



WATER METER

CATALOGUE

- Multi Jet *Class C/ R160*
- Single Jet *Class C/ R160*
- Volumetric *Class C/ R200*



MJWM-15B-20B

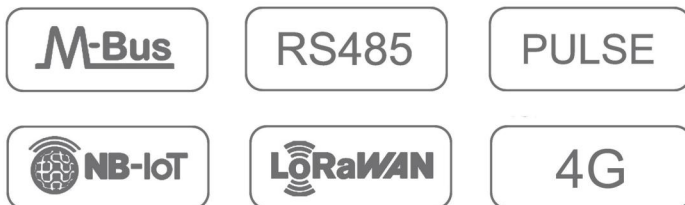
Application

MJWM-15B-20B is a pre-equipped multi-jet water meter compatible with multiple communication modules.

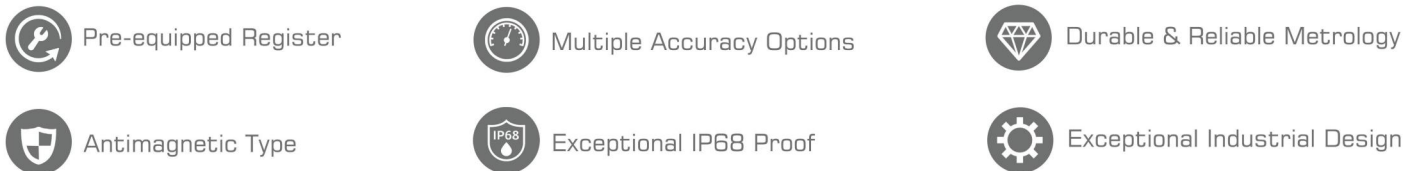
- M-BUS / RS485 Protocol: EN13757
- Modbus Baud Option: 2400 or 9600
- Pulse Option: 1L/Pulse or 10L/Pulse
- LoRa / LoRaWAN Frequency Rate:
865MHz, 868MHz, 915MHz, 902MHz, 920MHz, etc



Communication

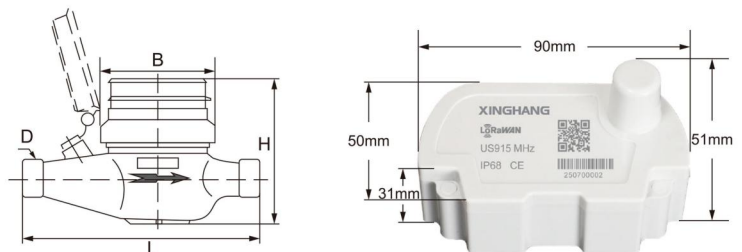


Features

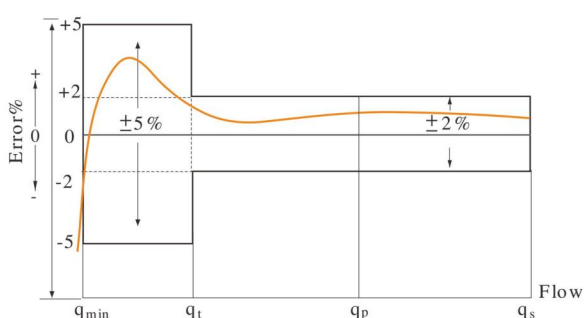


Dimensions

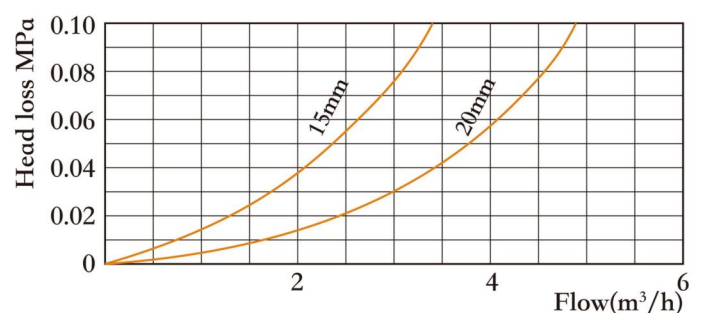
Nominal Diameter (mm)	DN15	DN20
Thread	G3/4B	G1B
L (mm)	165	190
H (mm)	107	107
W (mm)	82	82
Weight (kg)	0.72	0.98



Error Curve



Head Loss Curve



Main Technical Specifications

	DN15		DN20	
$Q_4(Q_{\text{overload}})\text{m}^3/\text{h}$	3.125	3.125	5	5
$Q_3(Q_{\text{max/permanent}})\text{m}^3/\text{h}$	2.5	2.5	4	4
$Q_2(Q_{\text{transitional}})\text{m}^3/\text{h}$	0.05	0.025	0.08	0.04
$Q_1(Q_{\text{min}})\text{m}^3/\text{h}$	0.03125	0.015625	0.05	0.025
Start Flow Rate m^3/h	0.01	0.005	0.014	0.007
Dynamic Range	R80	R160	R80	R160
Min Reading(m^3)	0.0001			
Max Reading(m^3)	99,999			
Accuracy Class	Class B, Class C, Class 2 (R80, R100, R160)			
Standard	ISO4064 / OIML R49			
Measured Medium	Water			
Maximum Permissible Error For The Lower Flow Rate Zone	$\pm 5\%$			
Maximum Permissible Error For The Upper Flow Rate Zone	$\pm 2\%$ for water having a temperature $< 30^\circ\text{C}$ $\pm 3\%$ for water having a temperature $> 30^\circ\text{C}$			
Operating Temperature	$-10^\circ\text{C} \sim 55^\circ\text{C}$			
Accidental Temperature	$-20^\circ\text{C} \sim 55^\circ\text{C}$			
Max Loss(ΔP)	$\Delta p63$			
Max Pressure(MAP)	MAP16			
Environmental Classification	Class B			
Protection Class	IP68			
Body Material	Brass			
The Installation Sensitivity	U0/D0			
Climatic and Mechanical Environmental Grades	M1			
Communication	Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT, 4G			
Installation Direction	Horizontal			
Power Source	Lithium batteries			
Module Battery Lifetime	10-15 years			
Historical Storage Data	1080 hours, 180 days, 24 months			

Compatible Modules



Model: LXSG-15E3-20E3

Multi Jet Water Meter

Feature:

- Multi jet, Dry-dial
- Material body: Brass
- Size: DN15 to DN20mm, (1/2"-3/4")
- Available for cold water (50°C), hot water (90°C)
- Accuracy: Class B / R80 / R100



Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	A	3	1.5	150	60	0.0001	9999
		B			120	30		
20	3/4"	A	5	2.5	250	100	0.0001	9999
		B			200	50		

According to IS04064(GB/T778.1-2007) Standard

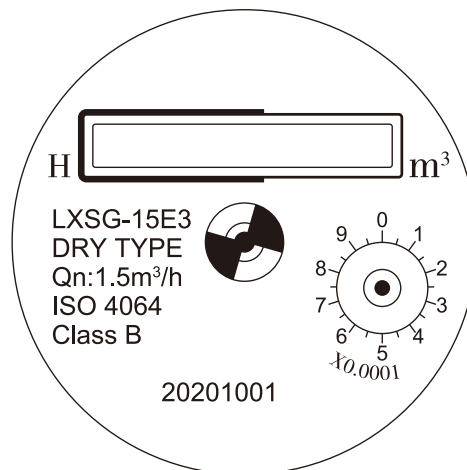
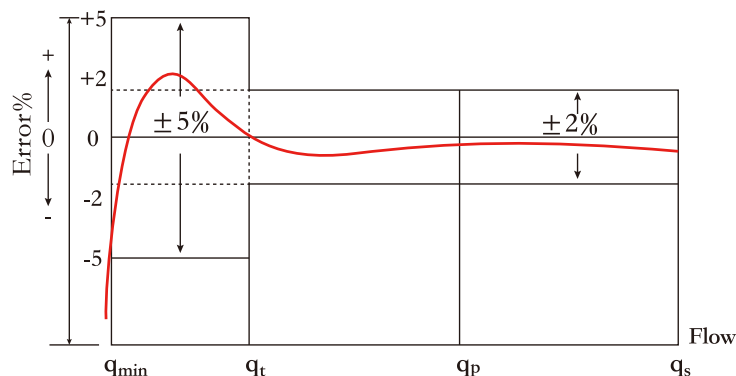
DN Size	Mm Inch	15 1/2"	20 3/4"
Q4(m³/h)		3.125	5
Q3(m³/h)		2.5	4
R80	Q2(L/h)	50	80
	Q1(L/h)	31.25	50
R100	Q2(L/h)	40	64
	Q1(L/h)	25	40
Min reading(m³)		0.0001	0.0001
Max reading(m³)		9999	9999
Max pressure(MAP)		16	16
Max loss(Δ P)		63	63
Max temperature		T50	T50

