

WARRANTY STATEMENT

Aqualine Water Meters

Single Jet & Multijet Meters

All Aqualine Trading Ltd water meters from Younio have a 2 year warranty.

All water meters are to be installed to manufacture installation guidelines and adhere to local regulatory requirements.

Items:

WM15SJ - 15mm Single Jet Water Meter Cold

WM20SJ - 20mm Single Jet Water Meter Cold

WM25MJ - 25mm Multijet Water Meter Cold

WM32MJ - 32mm Multijet Water Meter Cold

WM40MJ - 40mm Multijet Water Meter Cold

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Single Jet Technical Detail



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

Working Condition

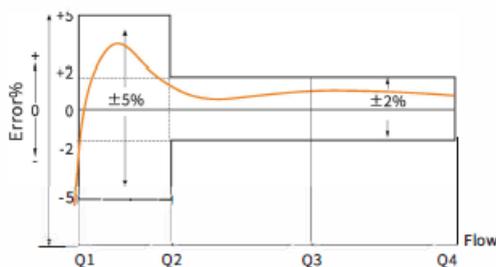
- . Water Temperature : 30°C for cold water
- . Water Pressure: : 1.6Mpa (16bar)

Maximum Permissible Error

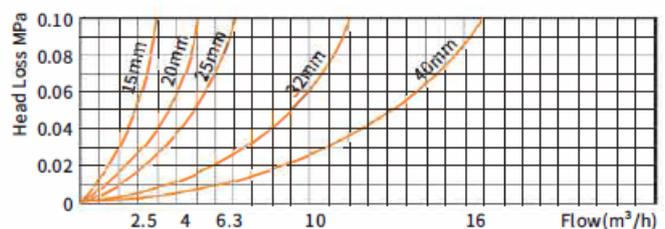
- . In Lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$. In Upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

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Error Curve



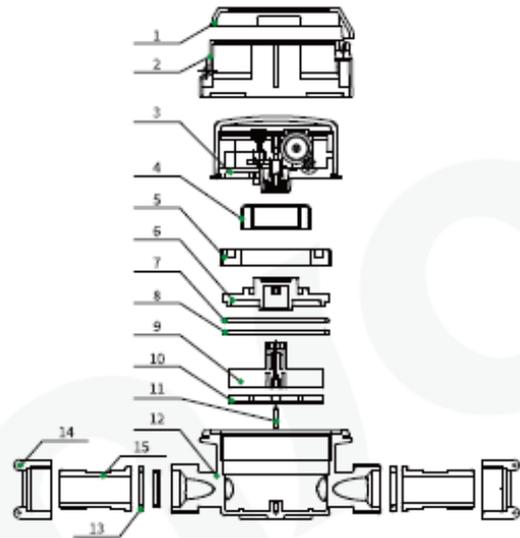
Head Loss Curve



Single Jet Technical Detail

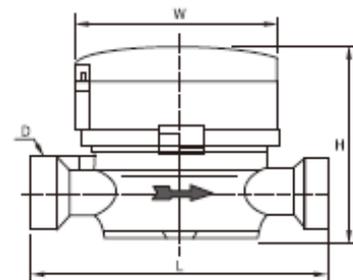
Exploded View

| | | | |
|---|--------------------|----|----------------|
| 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[m²] | | 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 | | △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) | G¾"B | G1"B |

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Multi Jet Technical Detail

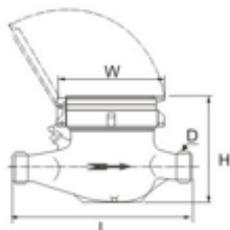
LXSG(R)-15E/S~40E/S

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)
- $\Delta P \leq 0.1\text{MPa}$ (Class B)
- $\Delta P \leq 0.063\text{MPa}$ (R80/R100)

ACCURACY:

- From minimum flow-rate (q_{\min} / q_1) inclusive, to transitional flow-rate (q_2 / q_3), exclusive: $\pm 5\%$
- From transitional flow-rate (q_2 / q_3) inclusive, to overload flow-rate (q_4 / q_5), exclusive: $\pm 2\%$ (Hot water meter: $\pm 3\%$)



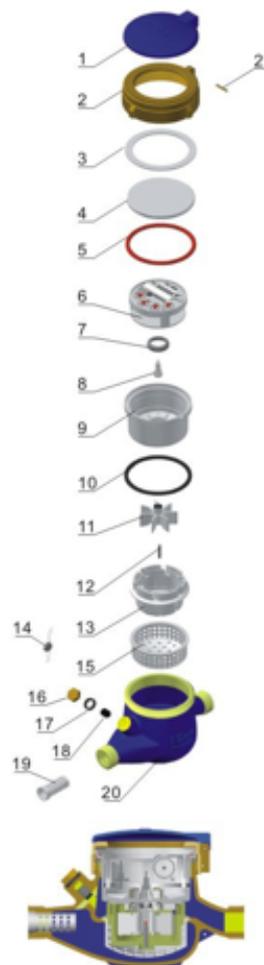
TECHNICAL DATA:

| DN/Q | $Q_4=1.25Q_3$ Q_3 | | $R=Q_3/Q_1$ | $Q_2=1.6Q_1$ Q_1 | | $R=Q_3/Q_1$ | $Q_2=1.6Q_1$ Q_1 | |
|------|---------------------|-------|-------------|--------------------|-------|-------------|--------------------|-----|
| | l/h | | | l/h | | | l/h | |
| 15 | 3125 | 2500 | 80 | 50 | 31.25 | 100 | 40 | 25 |
| 20 | 5000 | 4000 | 80 | 80 | 50 | 100 | 64 | 40 |
| 25 | 7875 | 6300 | 80 | 126 | 78.75 | 100 | 100.8 | 63 |
| 40 | 20000 | 16000 | 80 | 320 | 200 | 100 | 256 | 160 |

| Nominal size DN(mm) | Class of measurement | Overload flow-rate q_5 (m^3/h) | Permanent flow-rate q_3 (m^3/h) | Transitional flow-rate q_2 (l/h) | Minimum flow-rate q_{\min} (l/h) |
|---------------------|----------------------|--|---|------------------------------------|------------------------------------|
| 15 | B | 3 | 1.5 | 120 | 30 |
| 20 | B | 5 | 2.5 | 200 | 50 |
| 25 | B | 7 | 3.5 | 280 | 70 |
| 40 | B | 20 | 10 | 800 | 200 |

OVERALL DIMENSIONS AND WEIGHT

| Type | Size (mm) | Length (mm) L | Width (mm) W | Height (mm) H | Connecting Thread D | Weight (kg) |
|---------------|-----------|---------------|--------------|---------------|----------------------|-------------|
| LXSG(R)-15E/S | 15 | 165 | 104 | 125 | G $\frac{3}{4}$ " B | 1.5 |
| LXSG(R)-20E/S | 20 | 190 | 104 | 125 | G 1" B | 1.7 |
| LXSG(R)-25E/S | 25 | 190 | 104 | 125 | G1 $\frac{1}{4}$ " B | 2.4 |
| LXSG(R)-40E/S | 40 | 245 | 104 | 165 | G 2" B | 5.1 |



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Reed Switch Details

Old smaller meter (15-20mm) Single Jet - Indent item, limited stock available on request



Newer Meters (15-20mm) Single jet (including Nylon body)



Larger Meters (25-40mm) Brass & Nylon body.



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