.875	12.5	20	31.25
(Q3) [m³/h]	2.5	4	6.3	10	16	25
R80	(Q2) [l/h]	50	80	126	200	320
	(Q1) [l/h]	31.25	50	78.75	125	200
R100	(Q2) [l/h]	40	64	100.8	160	256
	(Q1) [l/h]	25	40	63	100	160
R125	(Q2) [l/h]	32	51.2	80.64	128	204.8
	(Q1) [l/h]	20	32	50.4	80	128
R160	(Q2) [l/h]	25	40	63	100	160
	(Q1) [l/h]	15.62	25	39.37	62.5	100
Indicating range[m³]	99 999					
Resolution of the indicating device[m³]	0.00005 or 0.00002					
Temperature class	T30 and T50					
Water pressure classes	MAP 16					
Pressure-loss classes	$\Delta P63$					



Dimension

(DN)[mm]	15	20	25	40	50
Size (inch)	1/2"	3/4"	1"	1 1/2"	2"
Length(L)[mm]	165	190	260	300	300
Width(W)[mm]	99	99	104	120	125
Height(H)[mm]	104	106	120	155	155
Connection Thread(D)	G3/4"B	G1"B	G1 1/4"B	G2"B	G1 1/2"B



LXSG(R)-xxE1 (DN15-DN50)



Multi jet, dry dial, vacuum sealed register, frost resistant, keeps clear reading for long time, magnetic transmission. Produced in the versions for cold water (30°C) and hot water (90°C) in the diameters 15 to 50mm. Long durability and elevated precision guaranteed.

Option

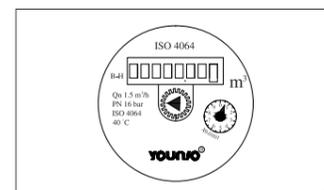
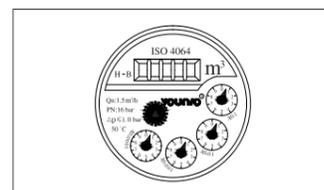


LXSG-15E1/F



LXSG-15E1/S (Plastic body)

Dial



Features

- . Dry-dial, magnetic drive, protected against external magnetic tampering
- . Vacuum sealed register, frost resistant, keeps clear reading for long time
- . Brass body, cast iron body or plastic body, optional
- . Internal or external adjusting device, optional
- . The meters conform to ISO4064 Standard Class B

Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 10L/Pulse, 100L/Pulse

Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water pressure $\leq 1\text{MPa}$ (PN: 1.6MPa/16bar)
- . $\Delta P \leq 0.1\text{MPa}$

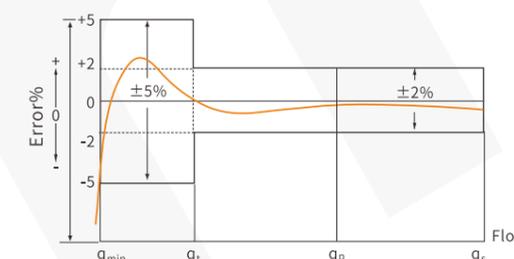
Accuracy

- . From minimum flow-rate (q_{\min}) inclusive, to transitional flow-rate (q_t) exclusive: $\pm 5\%$
- . From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s) exclusive: $\pm 2\%$ (Hot water meter: $\pm 3\%$)

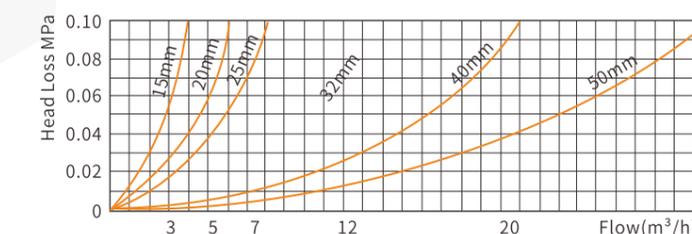
Technical Features

Nominal Size DN(mm)	Class of Measurement	Overload Flow-rate	Permanent Flow-rate	Transitional Flow-rate	Minimum Flow-rate
		$q_s(\text{m}^3/\text{h})$	$q_p(\text{m}^3/\text{h})$	$q_t(\text{l}/\text{h})$	$q_{\min}(\text{l}/\text{h})$
15	B	3	1.5	120	30
20	B	5	2.5	200	50
25	B	7	3.5	280	70
32	B	12	6	480	120
40	B	20	10	800	200
50	B	30	15	3000	450

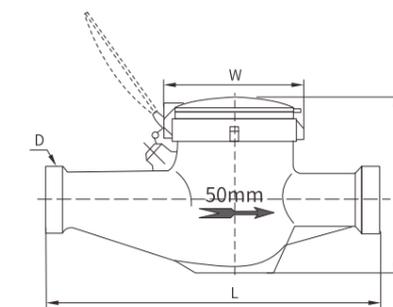
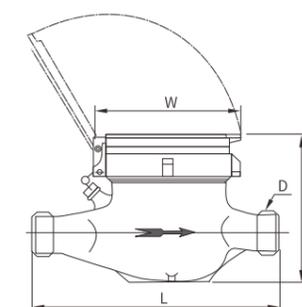
Error Curve



Head Loss Curve



Dimension



Type	Size	Length	Width	Height	Connecting Thread
	(mm)	L(mm)	W(mm)	H(mm)	D
LXSG(R)-15E	15	165	99	104	G $\frac{3}{4}$ "B
LXSG(R)-20E	20	195/190	99	106	G1"B
LXSG(R)-25E	25	225/260	104	120	G1 $\frac{1}{4}$ "B
LXSG(R)-32E	32	230/260	104	120	G1 $\frac{1}{2}$ "B
LXSG(R)-40E	40	245/300	120	155	G2"B
LXSG(R)-50E	50	280/300	125	155	G2 $\frac{1}{2}$ "B

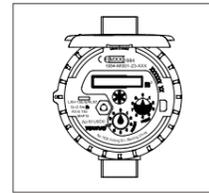


LXH-xxE/S/RLN1 (DN15~DN20)

R315



Dial



Option



Characteristics

- . All the components are produced with high resistance and quality materials, technical plastics and stainless steel parts.
- . The ROTARY indicator register for the most comfortable reading position is of 7 Rollers and 2 Pointers.
- . The Piston is the main moving parts in contact with water permitting the most reliable.
- . The extra inlet filter at the inlet of the meter body permits cleaning it without breaking the metrological seal.
- . Direct supply dry digital counter for easy reading in Cubic Meters.
- . The conception of the Magnetic Protection to against the external influences.
- . AMR pre-equipped at 1 liter/pulse, 10 liters/pulse.
- . Non Return Valve to avoid the reserve flow Rate AS OPTION.