Model: LXSG-15E3-50E3

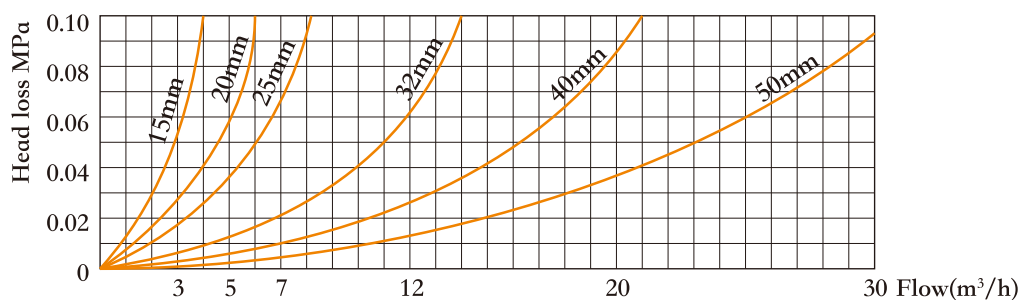
INDICATING ERROR

At low zone is $\pm 5\%$ from minimum flow rate ($q_{\min}$) to transitional flow rate (q_t) exclusive boundary

At high zone is $\pm 2\%$ from transitional flow rate (q_t) to overload flow rate (q_s)

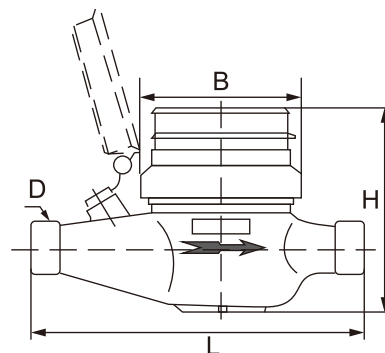


Head Loss Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	B Width	H Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	165	80	102	G 3/4B	1.1
20	190	80	105	G 1B	1.4



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Water temperature: $\leq 90^{\circ}\text{C}$ for hot water meter

Working pressure: $\leq 1.6\text{MPa}$



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Model: LXSG-15E1-50E1

Multi Jet Water Meter

Feature:

- Multi jet, Dry-dial
- Material body: Brass
- Size: DN15 to DN50mm, (½"-2")
- Available for cold water (50°C), hot water (90°C)
- Accuracy: Class B / Class C / R160



Main Technical Data:

According to ISO4064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	A	3	1.5	150	60	0.0001	99999
		B			120	30		
		C			22.5	15		
20	3/4"	A	5	2.5	250	100	0.0001	99999
		B			200	50		
		C			37.5	25		
25	1"	A	7	3.5	350	140	0.0001	99999
		B			280	70		
32	1 1/4"	A	12	6	600	240	0.0001	99999
		B			480	120		
40	1 1/2"	A	20	10	1000	400	0.001	99999
		B			800	200		
50	2"	A	30	15	1500	600	0.001	99999
		B			1200	300		

INDICATING ERROR

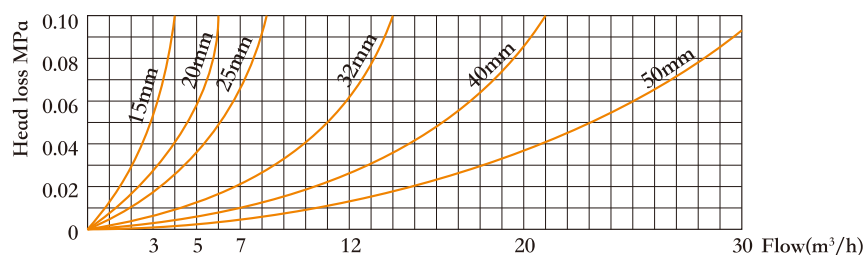
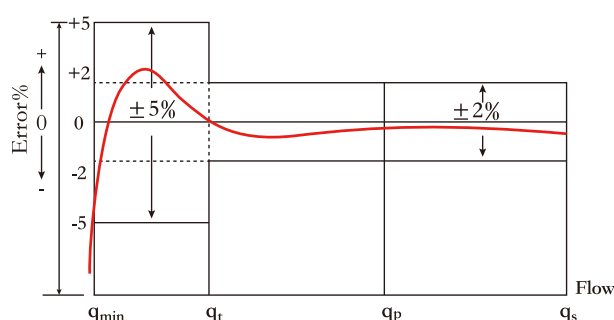
At low zone is ±5% from minimum flow rate (qmin) to transitional flow rate (qt) exclusive boundary

At high zone is ±2% from transitional flow rate (qt) to overload flow rate (qs)

Model: LXSG-15E1-50E1

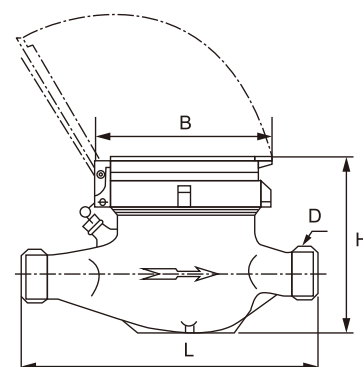
According to IS04064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"	25 1"	32 1 1/4"	40 1 1/2"	50 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	500
	Q1(L/h)	31.25	50	78.75	125	200	312.5
R100	Q2(L/h)	40	64	100.8	160	256	400
	Q1(L/h)	25	40	63	100	160	250
R125	Q2(L/h)	32	51.2	80.64	128	204.8	320
	Q1(L/h)	20	32	50.4	80	128	200
R160	Q2(L/h)	25	40	63	100	160	250
	Q1(L/h)	15.625	25	39.375	62.5	100	156.25
Min reading(m³)		0.0001	0.0001	0.0001	0.0001	0.001	0.001
Max reading(m³)		99999	99999	99999	99999	99999	99999
Max pressure(MAP)		16	16	16	16	16	16
Max loss(ΔP)		63	63	63	63	63	63
Max temperature		T50	T50	T50	T50	T50	T50



Dimensions and Weight:

Meter Size Dia DN	L Length	B Width	H Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	165	99	108	G 3/4B	1.4
20	190	99	108	G 1B	1.7
25	225	104	114	G1 1/4B	2.4
32	230	104	117	G1 1/2B	2.7
40	245	128	158	G 2B	4.5
50	280	128	183	G2 1/2B	7.2



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Water temperature: $\leq 90^{\circ}\text{C}$ for hot water meter

Working pressure: $\leq 1.6\text{Mpa}$



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Model: LXSGY-15S2-50S2

Multi Jet Water Meter

Feature:

- Pre-equipped for Pulse emitter
- Multi jet, Dry-dial
- Material body: Nylon plastic
- Size: DN15 to DN50mm, (1/2"-2")
- Available for cold water (50°C)
- Accuracy: Class B / Class C / R160



Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	A	3	1.5	150	60	0.0001	99999
		B			120	30		
		C			22.5	15		
20	3/4"	A	5	2.5	250	100	0.0001	99999
		B			200	50		
		C			37.5	25		
25	1"	A	7	3.5	350	140	0.0001	99999
		B			280	70		
32	1 1/4"	A	12	6	600	240	0.0001	99999
		B			480	120		
40	1 1/2"	A	20	10	1000	400	0.001	99999
		B			800	200		
50	2"	A	30	15	1500	600	0.001	99999
		B			1200	300		

INDICATING ERROR

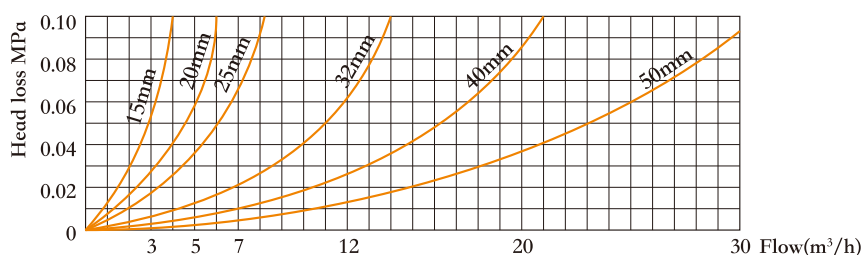
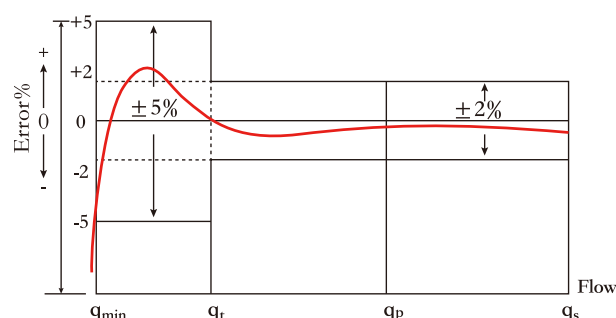
At low zone is $\pm 5\%$ from minimum flow rate (qmin) to transitional flow rate (qt) exclusive boundary

At high zone is $\pm 2\%$ from transitional flow rate (qt) to overload flow rate (qs)

Model: LXSGY-15S2-50S2

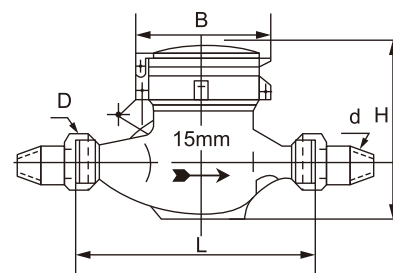
According to IS04064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"	25 1"	32 1 1/4"	40 1 1/2"	50 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	500
	Q1(L/h)	31.25	50	78.75	125	200	312.5
R100	Q2(L/h)	40	64	100.8	160	256	400
	Q1(L/h)	25	40	63	100	160	250
R125	Q2(L/h)	32	51.2	80.64	128	204.8	320
	Q1(L/h)	20	32	50.4	80	128	200
R160	Q2(L/h)	25	40	63	100	160	250
	Q1(L/h)	15.625	25	39.375	62.5	100	156.25
Min reading(m³)		0.0001	0.0001	0.0001	0.0001	0.001	0.001
Max reading(m³)		99999	99999	99999	99999	99999	99999
Max pressure(MAP)		16	16	16	16	16	16
Max loss(ΔP)		63	63	63	63	63	63
Max temperature		T50	T50	T50	T50	T50	T50



