

# AQUO

Water meters



**CATALOGUE**

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# AQUO

Smart



# SSM15

- R=400\* (brass), R=800 (composite), (\*) on request up to R500
- IP 68 protection degree
- Integrated radio transmission M-Bus wireless (walk-by, drive-by reading mode), LORAWAN (LPWAN fixed network), NB-IoT
- Alarm detection: leakage, burst (tube brokage), empty pipe, reversed flow, battery remaining capacity under warning threshold, fraud attempt, meter installed in wrong direction, flow over maximum detected, frost alarm
- Suitable for potable water
- Battery lifetime over 13 years
- Operating temperature -25 + 55°C
- LCD 9 digits + icons
- Long-life primary lithium battery



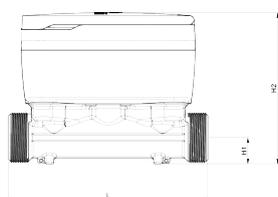
- Integrated water and ambient temperature measurement
- NFC local transmission (ISO 16693) and/or optical port (EN 62056-21)
- Powerful Datalogger with archive of hourly [72 records], daily [60 records], monthly [15 records], yearly [18 records] values

## Displayed values

|                     |                    |                  |                        |                        |
|---------------------|--------------------|------------------|------------------------|------------------------|
| accumulated volume  | firmware version   | flow rate errors | high resolution volume | due date               |
| due date volume     | reverse volume     | flow direction   | frost alarm            | low battery indication |
| radio signal ON/OFF | leakage indication | empty pipe       | display test           | max temperature record |
| radio information   | instant flow rate  |                  |                        |                        |

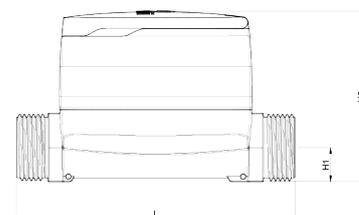
\*Configurable menu sequence

| Model name                  | SSM15             |       |           |       |
|-----------------------------|-------------------|-------|-----------|-------|
| Nominal Diameter            | mm                | DN15  |           |       |
| Material                    |                   | Brass | Composite |       |
| Permanent Flow Rate [Q3]    | m <sup>3</sup> /h | 2.5   | 1.6       | 2.5   |
| Ratio [Q3\Q1]               | R                 | 400   | 400       | 800   |
| Max Flow rate [Q4]          | m <sup>3</sup> /h | 3.125 | 2         | 3.125 |
| Transitional flow rate [Q2] | l/h               | 10    | 6.4       | 5     |
| Minimum flow rate [Q1]      | l/h               | 6.25  | 4         | 3.125 |
| Starting Flow rate          | l/h               | 1     | 1         | 1     |
| Temperature class           | °C                | T50   | T50       | T50   |
| Pressure drop class         | bar               | 0.63  | 0.4       | 0,4   |



Brass version

| Dimensions   |    |    | Brass | Composite |
|--------------|----|----|-------|-----------|
| Meter Length | L  | mm | 110   | 110       |
| Axis Height  | H1 | mm | 16    | 16        |
| Total Height | H2 | mm | 86    | 70        |
| Width        | W  | mm | 84    | 84        |



Composite version

# SSM20

- R=400\* (brass), R=800 (composite),  
(\* on request up to R500)
- IP 68 protection degree
- Integrated radio transmission M-Bus wireless (walk-by, drive-by reading mode), LORAWAN (LPWAN fixed network), NB-IoT
- Alarm detection: leakage, burst (tube brokage), empty pipe, reversed flow, battery remaining capacity under warning threshold, fraud attempt, meter installed in wrong direction, flow over maximum detected, frost alarm
- Suitable for potable water
- Battery lifetime over 13 years
- Operating temperature -25 + 55°C
- LCD 9 digits + icons
- Long-life primary lithium battery



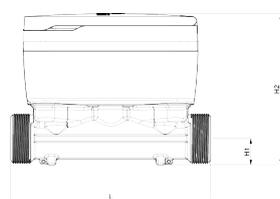
- Integrated water and ambient temperature measurement
- NFC local transmission (ISO 16693) and/or optical port (EN 62056-21)
- Powerful Datalogger with archive of hourly [72 records], daily [60 records], monthly [15 records], yearly [18 records] values

## Displayed values

|                     |                    |                  |                        |                        |
|---------------------|--------------------|------------------|------------------------|------------------------|
| accumulated volume  | firmware version   | flow rate errors | high resolution volume | due date               |
| due date volume     | reverse volume     | flow direction   | frost alarm            | low battery indication |
| radio signal ON/OFF | leakage indication | empty pipe       | display test           | max temperature record |
| radio information   | instant flow rate  |                  |                        |                        |