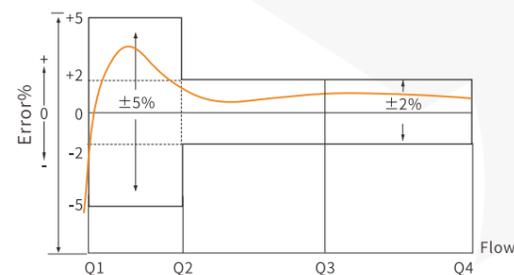
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

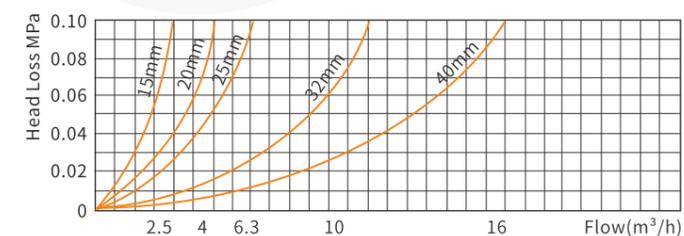
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Error Curve

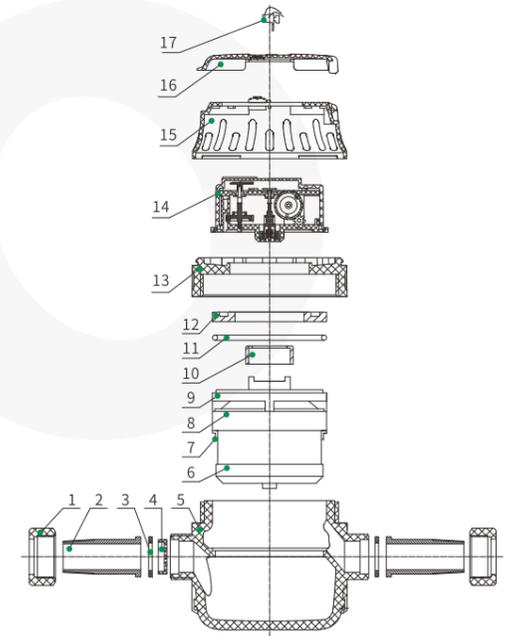


Head Loss Curve



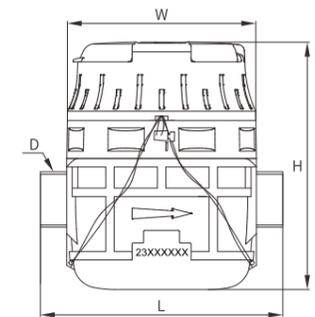
Exploded View

1	Liner	10	Anti-magnetic ring
2	Nut	11	O-ring
3	Gasket	12	Pressure strip
4	Screen	13	Locking cover
5	Meter body	14	Counter
6	Screen	15	Cover
7	Gasket	16	lid
8	Metering equipment	17	Plastic bolckade
9	Sealing plate	-	-



Technical Features

(DN)[mm]	15	20	
Size (inch)	1/2"	3/4"	
(Q4) [m³/h]	3.125	5	
(Q3) [m³/h]	2.5	4	
R160	(Q2) [l/h]	25	40
	(Q1) [l/h]	15.6	25
R200	(Q2) [l/h]	20	32
	(Q1) [l/h]	12.5	20
R250	(Q2) [l/h]	16	25.6
	(Q1) [l/h]	10	16
R315	(Q2) [l/h]	12.7	20.3
	(Q1) [l/h]	7.9	12.7
Indicating range [m³]	99 999		
Resolution of the indicating device [m³]	0.00005 or 0.00002		
Temperature class	T30 and T50		
Water pressure classes	MAP 16		
Pressure-loss classes	$\Delta p63$		



Dimension

(DN) [mm]	15	20
Size(inch)	1/2"	3/4"
Length(L) [mm]	115/165	190
Width(W) [mm]	85	85
Height(H) [mm]	120	120
Connection Thread (D)	G3/4"B	G1"B

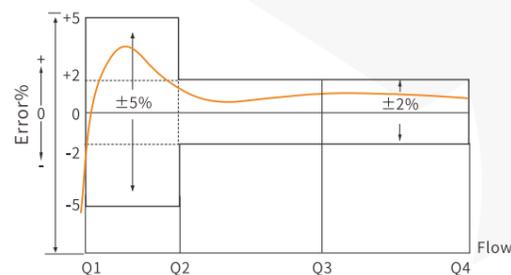


LXH-xxE/RLN1 (DN15~DN20)

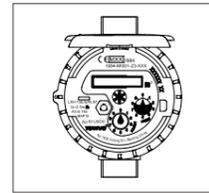
R315



Error Curve



Dial



Option



Characteristics

- . All the components are produced with high resistance and quality materials, technical plastics and stainless steel parts.
- . The ROTARY indicator register for the most comfortable reading position is of 7 Rollers and 2 Pointers.
- . The Piston is the main moving parts in contact with water permitting the most reliable.
- . The extra inlet filter at the inlet of the meter body permits cleaning it without breaking the metrological seal.
- . Direct supply dry digital counter for easy reading in Cubic Meters.
- . The conception of the Magnetic Protection to against the external influences.
- . AMR pre-equipped at 1 liter/pulse, 10 liters/pulse.
- . Non Return Valve to avoid the reserve flow Rate AS OPTION.