Dimensions and Weight:

Meter Size Dia DN	L Length	B Width	H Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	165	99	104	G 3/4B	0.53
20	190	99	125	G 1B	0.6
25	260	106	132	G1 1/4B	0.78
32	230	104	120	G1 1/2B	0.82
40	245	128	150	G 2B	1.2
50	300	130	150	G2 1/2B	1.46



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Working pressure: $\leq 1.6\text{Mpa}$



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Model: LXSG-15S3-50S3

Multi Jet Water Meter

Feature:

- Multi jet, Dry-dial
- Material body: Nylon plastic
- Size: DN15 to DN50mm, (1/2"-2")
- Available for cold water (50°C)
- Accuracy: Class B / Class C / R160



Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	A	3	1.5	150	60	0.0001	99999
		B			120	30		
		C			22.5	15		
20	3/4"	A	5	2.5	250	100	0.0001	99999
		B			200	50		
		C			37.5	25		
25	1"	A	7	3.5	350	140	0.0001	99999
		B			280	70		
32	1 1/4"	A	12	6	600	240	0.0001	99999
		B			480	120		
40	1 1/2"	A	20	10	1000	400	0.001	99999
		B			800	200		
50	2"	A	30	15	1500	600	0.001	99999
		B			1200	300		

INDICATING ERROR

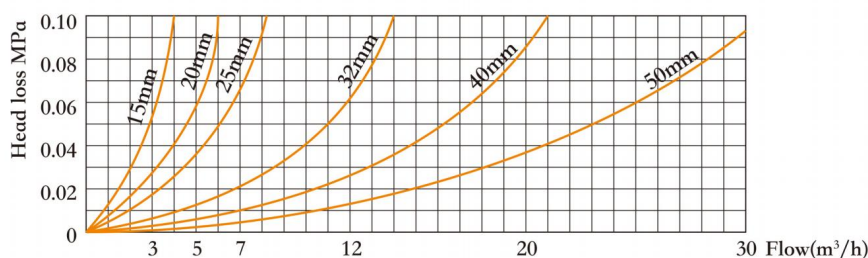
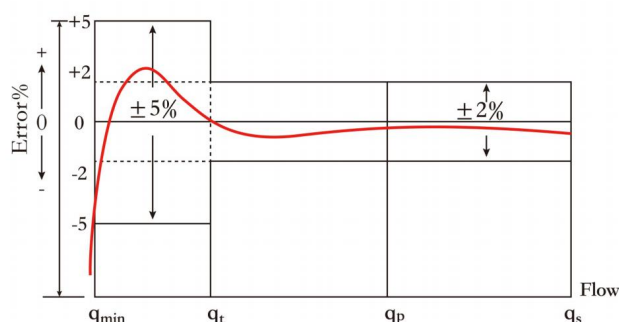
At low zone is $\pm 5\%$ from minimum flow rate (qmin) to transitional flow rate (qt) exclusive boundary

At high zone is $\pm 2\%$ from transitional flow rate (qt) to overload flow rate (qs)

Model: LXSG-15S3-50S3

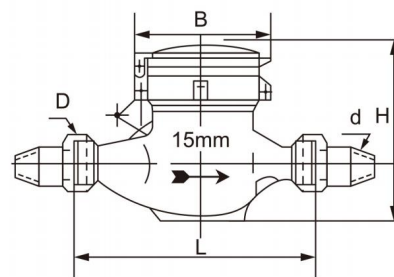
According to ISO4064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"	25 1"	32 1 1/4"	40 1 1/2"	50 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	500
	Q1(L/h)	31.25	50	78.75	125	200	312.5
R100	Q2(L/h)	40	64	100.8	160	256	400
	Q1(L/h)	25	40	63	100	160	250
R125	Q2(L/h)	32	51.2	80.64	128	204.8	320
	Q1(L/h)	20	32	50.4	80	128	200
R160	Q2(L/h)	25	40	63	100	160	250
	Q1(L/h)	15.625	25	39.375	62.5	100	156.25
Min reading(m³)		0.0001	0.0001	0.0001	0.0001	0.001	0.001
Max reading(m³)		99999	99999	99999	99999	99999	99999
Max pressure(MAP)		16	16	16	16	16	16
Max loss(ΔP)		63	63	63	63	63	63
Max temperature		T50	T50	T50	T50	T50	T50



Dimensions and Weight:

Meter Size Dia DN	L Length	B Width	H Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	165	99	104	G 3/4B	0.53
20	190	99	125	G 1B	0.6
25	260	106	132	G1 1/4B	0.78
32	230	104	120	G1 1/2B	0.82
40	245	128	150	G 2B	1.2
50	300	130	150	G2 1/2B	1.46



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Working pressure: $\leq 1.6\text{Mpa}$



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Model: LXSG-15E-50E

Multi Jet Water Meter

Feature:

- Multi jet, Dry-dial
- Material body: Gray cast iron / Ductile cast iron
- Size: DN15 to DN50mm, (½"-2")
- Available for cold water (50°C), hot water (90°C)
- Accuracy: Class B / Class C



Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

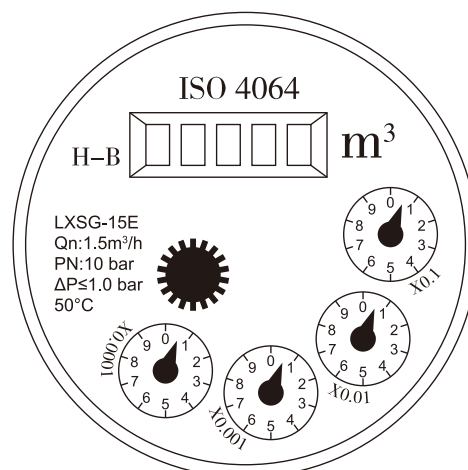
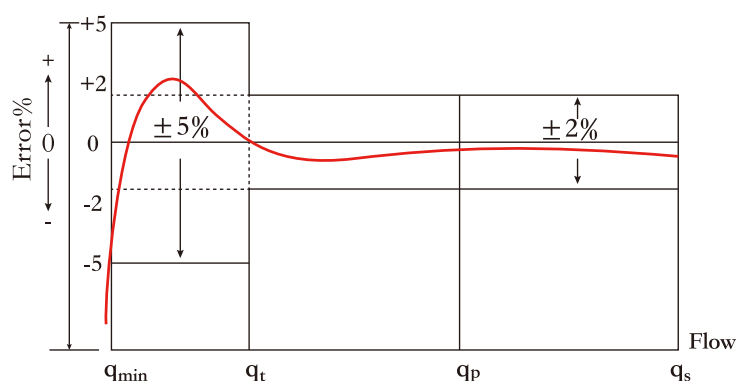
Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	A	3	1.5	150	60	0.0001	99999
		B			120	30		
		C			22.5	15		
20	3/4"	A	5	2.5	250	100	0.0001	99999
		B			200	50		
		C			37.5	25		
25	1"	A	7	3.5	350	140	0.0001	99999
		B			280	70		
32	1 1/4"	A	12	6	600	240	0.0001	99999
		B			480	120		
40	1 1/2"	A	20	10	1000	400	0.001	99999
		B			800	200		
50	2"	A	30	15	1500	600	0.001	99999
		B			1200	300		

INDICATING ERROR

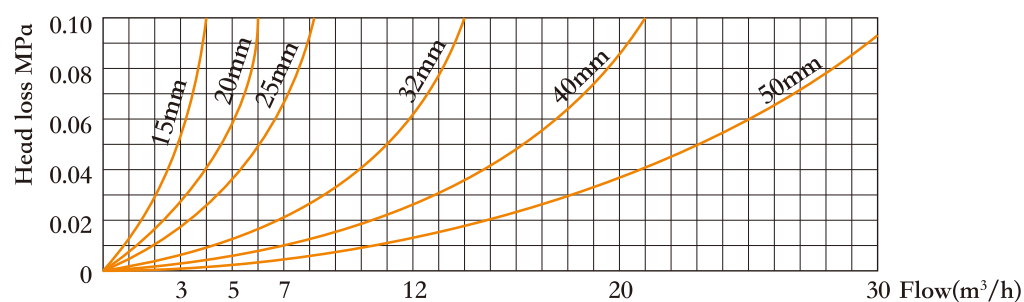
At low zone is ±5% from minimum flow rate (qmin) to transitional flow rate (qt) exclusive boundary

At high zone is ±2% from transitional flow rate (qt) to overload flow rate (qs)