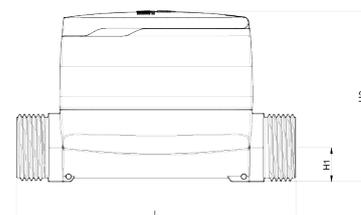
\*Configurable menu sequence

| Model name                  | SSM20             |       |           |     |
|-----------------------------|-------------------|-------|-----------|-----|
| Nominal Diameter            | mm                | DN20  |           |     |
| Material                    |                   | Brass | Composite |     |
| Permanent Flow Rate [Q3]    | m <sup>3</sup> /h | 4     | 2.5       | 4   |
| Ratio [Q3\Q1]               | R                 | 400   | 400       | 800 |
| Max Flow rate [Q4]          | m <sup>3</sup> /h | 5     | 3.125     | 5   |
| Transitional flow rate [Q2] | l/h               | 16    | 10        | 8   |
| Minimum flow rate [Q1]      | l/h               | 10    | 6.25      | 5   |
| Starting Flow rate          | l/h               | 1     | 1         | 1   |
| Temperature class           | ° C               | T50   | T50       | T50 |
| Pressure drop class         | bar               | 0.63  | 0.4       | 0.4 |



Brass version

| Dimensions   |    |    | Brass   | Composite |
|--------------|----|----|---------|-----------|
| Meter Length | L  | mm | 130/190 | 130       |
| Axis Height  | H1 | mm | 19      | 19        |
| Total Height | H2 | mm | 91      | 76        |
| Width        | W  | mm | 84      | 84        |



Composite version

# SSM25

- R=400\* (brass), R=800 (composite),  
(\* ) on request up to R500
- IP 68 protection degree
- Integrated radio transmission M-Bus wireless (walk-by, drive-by reading mode), LORAWAN (LPWAN fixed network), NB-IoT
- Alarm detection: leakage, burst (tube brokage), empty pipe, reversed flow, battery remaining capacity under warning threshold, fraud attempt, meter installed in wrong direction, flow over maximum detected, frost alarm
- Suitable for potable water
- Battery lifetime over 13 years
- Operating temperature -25 + 55°C
- LCD 9 digits + icons
- Long-life primary lithium battery



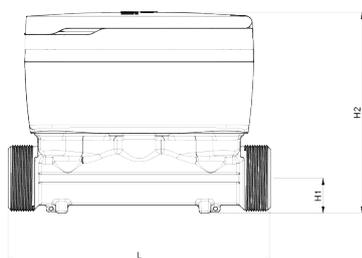
- Integrated water and ambient temperature measurement
- NFC local transmission (ISO 16693) and/or optical port (EN 62056-21)
- Powerful Datalogger with archive of hourly [72 records], daily [60 records], monthly [15 records], yearly [18 records] values

## Displayed values

|                     |                    |                  |                        |                        |
|---------------------|--------------------|------------------|------------------------|------------------------|
| accumulated volume  | firmware version   | flow rate errors | high resolution volume | due date               |
| due date volume     | reverse volume     | flow direction   | frost alarm            | low battery indication |
| radio signal ON/OFF | leakage indication | empty pipe       | display test           | max temperature record |
| radio information   | instant flow rate  |                  |                        |                        |

\*Configurable menu sequence

| Model name                  | SSM25             |       |
|-----------------------------|-------------------|-------|
| Nominal Diameter            | mm                | DN25  |
| Material                    |                   | Brass |
| Permanent Flow Rate [Q3]    | m <sup>3</sup> /h | 6.3   |
| Ratio [Q3\Q1]               | R                 | 400   |
| Max Flow rate [Q4]          | m <sup>3</sup> /h | 7.875 |
| Transitional flow rate [Q2] | l/h               | 25.2  |
| Minimum flow rate [Q1]      | l/h               | 15.75 |
| Starting Flow rate          | l/h               | 2     |
| Temperature class           | °C                | T50   |
| Pressure drop class         | bar               | 0.4   |



| Dimensions   |    |    |     |
|--------------|----|----|-----|
| Meter Length | L  | mm | 260 |
| Axis Height  | H1 | mm | 24  |
| Total Height | H2 | mm | 99  |
| Width        | W  | mm | 84  |

# SSM32

- R=400\* (brass), R=800 (composite),  
(\* ) on request up to R500
- IP 68 protection degree
- Integrated radio transmission M-Bus wireless (walk-by, drive-by reading mode), LORAWAN (LPWAN fixed network), NB-IoT
- Alarm detection: leakage, burst (tube brokage), empty pipe, reversed flow, battery remaining capacity under warning threshold, fraud attempt, meter installed in wrong direction, flow over maximum detected, frost alarm
- Suitable for potable water
- Battery lifetime over 13 years
- Operating temperature -25 + 55°C
- LCD 9 digits + icons
- Long-life primary lithium battery



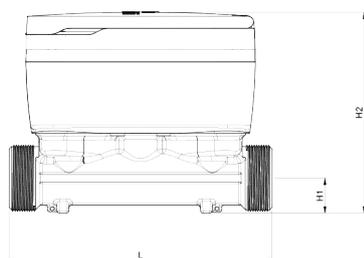
- Integrated water and ambient temperature measurement
- NFC local transmission (ISO 16693) and/or optical port (EN 62056-21)
- Powerful Datalogger with archive of hourly [72 records], daily [60 records], monthly [15 records], yearly [18 records] values

## Displayed values

|                     |                    |                  |                        |                        |
|---------------------|--------------------|------------------|------------------------|------------------------|
| accumulated volume  | firmware version   | flow rate errors | high resolution volume | due date               |
| due date volume     | reverse volume     | flow direction   | frost alarm            | low battery indication |
| radio signal ON/OFF | leakage indication | empty pipe       | display test           | max temperature record |
| radio information   | instant flow rate  |                  |                        |                        |