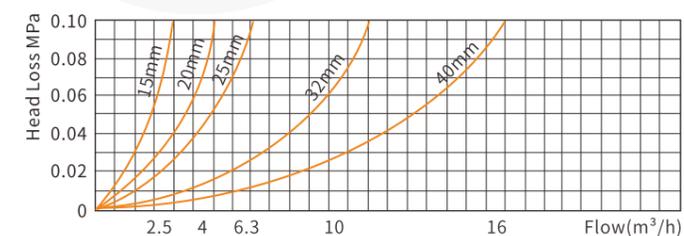
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

Maximum Permissible Error

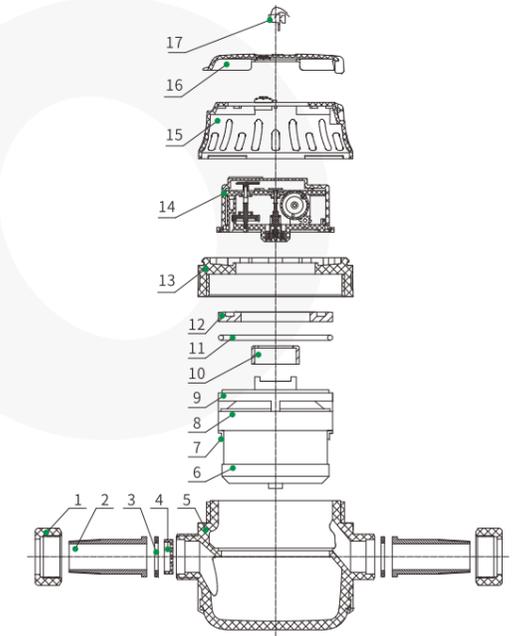
- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Head Loss Curve



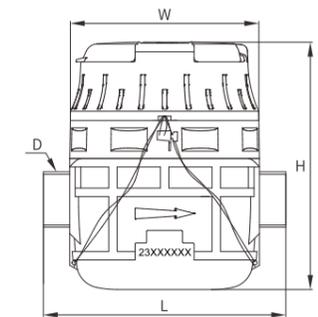
Exploded View

1	Liner	10	Anti-magnetic ring
2	Nut	11	O-ring
3	Gasket	12	Pressure strip
4	Screen	13	Locking cover
5	Meter body	14	Counter
6	Screen	15	Cover
7	Gasket	16	lid
8	Metering equipment	17	Plastic bolckade
9	Sealing plate	-	-



Technical Features

(DN)[mm]	15	20	
Size (inch)	1/2"	3/4"	
(Q4) [m³/h]	3.125	5	
(Q3) [m³/h]	2.5	4	
R160	(Q2) [l/h]	25	40
	(Q1) [l/h]	15.6	25
R200	(Q2) [l/h]	20	32
	(Q1) [l/h]	12.5	20
R250	(Q2) [l/h]	16	25.6
	(Q1) [l/h]	10	16
R315	(Q2) [l/h]	12.7	20.3
	(Q1) [l/h]	7.9	12.7
Indicating range [m³]	99 999		
Resolution of the indicating device [m³]	0.00005 or 0.00002		
Temperature class	T30 and T50		
Water pressure classes	MAP 16		
Pressure-loss classes	$\Delta p63$		



Dimension

(DN) [mm]	15	20
Size(inch)	1/2"	3/4"
Length(L) [mm]	115/165	190
Width(W) [mm]	85	85
Height(H) [mm]	120	120
Connection Thread (D)	G3/4"B	G1"B

ROTARY PISTON WATER METER (VOLUMETRIC METER)

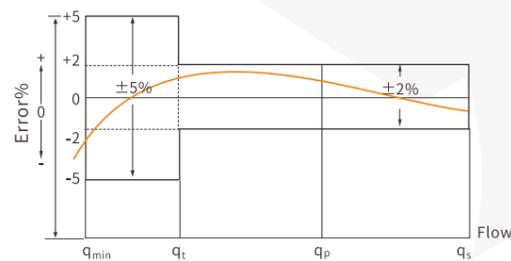


LXH-xx (DN15-DN40)



A volumetric meter is the device fitted into a closed conduit, which consists of chambers of known volume and a mechanism driven by the flow, where by these chambers are successively fitted with water and then emptied. The water to be measured enters the inlet of the body and its pressure sets the piston into rotation. Every rotational cycle of the piston discharges a fixed volume of water to the meter of body. The number of rotation of the piston is totalized through a reduction gear, to totalize in the register, when the total volume of water is registered.

Error Curve



Option



LXH-15/F



LXSG-15/S (Plastic body)

Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 0.5L/Pulse

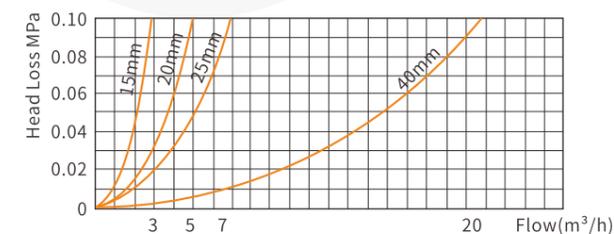
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water pressure $\leq 1\text{MPa}$ (PN: 1.6MPa/16bar)
- . $\Delta P \leq 0.1\text{MPa}$ (Class C)
- . $\Delta P \leq 0.063\text{MPa}$ (R160)

Accuracy

- . From minimum flow-rate (Q1) inclusive, to transitional flow-rate (Q2) exclusive: $\pm 5\%$
- . From transitional flow-rate (Q2) inclusive, to overload flow-rate (Q4) exclusive: $\pm 2\%$