Model: LXSG-15E-50E

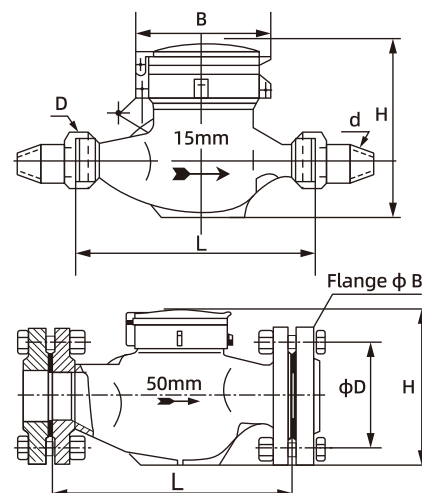


Head Loss Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	B Width	H Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	165	99	104	G 3/4B	1.5
20	190	99	106	G 1B	1.7
25	225	104	120	G1 1/4B	2.4
32	230	104	120	G1 1/2B	2.7
40	245	125	155	G 2B	4.5
50	300	125	155	G2 1/2B	7.2
	280	165	175	FLANGE CONNECTING CONFORM TO GB4216.4 D=165 D1=125	14



WORKING CONDITION:

Water temperature: ≤50°C for cold water meter

Water temperature: ≤90°C for hot water meter

Working pressure: ≤1.6MPa



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Model: LXSG1-15E-25E

Multi Jet Water Meter

Feature:

- Multi jet, Dry-dial, Vertical type
- Material body: Gray cast iron / Ductile cast iron
- Size: DN15 to DN25mm, (1/2"-1")
- Available for cold water (50°C), hot water (90°C)
- Accuracy: Class B



Main Technical Data:

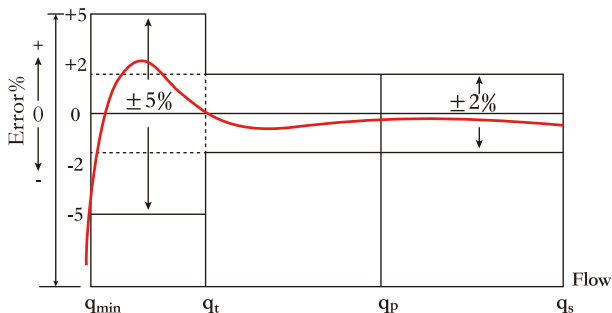
According to IS04064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m ³ /h		L/h		m ³	
15	1/2"	A	3	1.5	150	60	0.0001	99999
		B			120	30		
20	3/4"	A	5	2.5	250	100	0.0001	99999
		B			200	50		
25	1"	A	7	3.5	350	140	0.0001	99999
		B			280	70		

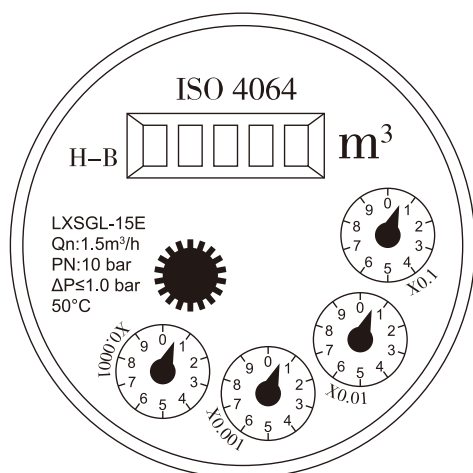
INDICATING ERROR

At low zone is $\pm 5\%$ from minimum flow rate (q_{min}) to transitional flow rate (q_t) exclusive boundary

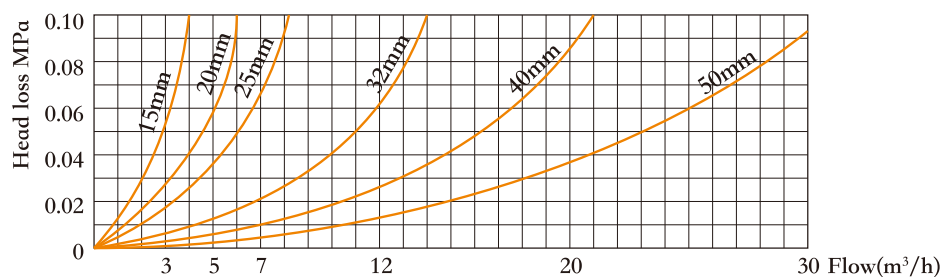
At high zone is $\pm 2\%$ from transitional flow rate (q_t) to overload flow rate (q_s)



Model: LXSGL-15E-25E

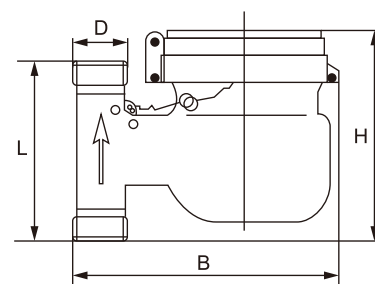


Head Loss Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	B Width	H Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	95	135	120	G 3/4B	1.5
20	99	150	130	G 1B	1.7
25	110	160	130	G1 1/4B	3.0



WORKING CONDITION:

Water temperature: $\leq 50^\circ\text{C}$ for cold water meter

Water temperature: $\leq 90^\circ\text{C}$ for hot water meter

Working pressure: $\leq 1.6\text{Mpa}$



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Model: LXDG-13B-25B

Single Jet Water Meter

Feature:

- Single jet, Dry-dial
- Material body: Brass
- Size: DN15 to DN25mm, (1/2"-1")
- Available for cold water (50°C), hot water (90°C)
- Accuracy: Class C / R160

Main Technical Data:

According to ISO4064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	C	3	1.5	22.5	15	0.0001	99999
20	3/4"	C	5	2.5	37.5	25	0.0001	99999
25	1"	C	7	3.5	52.5	35	0.0001	99999

According to ISO4064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"	25 1"
Q4(m³/h)		3.125	5	7.875
Q3(m³/h)		2.5	4	6.3
R160	Q2(L/h)	25	40	63
	Q1(L/h)	15.625	25	39.375
Min reading(m³)		0.0001	0.0001	0.0001
Max reading(m³)		99999	99999	9999
Max pressure(MAP)		16	16	16
Max loss(Δ P)		63	63	63
Max temperature		T50	T50	T50

INDICATING ERROR

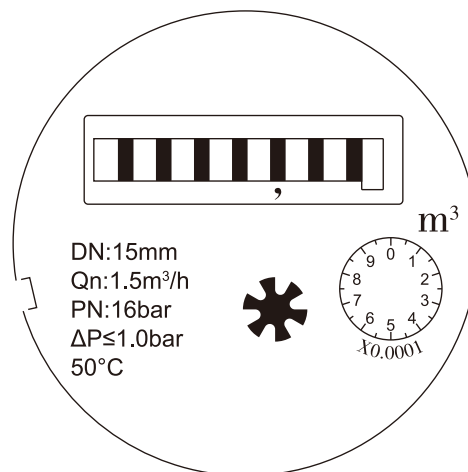
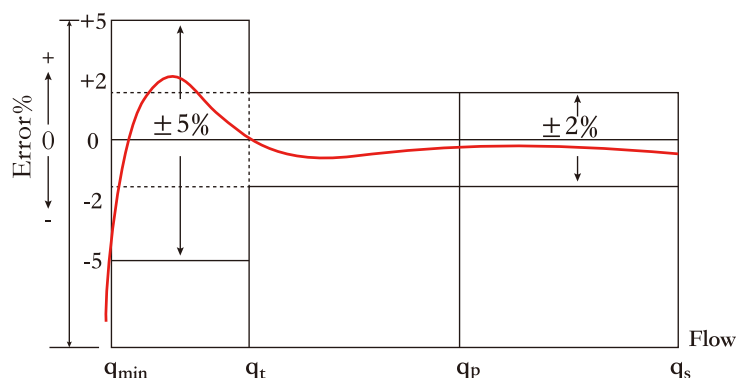
At low zone is ±5% from minimum flow rate (qmin) to transitional flow rate (qt) exclusive boundary

At high zone is ±2% from transitional flow rate (qt) to overload flow rate (qs)

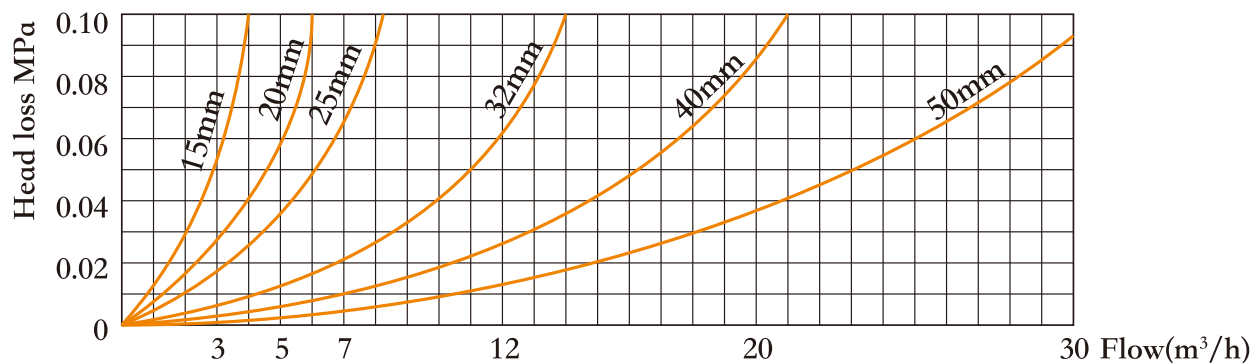


Model: LXDG-13B-25B

Error Curve:

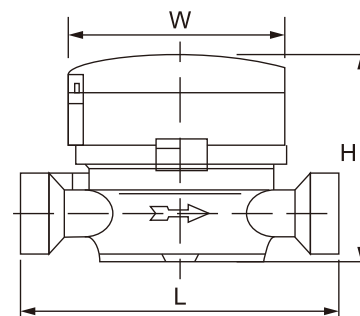


Head Loss Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	W Width	H Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	110	77	80	G 3/4B	0.57
20	130	77	80	G 1B	0.67
25	160	77	85	G1 1/4B	0.91



WORKING CONDITION:

Water temperature: $\leq 50^\circ\text{C}$ for cold water meter

Water temperature: $\leq 90^\circ\text{C}$ for hot water meter

Working pressure: $\leq 1.6\text{MPa}$



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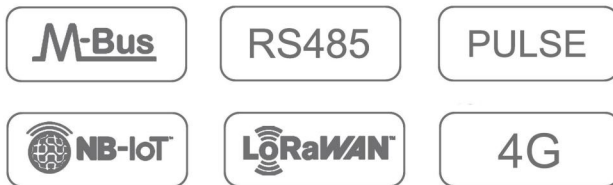
SJWM-13A-25A

Application

SJWM-13A-25A is a pre-equipped single-jet water meter compatible with multiple communication modules.