\*Configurable menu sequence

| Model name                  | SSM32             |       |
|-----------------------------|-------------------|-------|
| Nominal Diameter            | mm                | DN32  |
| Material                    |                   | Brass |
| Permanent Flow Rate [Q3]    | m <sup>3</sup> /h | 10    |
| Ratio [Q3\Q1]               | R                 | 400   |
| Max Flow rate [Q4]          | m <sup>3</sup> /h | 12.5  |
| Transitional flow rate [Q2] | l/h               | 40    |
| Minimum flow rate [Q1]      | l/h               | 25    |
| Starting Flow rate          | l/h               | 3     |
| Temperature class           | °C                | T50   |
| Pressure drop class         | bar               | 0.4   |



| Dimensions   |    |    |     |
|--------------|----|----|-----|
| Meter Length | L  | mm | 260 |
| Axis Height  | H1 | mm | 27  |
| Total Height | H2 | mm | 104 |
| Width        | W  | mm | 84  |

# SSM40

- R=400\* (brass), R=800 (composite),  
(\* ) on request up to R500
- IP 68 protection degree
- Integrated radio transmission M-Bus wireless (walk-by, drive-by reading mode), LORAWAN (LPWAN fixed network), NB-IoT
- Alarm detection: leakage, burst (tube brokage), empty pipe, reversed flow, battery remaining capacity under warning threshold, fraud attempt, meter installed in wrong direction, flow over maximum detected, frost alarm
- Suitable for potable water
- Battery lifetime over 13 years
- Operating temperature -25 + 55°C
- LCD 9 digits + icons
- Long-life primary lithium battery



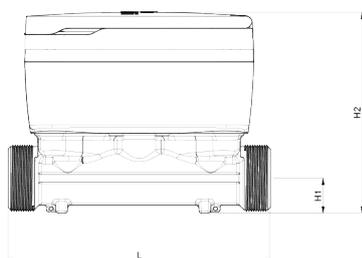
- Integrated water and ambient temperature measurement
- NFC local transmission (ISO 16693) and/or optical port (EN 62056-21)
- Powerful Datalogger with archive of hourly [72 records], daily [60 records], monthly [15 records], yearly [18 records] values

## Displayed values

|                     |                    |                  |                        |                        |
|---------------------|--------------------|------------------|------------------------|------------------------|
| accumulated volume  | firmware version   | flow rate errors | high resolution volume | due date               |
| due date volume     | reverse volume     | flow direction   | frost alarm            | low battery indication |
| radio signal ON/OFF | leakage indication | empty pipe       | display test           | max temperature record |
| radio information   | instant flow rate  |                  |                        |                        |

\*Configurable menu sequence

| Model name                  | SSM40             |       |
|-----------------------------|-------------------|-------|
| Nominal Diameter            | mm                | DN40  |
| Material                    |                   | Brass |
| Permanent Flow Rate [Q3]    | m <sup>3</sup> /h | 16    |
| Ratio [Q3\Q1]               | R                 | 400   |
| Max Flow rate [Q4]          | m <sup>3</sup> /h | 20    |
| Transitional flow rate [Q2] | l/h               | 64    |
| Minimum flow rate [Q1]      | l/h               | 40    |
| Starting Flow rate          | l/h               | 5     |
| Temperature class           | °C                | T50   |
| Pressure drop class         | bar               | 0.63  |



| Dimensions   |    |    |     |
|--------------|----|----|-----|
| Meter Length | L  | mm | 300 |
| Axis Height  | H1 | mm | 33  |
| Total Height | H2 | mm | 113 |
| Width        | W  | mm | 84  |

# AQUO

Single jet dry



# SJD15

SJD1 - SJD2

- Complies with MID and GOST directives
- Single jet, dry type
- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Easy reading with 360 rotating dial or pulse output
- Pre-equipped for communication add-on
- Corrosion resistant brass body
- All parts are made of materials suitable for contact with potable water
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing
- Hot water version available