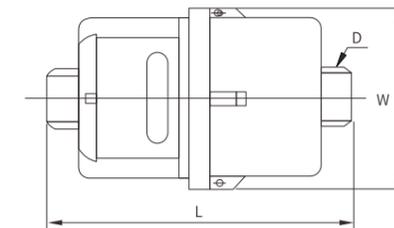
Head Loss Curve



Technical Features

Model Number	LXH-15	LXH-20	LXH-25	LXH-40
Nominal diameter (DN) [mm]	15	20	25	40
Ratio Q3/Q1	160	160	160	160
Overload flow rate (Q4) [m³/h]	3.125	5	7.875	20
Permanent flow rate (Q3) [m³/h]	2.5	4	6.3	16
Transitional flow rate (Q2) [m³/h]	0.025	0.04	0.063	0.16
Minimum flow rate (Q1) [m³/h]	0.015625	0.025	0.039375	0.1
Accuracy class	2			
Maximum permissible error for the lower flow rate zone (MPE _l)	$\pm 5\%$			
Maximum permissible error for the upper flow rate zone (MPE _u)	$\pm 2\%$ for water having a temperature $\leq 30^{\circ}\text{C}$			
Temperature class	T30			
Water pressure classes	MAP 16			
Pressure-loss classes	P63			
Indicating range [m³]	9999			
Resolution of the indicating device [m³]	0.001			
Flow profile sensitivity classes	U0 D0			
Orientation limitation	H/V			
Length L [mm]	115	165	200	227
Connection type-Screw thread size	G $\frac{3}{4}$ "	G1"	G $\frac{3}{4}$ "	G1"

Dimension



Type	Size	Length	Width	Height	Connecting Thread
	(mm)	L(mm)	W(mm)	H(mm)	D
LXH-15	15	115	90	/	G $\frac{3}{4}$ "B
LXH-20	20	165	90	/	G1"B
LXH-25	25	200	106	/	G1 $\frac{1}{4}$ "B
LXH-40	40	227	152	/	G2"B
LXH-15E	15	165	96	115	G $\frac{3}{4}$ "B



LXLC-xxE4a/RLN1 (DN50~DN200)



Features

- . Copper can register with inductive pre-equipped (IP68)
- . Hydro dynamically balanced system
- . High overload capability
- . Powder coating affords max. corrosion protection
- . Not affected by external magnetic fields
- . Long durability and elevated precision guaranteed

Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 100L/Pulse, 1000 L/Pulse

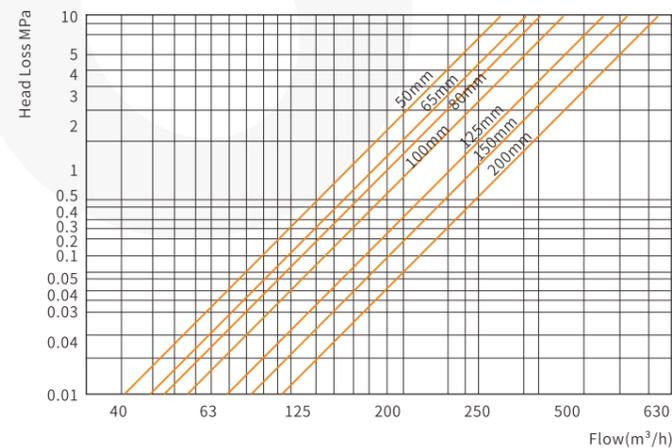
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

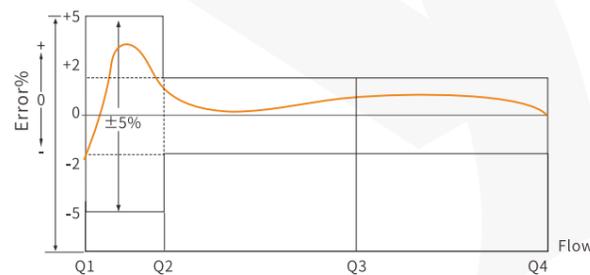
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Head Loss Curve



Error Curve

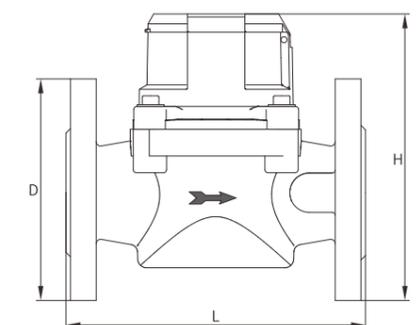


Technical Features

(DN)[mm]	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Size (inch)	2"	2-1/2"	3"	4"	5"	6"	8"
(Q4) [m³/h]	50	78.75	125	200	312.5	500	787.5
(Q3) [m³/h]	40	63	100	160	250	400	630
R200	(Q2) [m³/h]	0.32	0.504	0.8	1.28	2	3.2
	(Q1) [m³/h]	0.2	0.315	0.5	0.8	1.25	2
R160	(Q2) [m³/h]	0.4	0.63	1	1.6	2.5	4
	(Q1) [m³/h]	0.25	0.39375	0.625	1	1.5625	2.5
R125	(Q2) [m³/h]	0.512	0.8064	1.28	2.048	3.2	5.12
	(Q1) [m³/h]	0.32	0.504	0.8	1.28	2	3.2
R100	(Q2) [m³/h]	0.64	1.008	1.6	2.56	4	6.4
	(Q1) [m³/h]	0.4	0.63	1	1.6	2.5	4
Indicating range [m³]				999 999			
Resolution of the indicating device [m³]				0.00005			
Temperature class				T30 and T50			
Water pressure classes				MAP 16			
Pressure-loss classes				$\Delta P63$			
Orientation limitation				U10 D5			

Dimension

(DN) [mm]	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Size(inch)	2"	2-1/2"	3"	4"	5"	6"	8"
Length(L) [mm]	200	200	225	250	250	300	350
Width(W) [mm]	165	185	200	200	220	285	347
Height(H) [mm]	200	208	245	245	275	350	370
D [mm]	160	180	195	215	245	285	340
D1 [mm]	125	145	160	180	210	240	295
Connection bolt	4xM16	4xM16	8xM16	8xM16	8xM16	8xM20	124xM20