- M-BUS / RS485 Protocol: EN13757
- Modbus Baud Option: 2400 or 9600
- Pulse Option: 1L/Pulse or 10L/Pulse
- LoRa / LoRaWAN Frequency Rate: 868MHz, 915MHz, 902MHz, 920MHz, etc

Communication

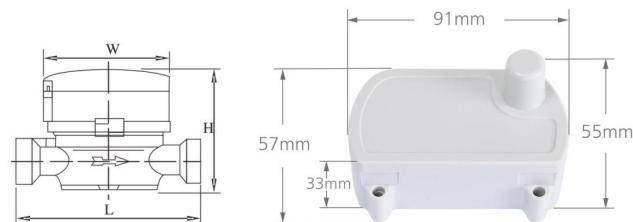


Features

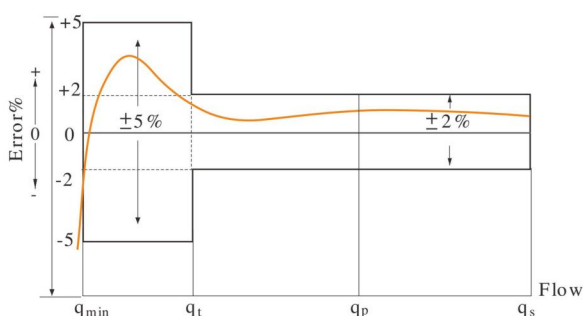
- Pre-equipped Register
- Multiple Accuracy Options
- Durable & Reliable Metrology
- Antimagnetic Type
- 360° Rotating Dial
- Exceptional Industrial Design

Dimensions

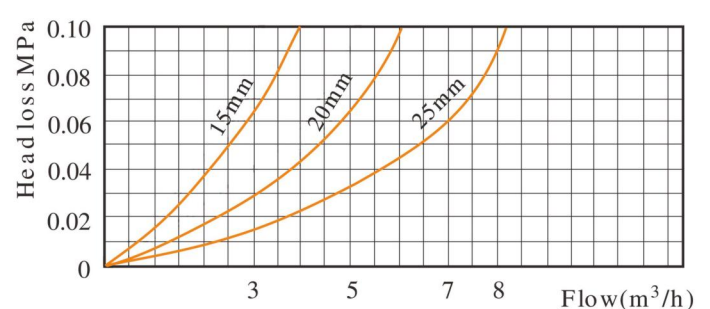
Nominal Diameter(mm)	DN15	DN20	DN25
Thread	G3/4B	G1B	G1 1/4B
Length L(mm)	110	130	160
Height H(mm)	80	85	90
Width W(mm)	80	80	80
Weight (kg)	0.57	0.67	0.91



Error Curve



Head Loss Curve



Main Technical Specifications

	DN15		DN20		DN25	
Q ₄ (Q _{overload}) m ³ /h	3.125	3.125	5	5	7.875	7.875
Q ₃ (Q _{max/permanent}) m ³ /h	2.5	2.5	4	4	6.3	6.3
Q ₂ (Q _{transitional}) m ³ /h	0.05	0.025	0.08	0.04	0.126	0.063
Q ₁ (Q _{min}) m ³ /h	0.03125	0.015625	0.05	0.025	0.07875	0.039375
Start Flow Rate m ³ /h	0.01	0.005	0.014	0.007	0.02	0.012
Dynamic Range	R80	R160	R80	R160	R80	R160
Min Reading(m ³)	0.0001					
Max Reading(m ³)	99,999					
Accuracy Class	Class B, Class C, Class 2 (R80, R100, R160)					
Standard	ISO4064 / OIML R49					
Measured Medium	Water					
Maximum Permissible Error For The Lower Flow Rate Zone	±5%					
Maximum Permissible Error For The Upper Flow Rate Zone	±2% for water having a temperature <30°C ±3% for water having a temperature > 30°C					
Operating Temperature	-10°C~55°C					
Accidental Temperature	-20°C~55°C					
Max Loss(ΔP)	Δp63					
Max Pressure(MAP)	MAP16					
Environmental Classification	Class B					
Protection Class	IP68					
Material	Brass 58-1					
The Installation Sensitivity	U0/D0					
Climatic and Mechanical Environmental Grades	M1					
Communication	Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT,4G					
Installation Direction	Horizontal					
Power Source	Lithium batteries					
Battery Lifetime	10-15 years					
Historical Storage Data	1080 hours, 180 days, 24 months					

Compatible Modules



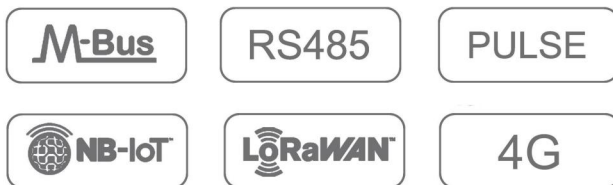
SJWM-13D-25D

Application

SJWM-13D-25D is a pre-equipped single-jet water meter compatible with multiple communication modules.

- M-BUS / RS485 Protocol: EN13757
- Modbus Baud Option: 2400 or 9600
- Pulse Option: 1L/Pulse or 10L/Pulse
- LoRa / LoRaWAN Frequency Rate: 868MHz, 915MHz, 902MHz, 920MHz, etc

Communication

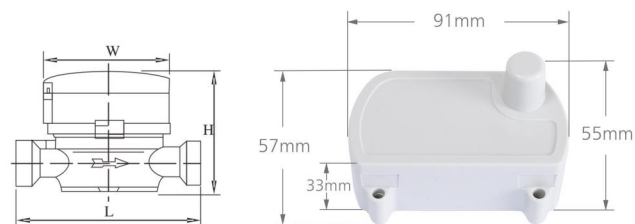


Features

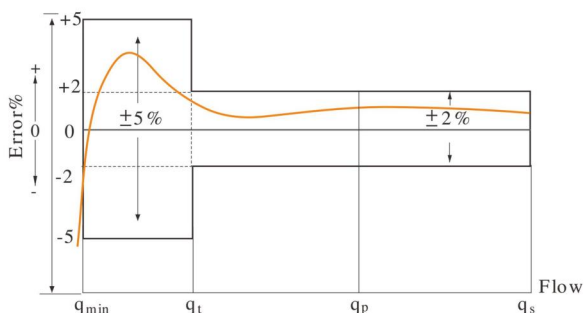
- Magnetic Interference Alarm
- Tamper Alarm
- Multiple Accuracy Options
- Backflow, Reverse Flow Alarm
- Leakage Alarm
- Exceptional Industrial Design

Dimensions

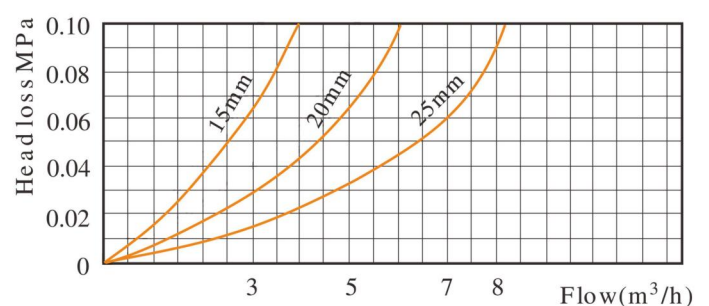
Nominal Diameter(mm)	DN15	DN20	DN25
Thread	G3/4B	G1B	G1 1/4B
Length L(mm)	110	130	160
Height H(mm)	80	85	90
Width W(mm)	80	80	80
Weight (kg)	0.35	0.62	0.90