## Accessories



**Pulse module**  
**M-Bus module**

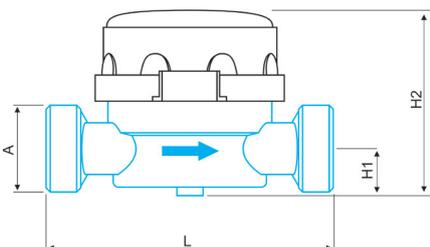


**WM-Bus/LoraWAN**  
**module**



**NB-IoT** NB-IoT module

| Model name                 |                       |                   | SJD1                   |      | SJD2  |      |      |      |
|----------------------------|-----------------------|-------------------|------------------------|------|-------|------|------|------|
| Nominal Diameter           | DN                    | mm                | 15                     |      |       |      |      |      |
| Nominal Pressure           |                       | bar               | 16                     |      |       |      |      |      |
| Connection Diameter        | A                     | inch              | G 3/4 B                |      |       |      |      |      |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 1,6                    |      | 2,5   |      |      |      |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 2                      |      | 3,125 |      |      |      |
| Measuring Range Ratio      | Horizontal connection | R                 | 80*                    | 100* | 80*   | 100* | 160* |      |
| Transitional Flowrate      |                       | Q2                | L/h                    | 32   | 25,6  | 50   | 40   | 25   |
| Minimum Flowrate           | Vertical connection   | Q1                | L/h                    | 20   | 16    | 31,3 | 25   | 15,6 |
| Measuring Range Ratio      |                       | R                 |                        | 40   | 50    | 40   | 50   |      |
| Transitional Flowrate      |                       | Q2                | L/h                    | 64   | 51,2  | 10   | 80   |      |
| Minimum Flowrate           | Q1                    | L/h               | 40                     | 32   | 62,5  | 50   |      |      |
| Temperature Class          | T                     | °C                | T30 T50 T70 T90 T30/90 |      |       |      |      |      |
| Pressure Drop              |                       | bar               | 0,63                   |      |       |      |      |      |
| Maximum Working Pressure   |                       | bar               | 16                     |      |       |      |      |      |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999                  |      |       |      |      |      |
| Minimum Reading Resolution |                       |                   | 0,05                   |      |       |      |      |      |



| Dimensions   |    |    | SJD1 | SJD2 |
|--------------|----|----|------|------|
| Meter Length | L  | mm | 110  |      |
| Axis Height  | H1 | mm | 18   |      |
| Total Height | H2 | mm | 71   |      |
| Width        | W  | mm | 75   |      |

\*Only available with Q3= 2,5 m<sup>3</sup>/h R<=H100

# SJD20

SJD3 - SJD4 - SJD5 - SJD6 - SJD7 - SJD8

- Complies with MID and GOST directives
- Single jet, dry type
- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Easy reading with 360 rotating dial or pulse output
- Pre-equipped for communication add-on
- Corrosion resistant brass body
- All parts are made of materials suitable for contact with potable water
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing
- Hot water version available



## Accessories



**Pulse module  
M-Bus module**

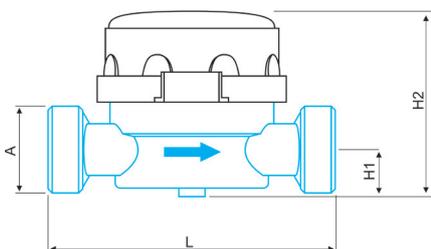


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | SJD3 - SJD4 - SJD5     |      |      | SJD6 - SJD7 - SJD8 |      |      |    |
|----------------------------|-----------------------|-------------------|------------------------|------|------|--------------------|------|------|----|
| Nominal Diameter           | DN                    | mm                | 20                     |      |      |                    |      |      |    |
| Nominal Pressure           |                       | bar               | 16                     |      |      |                    |      |      |    |
| Connection Diameter        | A                     | inch              | G 1 B                  |      |      |                    |      |      |    |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 2,5                    |      |      | 4                  |      |      |    |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 3,125                  |      |      | 5                  |      |      |    |
| Measuring Range Ratio      | Horizontal connection | R                 | 80*                    | 100* | 160* | 80*                | 100* | 160* |    |
| Transitional Flowrate      |                       | Q2                | L/h                    | 50   | 40   | 25                 | 80   | 64   | 40 |
| Minimum Flowrate           |                       | Q1                | L/h                    | 31,3 | 25   | 15,6               | 50   | 40   | 25 |
| Measuring Range Ratio      | Vertical connection   | R                 | 40                     | 50   |      | 40                 |      | 50   |    |
| Transitional Flowrate      |                       | Q2                | L/h                    | 100  | 80   |                    | 160  | 128  |    |
| Minimum Flowrate           |                       | Q1                | L/h                    | 62,5 | 50   |                    | 100  | 80   |    |
| Temperature Class          | T                     | °C                | T30 T50 T70 T90 T30/90 |      |      |                    |      |      |    |
| Pressure Drop              |                       | bar               | 0,63                   |      |      |                    |      |      |    |
| Maximum Working Pressure   |                       | bar               | 16                     |      |      |                    |      |      |    |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999                  |      |      |                    |      |      |    |
| Minimum Reading Resolution |                       |                   | 0,05                   |      |      |                    |      |      |    |



| Dimensions   |    |    | SJD6<br>SJD3 | SJD7<br>SJD4 | SJD8<br>SJD5 |
|--------------|----|----|--------------|--------------|--------------|
| Meter Length | L  | mm | 110          | 130          | 190          |
| Axis Height  | H1 | mm | 18           | 18           | 18           |
| Total Height | H2 | mm | 71           | 71           | 71           |
| Width        | W  | mm | 75           | 75           | 75           |

# AQUO

Multi jet dry



# MJD15

MJD1 - MJD2

- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid for easy reading
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing
- Hot water version available (e.g.: MJD1-HW)