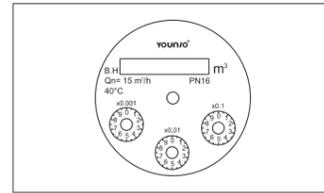




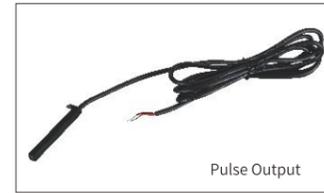
LXLC-xxE4a (DN50~DN200)



Dial



Option



Features

- . Hermetically sealed register
- . Hydrodynamically balanced system
- . High overload capability
- . Pattern approved removable measuring element
- . Powder coating affords max. corrosion protection
- . Not affected by external magnetic fields

Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 100L/Pulse, 1000 L/Pulse

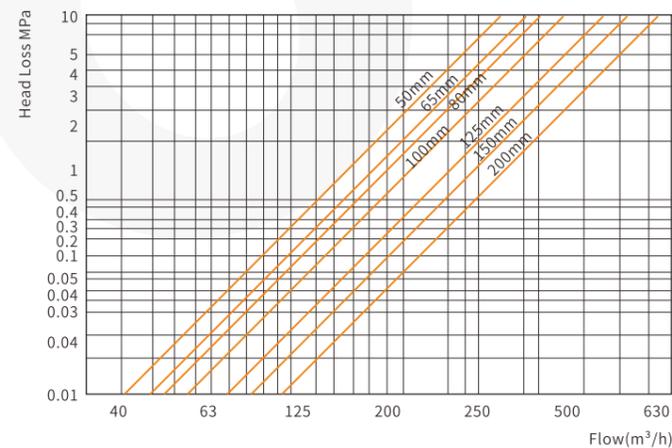
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water Pressure: $\leq 1.6\text{Mpa}$ (16bar)

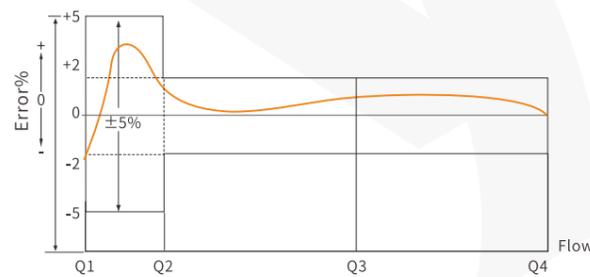
Maximum Permissible Error

- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
- . In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

Head Loss Curve



Error Curve

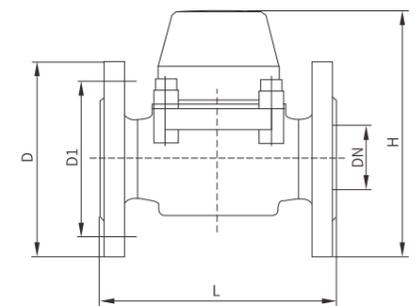


Technical Features

(DN)[mm]	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Size (inch)	2"	2-1/2"	3"	4"	5"	6"	8"
(Q4) [m³/h]	50	78.75	125	200	312.5	500	787.5
(Q3) [m³/h]	40	63	100	160	250	400	630
R200	(Q2) [m³/h]	0.32	0.504	0.8	1.28	2	3.2
	(Q1) [m³/h]	0.2	0.315	0.5	0.8	1.25	2
R160	(Q2) [m³/h]	0.4	0.63	1	1.6	2.5	4
	(Q1) [m³/h]	0.25	0.39375	0.625	1	1.5625	2.5
R125	(Q2) [m³/h]	0.512	0.8064	1.28	2.048	3.2	5.12
	(Q1) [m³/h]	0.32	0.504	0.8	1.28	2	3.2
R100	(Q2) [m³/h]	0.64	1.008	1.6	2.56	4	6.4
	(Q1) [m³/h]	0.4	0.63	1	1.6	2.5	4
Indicating range [m³]	999 999						
Resolution of the indicating device [m³]	0.00005						
Temperature class	T30 and T50						
Water pressure classes	MAP 16						
Pressure-loss classes	$\Delta P63$						
Orientation limitation	U10 D5						

Dimension

(DN) [mm]	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Size(inch)	2"	2-1/2"	3"	4"	5"	6"	8"
Length(L) [mm]	200	200	225	250	250	300	350
Width(W) [mm]	165	185	200	200	220	285	347
Height(H) [mm]	200	208	245	245	275	350	370
D [mm]	160	180	195	215	245	285	340
D1 [mm]	125	145	160	180	210	240	295
Connection bolt	4xM16	4xM16	8xM16	8xM16	8xM16	8xM20	124xM20



REMOVABLE HORIZONTAL DRY TYPE WOLTMAN WATER METER

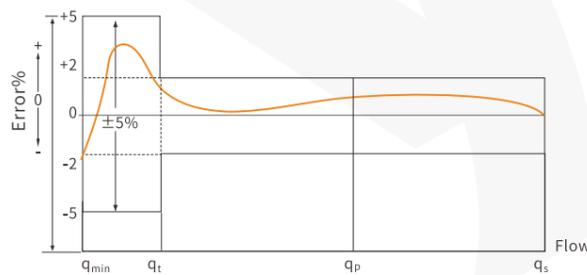


LXLC-xxE3 (DN50~DN300)

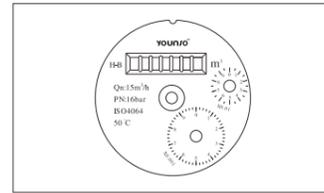


Horizontal Woltman with removable insert. Sealed counter mechanism with magnetic transmission. Direct reading on numerical rolls. Rotating ring 360°. Suitable for industry and irrigation. Prepared for pulse switch mountable even after installation.