Error Curve



Head Loss Curve



Main Technical Specifications

	DN15		DN20		DN25	
Q ₄ (Q _{overload}) m ³ /h	3.125	3.125	5	5	7.875	7.875
Q ₃ (Q _{max/permanent}) m ³ /h	2.5	2.5	4	4	6.3	6.3
Q ₂ (Q _{transitional}) m ³ /h	0.05	0.025	0.08	0.04	0.126	0.063
Q ₁ (Q _{min}) m ³ /h	0.03125	0.015625	0.05	0.025	0.07875	0.039375
Start Flow Rate m ³ /h	0.01	0.005	0.014	0.007	0.02	0.012
Dynamic Range	R80	R160	R80	R160	R80	R160
Min Reading(m ³)	0.0001					
Max Reading(m ³)	99,999					
Accuracy Class	Class B, Class C, Class 2 (R80, R100, R160)					
Standard	ISO4064 / OIML R49					
Measured Medium	Water					
Maximum Permissible Error For The Lower Flow Rate Zone	±5%					
Maximum Permissible Error For The Upper Flow Rate Zone	±2% for water having a temperature <30°C ±3% for water having a temperature > 30°C					
Operating Temperature	-10°C~55°C					
Accidental Temperature	-20°C~55°C					
Max Loss(ΔP)	Δp63					
Max Pressure(MAP)	MAP16					
Environmental Classification	Class B					
Protection Class	IP68					
Material	Composite plastic					
The Installation Sensitivity	U0/D0					
Climatic and Mechanical Environmental Grades	M1					
Communication	Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT,4G					
Installation Direction	Horizontal					
Power Source	Lithium batteries					
Module Battery Lifetime	10-15 years					
Historical Storage Data	1080 hours, 180 days, 24 months					

Compatible Modules



Model: LXDG-13C-20C

Single Jet Water Meter

Feature:

- Single jet, Dry-dial
- Material body: Nylon plastic
- Size: DN15 to DN20mm, (1/2"-3/4")
- Available for cold water (50°C)
- Accuracy: Class C / R160

Main Technical Data:

According to ISO4064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	C	3	1.5	22.5	15	0.0001	99999
20	3/4"	C	5	2.5	37.5	25	0.0001	99999

According to ISO4064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"
Q4(m³/h)		3.125	5
Q3(m³/h)		2.5	4
R160	Q2(L/h)	25	40
	Q1(L/h)	15.625	25
Min reading(m³)		0.0001	0.0001
Max reading(m³)		99999	99999
Max pressure(MAP)		16	16
Max loss(Δ P)		63	63
Max temperature		T50	T50

INDICATING ERROR

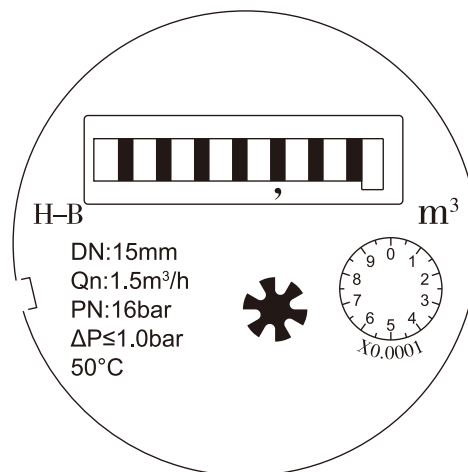
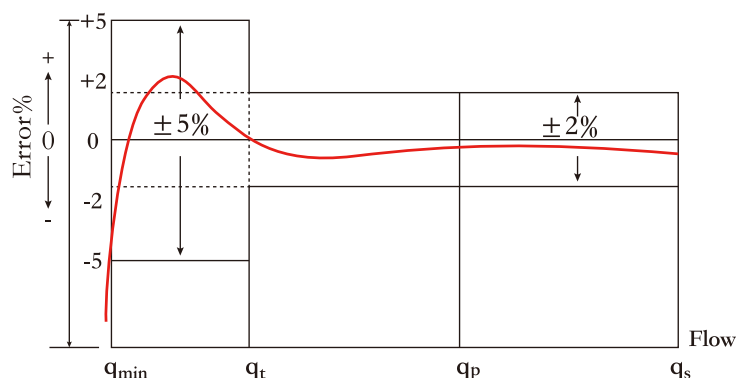
At low zone is ±5% from minimum flow rate (qmin) to transitional flow rate (qt) exclusive boundary

At high zone is ±2% from transitional flow rate (qt) to overload flow rate (qs)

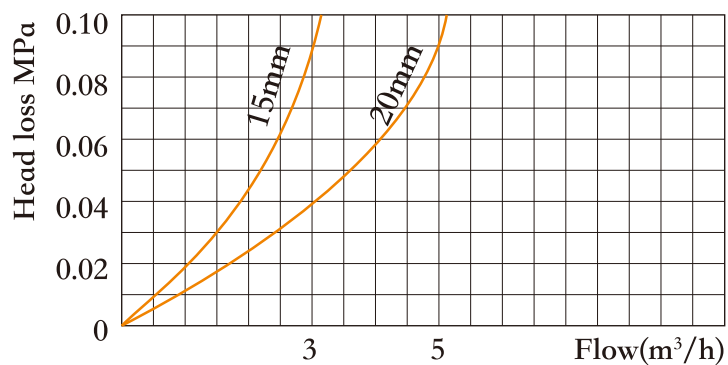


Model: LXDG-13C-20C

Error Curve:

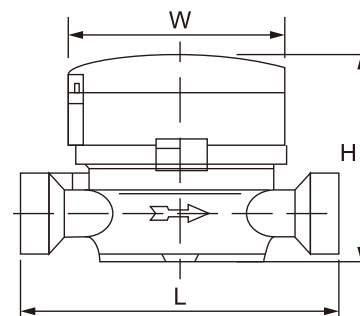


Head Loss Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	W Width	H Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	110	77	80	G 3/4B	0.35
20	130	77	80	G 1B	0.45



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Working pressure: $\leq 1.6\text{Mpa}$



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Model: LXH-15A1-20A1

Volumetric Water Meter

Feature:

- Volumetric piston type
- Material body: Brass
- Size: DN15 to DN20mm, (1/2"-3/4")
- Available for cold water (50°C)
- Accuracy: Class C / R160 / R200



Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	C	3	1.5	22.5	15	0.0001	9999
20	3/4"	C	5	2.5	37.5	25	0.0001	9999

According to IS04064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"
Q4(m³/h)		3.125	5
Q3(m³/h)		2.5	4
R160	Q2(L/h)	25	40
	Q1(L/h)	15.625	25
R200	Q2(L/h)	20	32
	Q1(L/h)	12.5	20
Min reading(m³)		0.0001	0.0001
Max reading(m³)		9999	9999
Max pressure(MAP)		16	16
Max loss(Δ P)		63	63
Max temperature		T50	T50

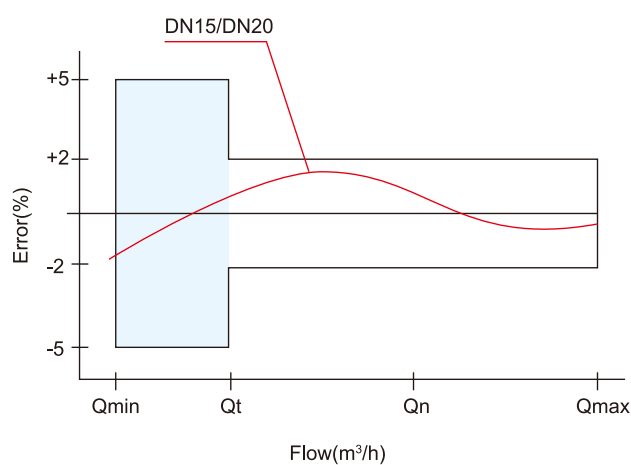
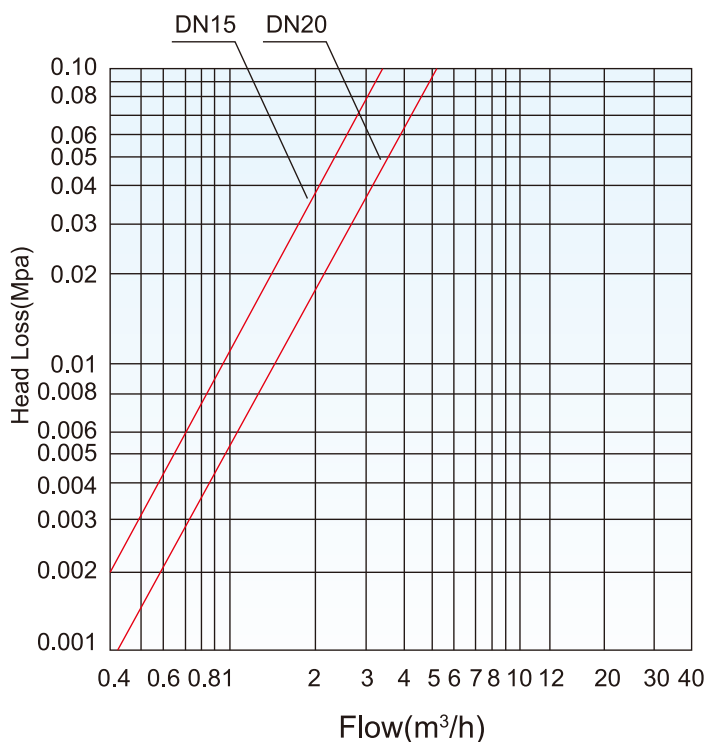
Model: LXH-15A1-20A1

INDICATING ERROR

At low zone is $\pm 5\%$ from minimum flow rate (q_{min}) to transitional flow rate (q_t) exclusive boundary

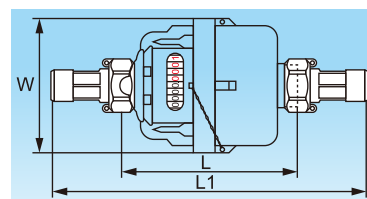
At high zone is $\pm 2\%$ from transitional flow rate (q_t) to overload flow rate (q_s)