## Accessories



**Pulse module  
M-Bus module**

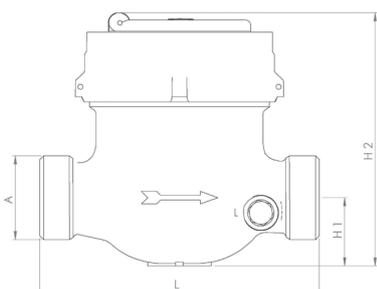


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJD1 - MJD2        |     |     |      |
|----------------------------|-----------------------|-------------------|--------------------|-----|-----|------|
| Nominal Diameter           | DN                    | mm                | 15                 |     |     |      |
| Nominal Pressure           |                       | bar               | 16                 |     |     |      |
| Connection Diameter        | A                     | inch              | G 3/4 B            |     |     |      |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 2,5                |     |     |      |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 3,125              |     |     |      |
| Measuring Range Ratio      | Horizontal connection | R                 | 100                | 125 | 160 |      |
| Transitional Flowrate      |                       | Q2                | L/h                | 40  | 32  | 25   |
| Minimum Flowrate           |                       | Q1                | L/h                | 25  | 20  | 15,6 |
| Temperature Class          | T                     | °C                | T50 T70 T90 T30/90 |     |     |      |
| Pressure Drop              |                       | bar               | 0,63               |     |     |      |
| Maximum Working Pressure   |                       | bar               | 16                 |     |     |      |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999              |     |     |      |
| Minimum Reading Resolution |                       |                   | 0,05               |     |     |      |



| Dimensions   |    |    | MJD1 | MJD2 |
|--------------|----|----|------|------|
| Meter Length | L  | mm | 110  | 165  |
| Axis Height  | H1 | mm | 28   | 30   |
| Total Height | H2 | mm | 98   | 108  |
| Width        | W  | mm | 75   | 86   |

# MJD20

MJD3 - MJD4 - MJD5 - MJD6 - MJD7

- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid for easy reading
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing
- Hot water version available (e.g.: MJD3-HW)



## Accessories



**Pulse module  
M-Bus module**



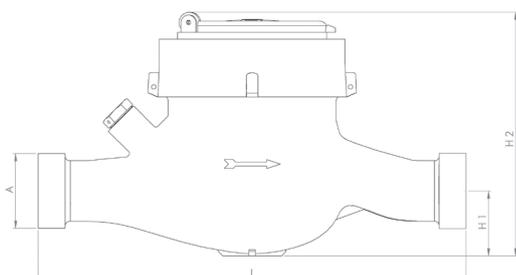
**WM-Bus/LoraWAN  
module**



**NB-IoT NB-IoT module**

| Model name                 |                       |                   | MJD3 - MJD4 - MJD5 |     |     | MJD7  |     |      |    |
|----------------------------|-----------------------|-------------------|--------------------|-----|-----|-------|-----|------|----|
| Nominal Diameter           | DN                    | mm                | 20                 |     |     | 20    |     |      |    |
| Nominal Pressure           |                       | bar               | 16                 |     |     | 16    |     |      |    |
| Connection Diameter        | A                     | inch              | G 1 B              |     |     | G 1 B |     |      |    |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 2,5*               |     |     | 4     |     |      |    |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 3,125              |     |     | 5     |     |      |    |
| Measuring Range Ratio      | Horizontal connection | R                 | 100                | 125 | 160 | 100   | 125 | 160  |    |
| Transitional Flowrate      |                       | Q2                | L/h                | 40  | 32  | 25    | 64  | 51,2 | 40 |
| Minimum Flowrate           |                       | Q1                | L/h                | 25  | 20  | 15,6  | 40  | 32   | 25 |
| Temperature Class          | T                     | °C                | T50 T70 T90 T30/90 |     |     |       |     |      |    |
| Pressure Drop              |                       | bar               | 0,63               |     |     |       |     |      |    |
| Maximum Working Pressure   |                       | bar               | 16                 |     |     |       |     |      |    |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999              |     |     |       |     |      |    |
| Minimum Reading Resolution |                       |                   | 0,05               |     |     |       |     |      |    |

\* Model with permanent flowrate of 2,5 m<sup>3</sup>/h is also available in a more compact version with W=75 mm. (MJD6)



| Dimensions   |    |    | MJD3 | MJD4 | MJD5<br>MJD7 |
|--------------|----|----|------|------|--------------|
| Meter Length | L  | mm | 110* | 130* | 190          |
| Axis Height  | H1 | mm | 28   | 30   | 30           |
| Total Height | H2 | mm | 98   | 108  | 108          |
| Width        | W  | mm | 75   | 86   | 86           |

# MJD25

## MJD8

- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid for easy reading
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing
- Hot water version MJD8-HW available



## Accessories



**Pulse module  
M-Bus module**

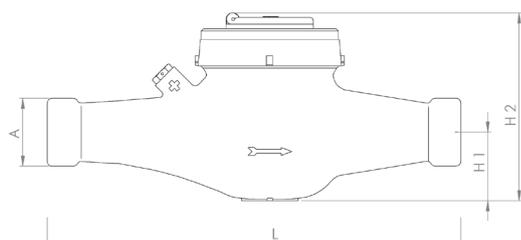


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJD8               |      |      |
|----------------------------|-----------------------|-------------------|--------------------|------|------|
| Nominal Diameter           | DN                    | mm                | 25                 |      |      |
| Nominal Pressure           |                       | bar               | 16                 |      |      |
| Connection Diameter        | A                     | inch              | G 1 1/4 B          |      |      |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 6,3                |      |      |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 7,88               |      |      |
| Measuring Range Ratio      | Horizontal connection | R                 | 100                | 125  | 160  |
| Transitional Flowrate      |                       | Q2                | 10,1               | 80,6 | 63   |
| Minimum Flowrate           |                       | Q1                | 63                 | 50,4 | 39,4 |
| Temperature Class          | T                     | °C                | T50 T70 T90 T30/90 |      |      |
| Pressure Drop              |                       | bar               | 0,63               |      |      |
| Maximum Working Pressure   |                       | bar               | 16                 |      |      |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999              |      |      |
| Minimum Reading Resolution |                       |                   | 0,05               |      |      |



| Dimensions   |    |    | MJD8 |
|--------------|----|----|------|
| Meter Length | L  | mm | 260  |
| Axis Height  | H1 | mm | 43   |
| Total Height | H2 | mm | 120  |
| Width        | W  | mm | 98   |