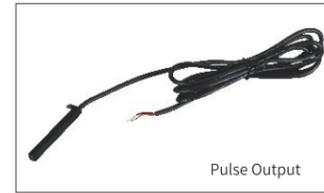
Error Curve



Dial



Option



Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 100L/Pulse, 1000 L/Pulse

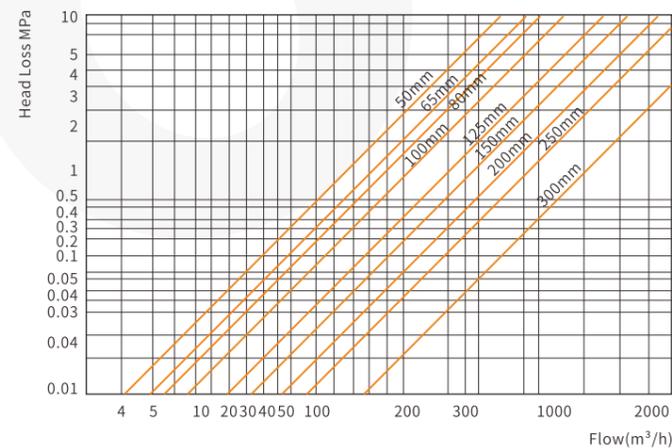
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water pressure $\leq 1\text{MPa}$ (PN: 1.6MPa/16bar)
- . $\Delta P \leq 0.1\text{MPa}$

Accuracy

- . From minimum flow-rate (q_{\min}) inclusive, to transitional flow-rate (q_t) exclusive: $\pm 5\%$
- . From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s) exclusive: $\pm 2\%$

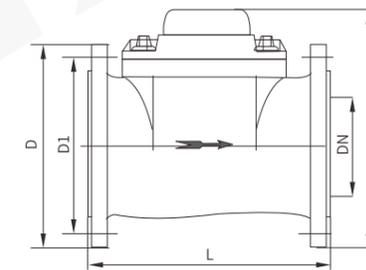
Head Loss Curve



Technical Features

Size (mm)	Class of Measurement	Maximum Flow	Nominal Flow	Transitional Flow	Minimum Flow	Minimum Reading	Maximum Reading
		$q_s(\text{m}^3/\text{h})$	$q_p(\text{m}^3/\text{h})$	$q_t(\text{m}^3/\text{h})$	$q_{\min}(\text{m}^3/\text{h})$	min(m^3)	max(m^3)
50	B	30	15	3	0.45	0.002	9,999,999
65	B	50	25	5	0.75	0.002	9,999,999
80	B	80	40	8	1.2	0.002	9,999,999
100	B	120	60	12	1.8	0.002	9,999,999
125	B	200	100	20	3	0.02	99,999,999
150	B	300	150	30	4.5	0.02	99,999,999
200	B	500	250	50	7.5	0.02	99,999,999
250	B	800	400	80	12	0.02	99,999,999
300	B	1200	600	120	18	0.02	99,999,999

Dimension



Type	Size	Length	Height	Outer Diameter	Bolt Circle Diameter	Connecting Bolt	Weight
	(mm)	L(mm)	H(mm)	D1	D2	n-Md	(kg)
LXLC-50E3	50	200	247	165	125	4-M16	12
LXLC-65E3	65	200	260	185	145	4-M16	13
LXLC-80E3	80	225	265	200	160	8-M16	15
LXLC-100E3	100	250	272	220	180	8-M16	19
LXLC-125E3	125	250	295	250	210	8-M16	23
LXLC-150E3	150	300	302	285	240	8-20	30
LXLC-200E3	200	350	359	340	295	8-M20(1.0MPa)	42
						12-M20(1.6MPa)	
LXLC-250E3	250	450	470	395	350	12-M20(1.0MPa)	94
				405		12-M24(1.6MPa)	
LXLC-300E3	300	500	492	445	400	12-M20(1.0MPa)	97
				460		12-M24(1.6MPa)	

IRRIGATION REMOVABLE WATER METER (SEWAGE METER)

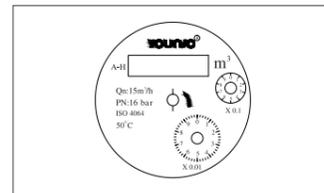


LXP-xxE (DN50~DN300)

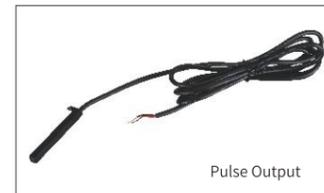


For irrigation purpose, dry dial, magnetic transmission.
Suitable for the measuring of dirty water (Solid sediments)

Dial



Option



Upon Request

- . Remote transmission device can be added upon request
- . Pulse output 100L/Pulse, 1000 L/Pulse

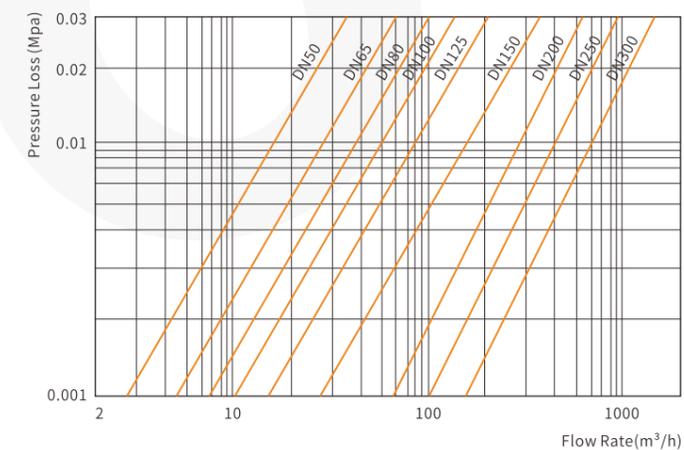
Working Condition

- . Water Temperature $\leq 30^{\circ}\text{C}$ for cold water ($\leq 90^{\circ}\text{C}$ for hot water)
- . Water pressure $\leq 1\text{MPa}$ (PN: 1.6MPa/16bar)
- . $\Delta P \leq 0.63\text{MPa}$