Head Loss and Error Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	L1 Width	W Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	115	191	86	G 3/4B	1.00
20	130	228	86	G 1B	1.20



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Working pressure: $\leq 1.6\text{Mpa}$



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Model: LXH-15A2-20A2

Volumetric Water Meter

Feature:

- Pre-equipped for Pulse emitter
- Volumetric piston type
- Material body: Brass
- Size: DN15 to DN20mm, (1/2"-3/4")
- Available for cold water (50°C)
- Accuracy: Class C / R160 / R200



Pre-equipped For
Pulse- emitter



Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	C	3	1.5	22.5	15	0.0001	9999
20	3/4"	C	5	2.5	37.5	25	0.0001	9999

According to IS04064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"
Q4(m³/h)		3.125	5
Q3(m³/h)		2.5	4
R160	Q2(L/h)	25	40
	Q1(L/h)	15.625	25
R200	Q2(L/h)	20	32
	Q1(L/h)	12.5	20
Min reading(m³)		0.0001	0.0001
Max reading(m³)		9999	9999
Max pressure(MAP)		16	16
Max loss(Δ P)		63	63
Max temperature		T50	T50

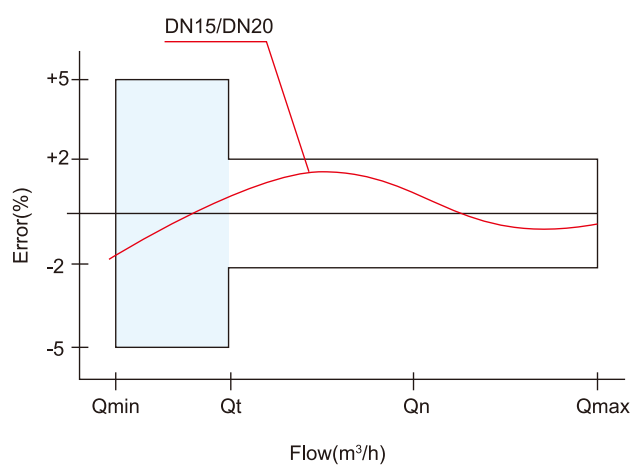
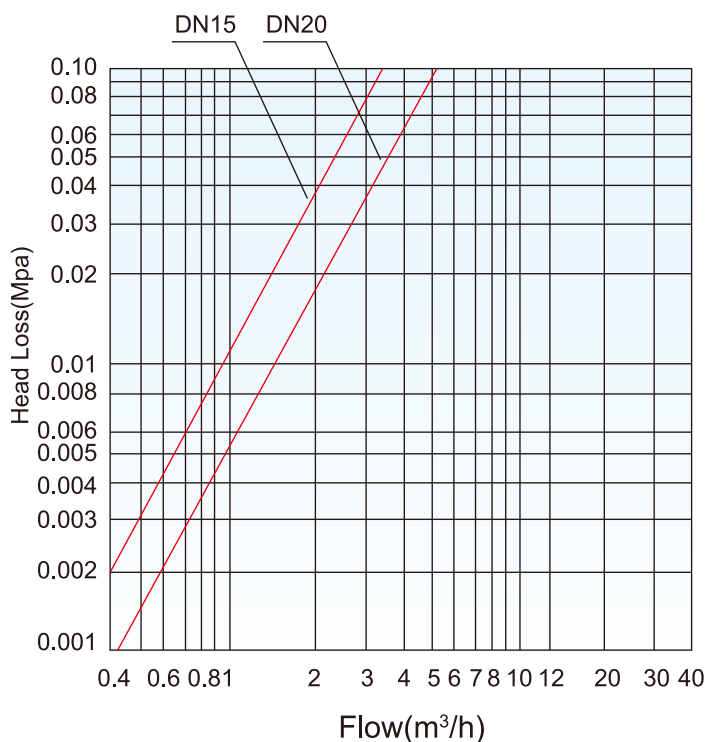
Model: LXH-15A2-20A2

INDICATING ERROR

At low zone is $\pm 5\%$ from minimum flow rate (q_{min}) to transitional flow rate (q_t) exclusive boundary

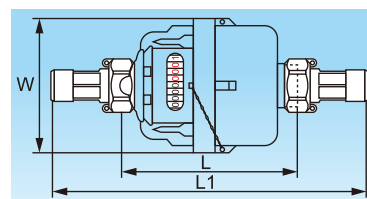
At high zone is $\pm 2\%$ from transitional flow rate (q_t) to overload flow rate (q_s)

Head Loss and Error Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	L1 Width	W Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	115	191	86	G 3/4B	1.00
20	130	228	86	G 1B	1.20



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Working pressure: $\leq 1.6\text{Mpa}$



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Model: LXH-15A-20A

Volumetric Water Meter

Feature:

- Pre-equipped for Pulse emitter
- Volumetric piston type
- Material body: Nylon plastic
- Size: DN15 to DN20mm, ($\frac{1}{2}$ "- $\frac{3}{4}$ ")
- Available for cold water (50°C)
- Accuracy: Class C / R160 / R200



Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h		L/h		m³	
15	1/2"	C	3	1.5	22.5	15	0.0001	9999
20	3/4"	C	5	2.5	37.5	25	0.0001	9999

According to IS04064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"
Q4(m³/h)		3.125	5
Q3(m³/h)		2.5	4
R160	Q2(L/h)	25	40
	Q1(L/h)	15.625	25
R200	Q2(L/h)	20	32
	Q1(L/h)	12.5	20
Min reading(m³)		0.0001	0.0001
Max reading(m³)		9999	9999
Max pressure(MAP)		16	16
Max loss(ΔP)		63	63
Max temperature		T50	T50

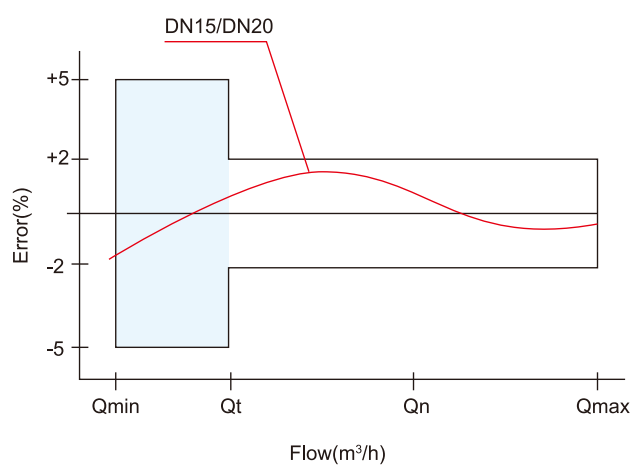
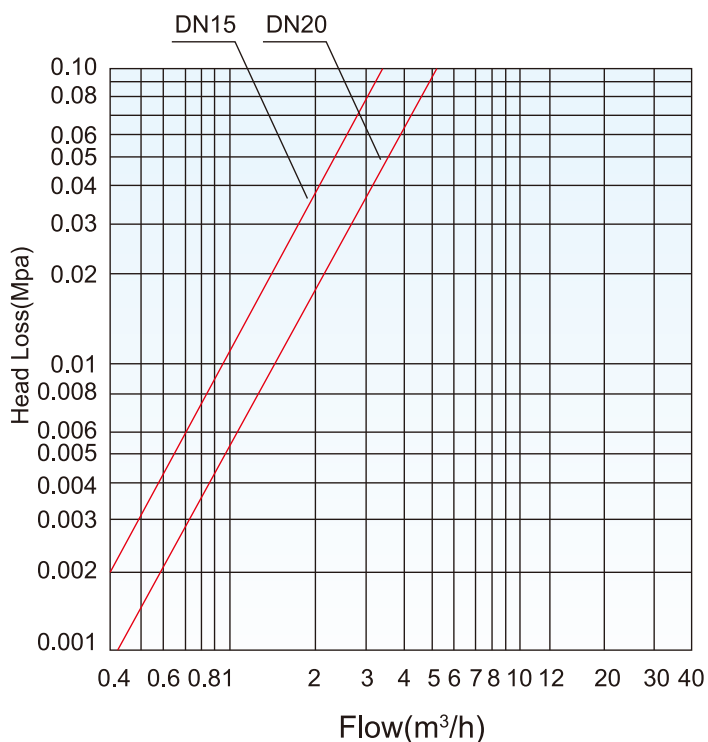
Model: LXH-15A-20A

INDICATING ERROR

At low zone is $\pm 5\%$ from minimum flow rate (q_{min}) to transitional flow rate (q_t) exclusive boundary

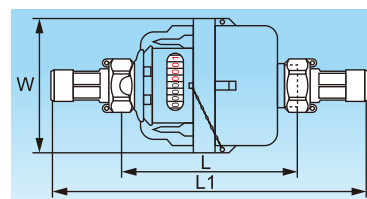
At high zone is $\pm 2\%$ from transitional flow rate (q_t) to overload flow rate (q_s)

Head Loss and Error Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	L1 Width	W Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	110	191	86	G 3/4B	0.46
20	130	228	86	G 1B	0.70



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Working pressure: $\leq 1.6\text{Mpa}$



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Model: LXH-15A4-20A4

Volumetric Water Meter

Feature:

- Volumetric piston type
- Material body: Brass
- Size: DN15 to DN20mm, (1/2"-3/4")
- Available for cold water (50°C)
- Accuracy: Class C / R160 / R200



Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m ³ /h		L/h		m ³	
15	1/2"	C	3	1.5	22.5	15	0.0001	99999
20	3/4"	C	5	2.5	37.5	25	0.0001	99999

According to IS04064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"
Q4(m ³ /h)		3.125	5
Q3(m ³ /h)		2.5	4
R160	Q2(L/h)	25	40
	Q1(L/h)	15.625	25
R200	Q2(L/h)	20	32
	Q1(L/h)	12.5	20
Min reading(m ³)		0.0001	0.0001
Max reading(m ³)		99999	99999
Max pressure(MAP)		16	16
Max loss(Δ P)		63	63
Max temperature		T50	T50

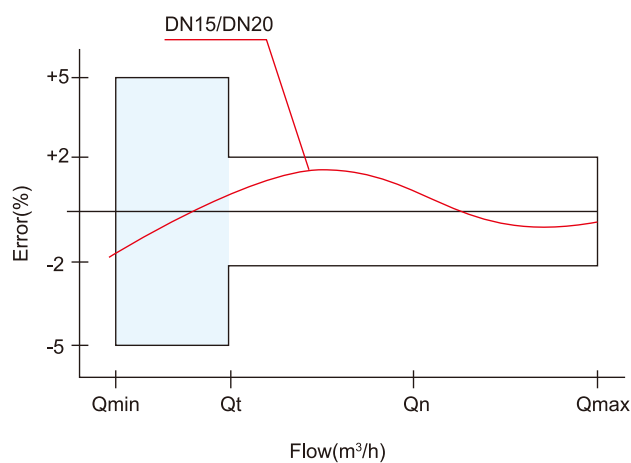
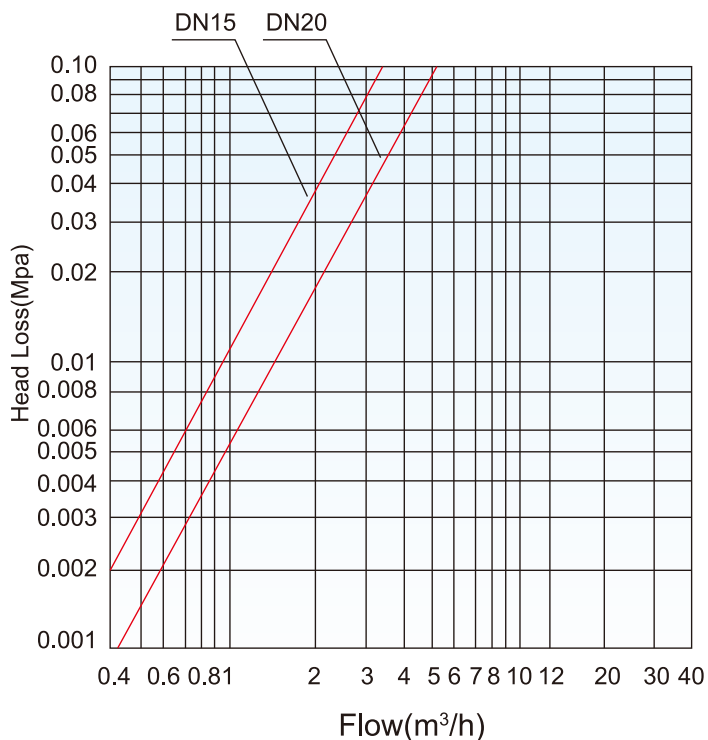
Model: LXH-15A4-20A4

INDICATING ERROR

At low zone is $\pm 5\%$ from minimum flow rate (q_{min}) to transitional flow rate (q_t) exclusive boundary

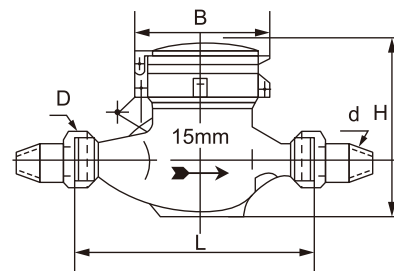
At high zone is $\pm 2\%$ from transitional flow rate (q_t) to overload flow rate (q_s)

Head Loss and Error Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	B Width	H Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	165	95	121	G 3/4B	1.4
20	190	95	121	G 1B	1.7



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Working pressure: $\leq 1.6\text{Mpa}$



XINGHANG

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<https://www.xinghangmeter.com>

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+86-574-27805927

Model: LXH-15A5-20A5

Volumetric Water Meter

Feature:

- Volumetric piston type
- Material body: Nylon plastic
- Size: DN15 to DN20mm, ($\frac{1}{2}$ "- $\frac{3}{4}$ ")
- Available for cold water (50°C)
- Accuracy: Class C / R160 / R200



Main Technical Data:

According to ISO4064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m ³ /h		L/h		m ³	
15	1/2"	C	3	1.5	22.5	15	0.0001	99999
20	3/4"	C	5	2.5	37.5	25	0.0001	99999

According to ISO4064(GB/T778.1-2007) Standard

DN Size	Mm Inch	15 1/2"	20 3/4"
Q4(m ³ /h)		3.125	5
Q3(m ³ /h)		2.5	4
R160	Q2(L/h)	25	40
	Q1(L/h)	15.625	25
R200	Q2(L/h)	20	32
	Q1(L/h)	12.5	20
Min reading(m ³)		0.0001	0.0001
Max reading(m ³)		99999	99999
Max pressure(MAP)		16	16
Max loss(ΔP)		63	63
Max temperature		T50	T50

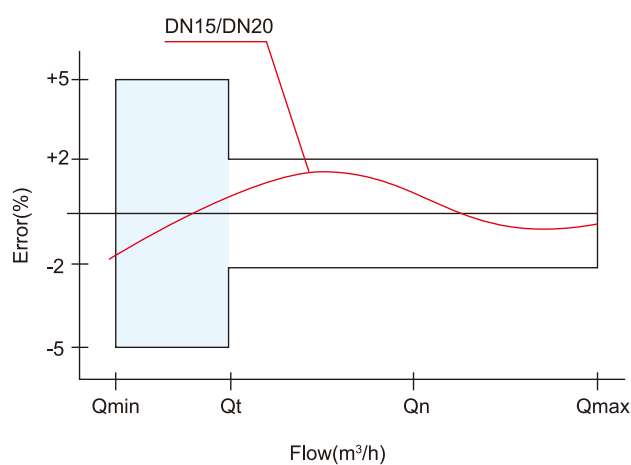
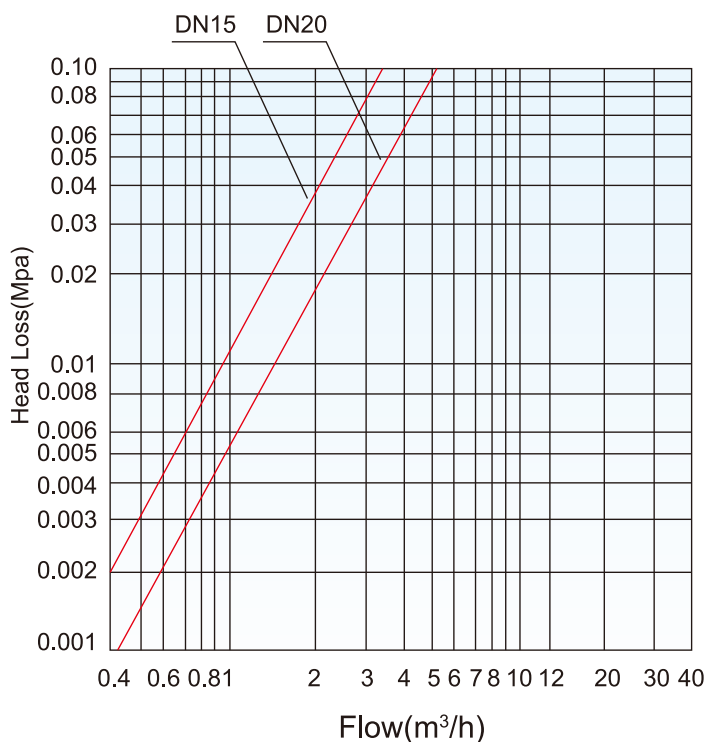
Model: LXH-15A5-20A5

INDICATING ERROR

At low zone is $\pm 5\%$ from minimum flow rate (q_{min}) to transitional flow rate (q_t) exclusive boundary

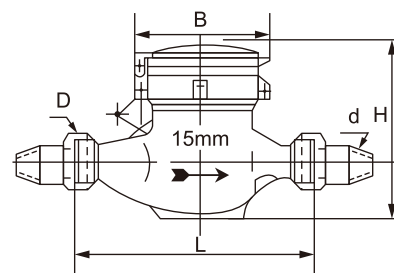
At high zone is $\pm 2\%$ from transitional flow rate (q_t) to overload flow rate (q_s)

Head Loss and Error Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	B Width	W Height	Connecting Thread D	Weight Kg
(mm)	(mm)				
15	165	95	125	G 3/4B	0.58
20	190	95	125	G 1B	0.65



WORKING CONDITION:

Water temperature: $\leq 50^{\circ}\text{C}$ for cold water meter

Working pressure: $\leq 1.6\text{Mpa}$



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