# MJD32

## MJD9

- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid for easy reading
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing
- Hot water version available (e.g.: MJD9-HW)



## Accessories



**Pulse module  
M-Bus module**

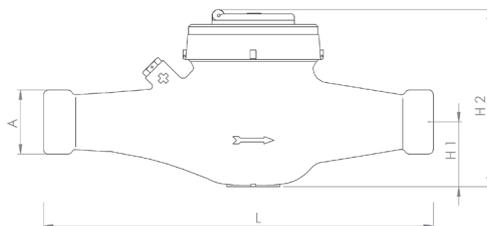


**WM-Bus/LoraWAN  
module**



**NB-IoT NB-IoT module**

| Model name                 |                       |                   | MJD9               |     |      |
|----------------------------|-----------------------|-------------------|--------------------|-----|------|
| Nominal Diameter           | DN                    | mm                | 32                 |     |      |
| Nominal Pressure           |                       | bar               | 16                 |     |      |
| Connection Diameter        | A                     | inch              | G 1 1/2 B          |     |      |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 10                 |     |      |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 12,5               |     |      |
| Measuring Range Ratio      | Horizontal connection | R                 | 100                | 125 | 160  |
| Transitional Flowrate      |                       | Q2                | 160                | 128 | 100  |
| Minimum Flowrate           |                       | Q1                | 100                | 80  | 62,5 |
| Temperature Class          | T                     | °C                | T50 T70 T90 T30/90 |     |      |
| Pressure Drop              |                       | bar               | 0,63               |     |      |
| Maximum Working Pressure   |                       | bar               | 16                 |     |      |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999              |     |      |
| Minimum Reading Resolution |                       |                   | 0,05               |     |      |



| Dimensions   |    |    | MJD9 |  |
|--------------|----|----|------|--|
| Meter Length | L  | mm | 260  |  |
| Axis Height  | H1 | mm | 43   |  |
| Total Height | H2 | mm | 120  |  |
| Width        | W  | mm | 98   |  |

# MJD40

MJD10

- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid for easy reading
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing
- Hot water version MJD10-HW available



## Accessories



**Pulse module  
M-Bus module**

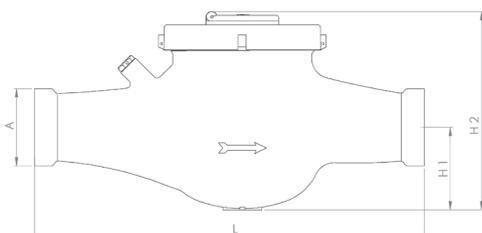


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJD10              |       |     |
|----------------------------|-----------------------|-------------------|--------------------|-------|-----|
| Nominal Diameter           | DN                    | mm                | 40                 |       |     |
| Nominal Pressure           |                       | bar               | 16                 |       |     |
| Connection Diameter        | A                     | inch              | G 2 B              |       |     |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 16                 |       |     |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 20                 |       |     |
| Measuring Range Ratio      | Horizontal connection | R                 | 100                | 125   | 160 |
| Transitional Flowrate      |                       | Q2                | 256                | 204,8 | 160 |
| Minimum Flowrate           |                       | Q1                | 160                | 128   | 100 |
| Temperature Class          | T                     | °C                | T50 T70 T90 T30/90 |       |     |
| Pressure Drop              |                       | bar               | 0,63               |       |     |
| Maximum Working Pressure   |                       | bar               | 16                 |       |     |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999              |       |     |
| Minimum Reading Resolution |                       |                   | 0,05               |       |     |



| Dimensions   |    |    | MJD10 |
|--------------|----|----|-------|
| Meter Length | L  | mm | 300   |
| Axis Height  | H1 | mm | 62    |
| Total Height | H2 | mm | 150   |
| Width        | W  | mm | 127   |

# MJD50

MJD11

- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid for easy reading
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing
- Hot water version MJD11-HW available