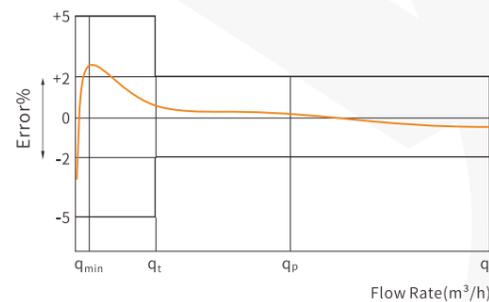
Accuracy

- . From minimum flow-rate (q_{\min}) inclusive, to transitional flow-rate (q_t) exclusive: $\pm 5\%$
- . From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s) exclusive: $\pm 2\%$

Head Loss Curve



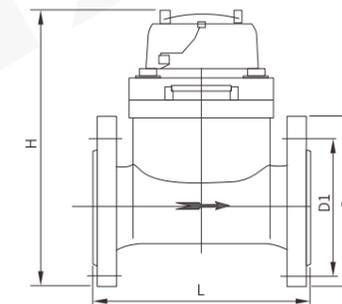
Error Curve



Technical Features

Size (mm)	Class of Measurement	Maximum Flow	Nominal Flow	Transitional Flow	Minimum Flow	Minimum Reading	Maximum Reading
		$q_s(\text{m}^3/\text{h})$	$q_p(\text{m}^3/\text{h})$	$q_t(\text{m}^3/\text{h})$	$q_{\min}(\text{m}^3/\text{h})$	min(m^3)	max(m^3)
50	A	30	15	4.5	1.2	0.0002	999,999
65	A	50	25	7.5	2	0.002	999,999
80	A	80	40	12	3.2	0.002	999,999
100	A	120	60	18	4.8	0.002	999,999
125	A	200	100	30	8	0.002	999,999
150	A	300	150	45	12	0.002	999,999
200	A	500	250	75	20	0.002	999,999
250	A	800	400	120	32	0.02	9,999,999
300	A	1200	600	180	48	0.02	9,999,999

Dimension



Type	Size (mm)	Length L(mm)	Height H(mm)	Outer Diameter D1	Bolt Circle Diameter D2	Connecting Bolt n-Md	Weight (kg)
	LXP-50E	50	200	253	165	125	4-M16
LXP-65E	65	200	268	185	145	4-M16	13
LXP-80E	80	225	284	200	160	8-M16	15
LXP-100E	100	250	295	220	180	8-M16	19
LXP-125E	125	250	310	250	210	8-M16	23
LXP-150E	150	300	339	285	240	8-M20	30
LXP-200E	200	350	382	340	295	8-M20(1.0MPa)	42
						12-M20(1.6MPa)	
LXP-250E	250	400	433	395	350	8-M20(1.0MPa)	66
		450	438	405	355	12-M24(1.6MPa)	
LXP-300E	300	450	483	445	400	8-M20(1.0MPa)	100
		500	488	460	410	12-M24(1.6MPa)	

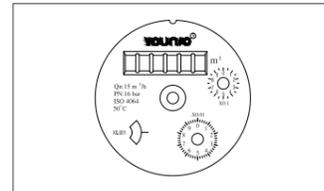


LXR-xxE (DN40~DN200)



Removable measuring insert, easy installation and maintenance, Stainless strainer inside

Dial



Features

- . Removable measuring unit, inner slot web, easy maintenance
- . Dry dial, magnetic drive, keeps clear reading for long time, register can be rotated
- . Low start flow, low pressure loss at high flow-rate, better than vane wheel water meter
- . From minimum flow-rate (q_{min}) inclusive, to transitional flow-rate (q_t) exclusive: $\pm 5\%$

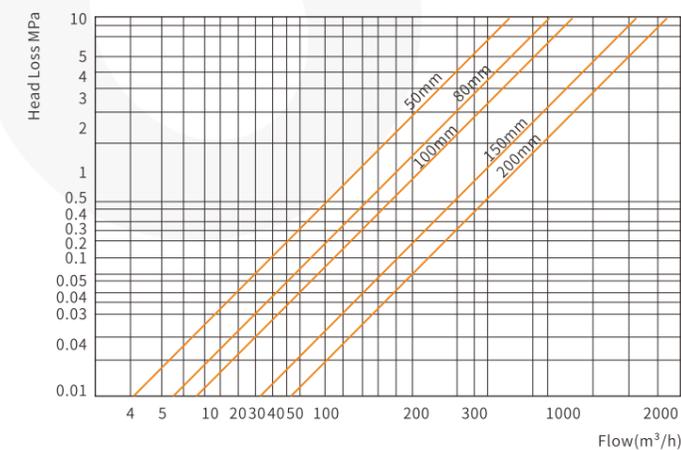
Accuracy

- . From minimum flow-rate (q_{min}) inclusive, to transitional flow-rate (q_t) exclusive: $\pm 5\%$
- . From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s) exclusive: $\pm 2\%$

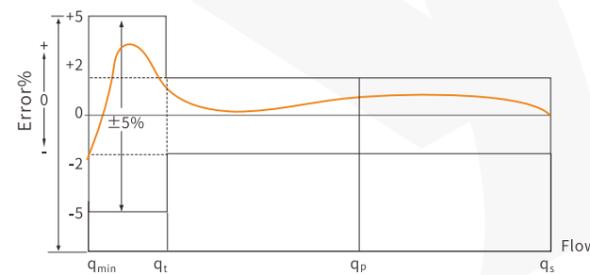
Working Condition

- . Water temperature $\leq 50^\circ\text{C}$ (Hot water meter $\leq 90^\circ\text{C}$)
- . Water pressure $\leq 1\text{MPa}$ (PN: 1.6MPa/16bar)
- . $\Delta P \leq 0.01\text{MPa}$

Head Loss Curve



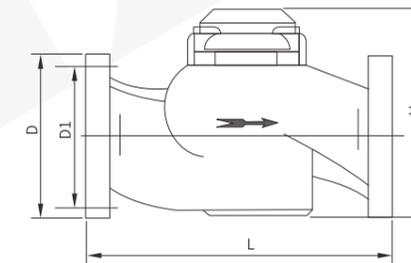
Error Curve



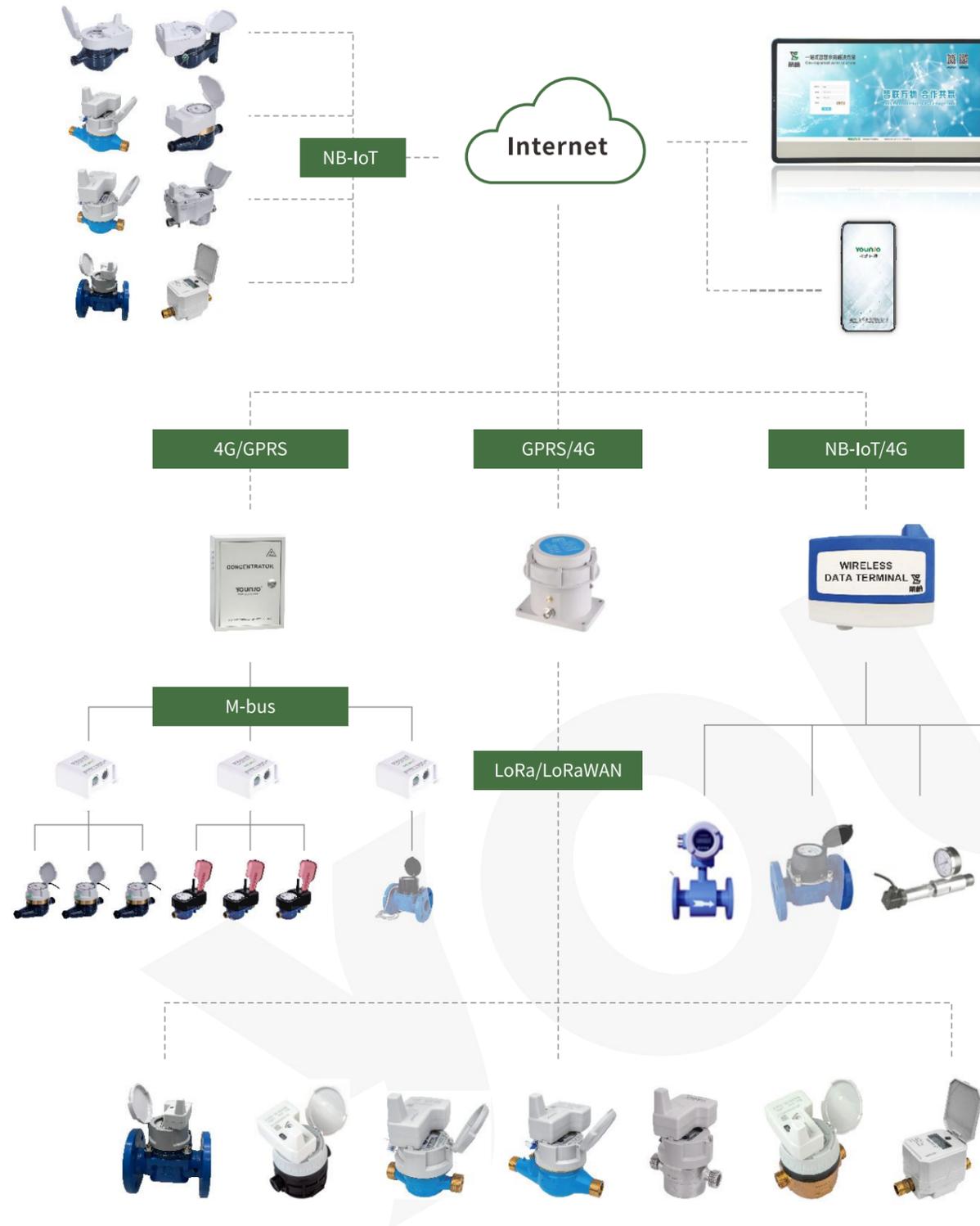
Technical Features

Size (mm)	Class of Measurement	Overload Flow-rate $q_s(\text{m}^3/\text{h})$	Permanent Flow-rate $q_p(\text{m}^3/\text{h})$	Transitional Flow-rate $q_t(\text{m}^3/\text{h})$	Minimum Flow-rate $q_{min}(\text{m}^3/\text{h})$	Minimum Reading $\text{min}(\text{m}^3)$	Maximum Reading $\text{max}(\text{m}^3)$
40	B	30	15	3	0.45	0.0005	999999
50	B	30	15	3	0.45	0.0005	999999
80	B	80	40	8	1.2	0.0005	999999
100	B	120	60	12	1.8	0.0005	999999
150	B	300	150	30	4.5	0.005	9999999
200	B	500	250	50	7.5	0.005	9999999

Dimension



Type	Size (mm)	Length L (mm)	Outer Diameter Of Flange D (mm)	Diameter Of Bolt Circle D1 (mm)	Diameter Of Bolt Holes	Connecting Bolt	
LXR-40E	40	280	150	110	18	4	M16
LXR-50E	50	280	165	125	18	4	M16
LXR-80E	80	370	200	160	19	8	M16
LXR-100E	100	370	220	180	19	8	M16
LXR-150E	150	500	285	240	23	8	M20
LXR-200E	200	500	340	295	23	8	M20



LoRaWAN/LoRa/NB-IoT transmission module suitable for all water meters model with inductive pointer.



Pulse output device suitable for all the water meters model with magnetic pointer.



Wireless concentrator. It acquires the reading data from transmission module and sends them via GPRS/4G network to a PC or data center.



Set of brass connector
(2 liners, 2 nuts, 2 gaskets)
Size | 15mm | 20mm | 25mm | 32mm | 40mm | 50mm



Set of brass connector with Non-Return Valve
(2 liners, 2 nuts, 2 gaskets, 1 NRV)
Size | 15mm | 20mm | 25mm



PLASTIC WATER METER BOX