## Accessories



**Pulse module  
M-Bus module**

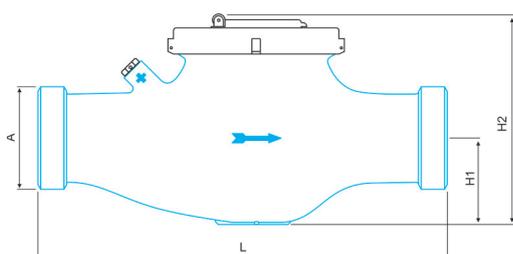


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJD11              |     |       |
|----------------------------|-----------------------|-------------------|--------------------|-----|-------|
| Nominal Diameter           | DN                    | mm                | 50                 |     |       |
| Nominal Pressure           |                       | bar               | 16                 |     |       |
| Connection Diameter        | A                     | inch              | G 2 1/2 B          |     |       |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 25                 |     |       |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 31,25              |     |       |
| Measuring Range Ratio      | Horizontal connection | R                 | 100                | 125 | 160   |
| Transitional Flowrate      |                       | Q2                | 400                | 320 | 250   |
| Minimum Flowrate           |                       | Q1                | 250                | 200 | 156,3 |
| Temperature Class          | T                     | °C                | T50 T70 T90 T30/90 |     |       |
| Pressure Drop              |                       | bar               | 0,63               |     |       |
| Maximum Working Pressure   |                       | bar               | 16                 |     |       |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999              |     |       |
| Minimum Reading Resolution |                       |                   | 0,05               |     |       |



| Dimensions   |    |    | MJD11 |
|--------------|----|----|-------|
| Meter Length | L  | mm | 300   |
| Axis Height  | H1 | mm | 62    |
| Total Height | H2 | mm | 150   |
| Width        | W  | mm | 127   |

# MJD50-F

MJD12

- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid for easy reading
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing
- Hot water version MJD12-HW available



## Accessories



**Pulse module  
M-Bus module**

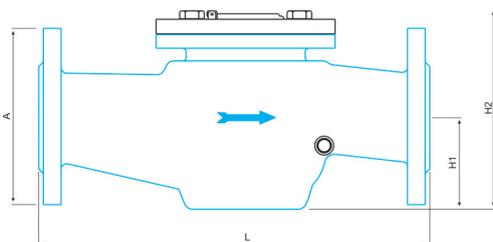


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJD12              |     |       |
|----------------------------|-----------------------|-------------------|--------------------|-----|-------|
| Nominal Diameter           | DN                    | mm                | 50                 |     |       |
| Nominal Pressure           |                       | bar               | 16                 |     |       |
| Connection Diameter        | A                     | inch              | G 2 B              |     |       |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 25                 |     |       |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 3,125              |     |       |
| Measuring Range Ratio      | Horizontal connection | R                 | 100                | 125 | 160   |
| Transitional Flowrate      |                       | Q2                | 400                | 320 | 250   |
| Minimum Flowrate           |                       | Q1                | 250                | 200 | 156,3 |
| Temperature Class          | T                     | °C                | T50 T70 T90 T30/90 |     |       |
| Pressure Drop              |                       | bar               | 0,63               |     |       |
| Maximum Working Pressure   |                       | bar               | 16                 |     |       |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999              |     |       |
| Minimum Reading Resolution |                       |                   | 0,05               |     |       |



| Dimensions   |    |    | MJD12 |  |
|--------------|----|----|-------|--|
| Meter Length | L  | mm | 300   |  |
| Axis Height  | H1 | mm | 80    |  |
| Total Height | H2 | mm | 150   |  |
| Width        | W  | mm | 160   |  |

# AQUO

Multi jet semi dry



# MJSD15

MJSD1 - MJSD2

- Semi-dry type mechanism with glycerin
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing



## Accessories



**Pulse module  
M-Bus module**

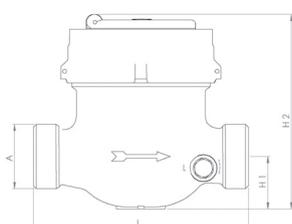


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJSD1 - MJSD2 |      |      |      |
|----------------------------|-----------------------|-------------------|---------------|------|------|------|
| Nominal Diameter           | DN                    | mm                | 15            |      |      |      |
| Nominal Pressure           |                       | bar               | 16            |      |      |      |
| Connection Diameter        | A                     | inch              | G 3/4 B       |      |      |      |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 2,5           |      |      |      |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 3,125         |      |      |      |
| Measuring Range Ratio      | Horizontal connection | R                 | 100           | 125  | 160  |      |
| Transitional Flowrate      |                       | Q2                | L/h           | 40   | 32   | 25   |
| Minimum Flowrate           |                       | Q1                | L/h           | 25   | 20   | 15,6 |
| Measuring Range Ratio      | Vertical connection   | R                 | 40            | 80   | -    |      |
| Transitional Flowrate      |                       | Q2                | L/h           | 100  | 50   | -    |
| Minimum Flowrate           |                       | Q1                | L/h           | 62,5 | 31,3 | -    |
| Temperature Class          | T                     | °C                | T50           |      |      |      |
| Pressure Drop              |                       | bar               | 0,63          |      |      |      |
| Maximum Working Pressure   |                       | bar               | 16            |      |      |      |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999         |      |      |      |
| Minimum Reading Resolution |                       |                   | 0,05          |      |      |      |



| Dimensions   |    |    | MJSD1 | MJSD2 |
|--------------|----|----|-------|-------|
| Meter Length | L  | mm | 110   | 165   |
| Axis Height  | H1 | mm | 28    | 30    |
| Total Height | H2 | mm | 98    | 108   |
| Width        | W  | mm | 75    | 86    |

# MJSD20

MJSD3 - MJSD4 - MJSD5 - MJSD6 - MJSD7

- Semi-dry type mechanism with glycerin
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing



## Accessories



**Pulse module  
M-Bus module**

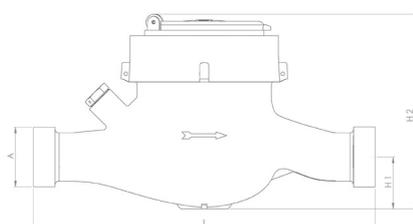


**WM-Bus/LoraWAN  
module**



**NB-IoT NB-IoT module**

| Model name                 |                       |                   | MJSD3 - MJSD4 - MJSD5 |      |      | MJSD7 |     |      |    |
|----------------------------|-----------------------|-------------------|-----------------------|------|------|-------|-----|------|----|
| Nominal Diameter           | DN                    | mm                | 20                    |      |      |       |     |      |    |
| Nominal Pressure           |                       | bar               | 16                    |      |      |       |     |      |    |
| Connection Diameter        | A                     | inch              | G 1 B                 |      |      |       |     |      |    |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 2,5                   |      |      | 4     |     |      |    |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 3,125                 |      |      | 5     |     |      |    |
| Measuring Range Ratio      | Horizontal connection | R                 | 100                   | 125  | 160  | 100   | 125 | 160  |    |
| Transitional Flowrate      |                       | Q2                | L/h                   | 40   | 32   | 25    | 64  | 51,2 | 40 |
| Minimum Flowrate           |                       | Q1                | L/h                   | 25   | 20   | 15,6  | 40  | 32   | 25 |
| Measuring Range Ratio      | Vertical connection   | R                 | 40                    | 80   | -    | 40    | 80  | -    |    |
| Transitional Flowrate      |                       | Q2                | L/h                   | 100  | 50   | -     | 160 | 80   | -  |
| Minimum Flowrate           |                       | Q1                | L/h                   | 62,5 | 31,3 | -     | 100 | 50   | -  |
| Temperature Class          | T                     | °C                | T50                   |      |      |       |     |      |    |
| Pressure Drop              |                       | bar               | 0,63                  |      |      |       |     |      |    |
| Maximum Working Pressure   |                       | bar               | 16                    |      |      |       |     |      |    |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999                 |      |      |       |     |      |    |
| Minimum Reading Resolution |                       |                   | 0,05                  |      |      |       |     |      |    |



| Dimensions   |    |    | MJSD3 | MJSD3 | MJSD5<br>MJSD7 |
|--------------|----|----|-------|-------|----------------|
| Meter Length | L  | mm | 110*  | 130*  | 190            |
| Axis Height  | H1 | mm | 28    | 30    | 30             |
| Total Height | H2 | mm | 98    | 108   | 108            |
| Width        | W  | mm | 75    | 86    | 86             |

# MJSD25

## MJSD8

- Semi-dry type mechanism with glycerin
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing



## Accessories



**Pulse module  
M-Bus module**

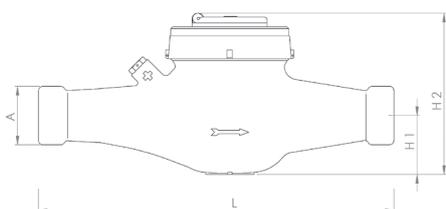


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJSD8     |       |      |      |
|----------------------------|-----------------------|-------------------|-----------|-------|------|------|
| Nominal Diameter           | DN                    | mm                | 25        |       |      |      |
| Nominal Pressure           |                       | bar               | 16        |       |      |      |
| Connection Diameter        | A                     | inch              | G 1 1/4 B |       |      |      |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 6,3       |       |      |      |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 7,88      |       |      |      |
| Measuring Range Ratio      | Horizontal connection | R                 | 100       | 125   | 160  |      |
| Transitional Flowrate      |                       | Q2                | L/h       | 10,1  | 80,6 | 63   |
| Minimum Flowrate           |                       | Q1                | L/h       | 63    | 50,4 | 39,4 |
| Measuring Range Ratio      | Vertical connection   | R                 | 40        | 80    | -    |      |
| Transitional Flowrate      |                       | Q2                | L/h       | 252   | 126  | -    |
| Minimum Flowrate           |                       | Q1                | L/h       | 157,5 | 78,8 | -    |
| Temperature Class          | T                     | °C                | T50       |       |      |      |
| Pressure Drop              |                       | bar               | 0,63      |       |      |      |
| Maximum Working Pressure   |                       | bar               | 16        |       |      |      |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999     |       |      |      |
| Minimum Reading Resolution |                       |                   | 0,05      |       |      |      |



| Dimensions   |    |    | MJSD8 |
|--------------|----|----|-------|
| Meter Length | L  | mm | 260   |
| Axis Height  | H1 | mm | 43    |
| Total Height | H2 | mm | 120   |
| Width        | W  | mm | 98    |

# MJSD32

## MJSD9

- Semi-dry type mechanism with glycerin
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing



## Accessories



**Pulse module  
M-Bus module**

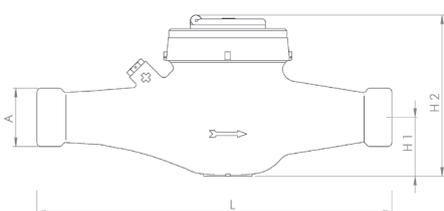


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJSD9     |     |      |
|----------------------------|-----------------------|-------------------|-----------|-----|------|
| Nominal Diameter           | DN                    | mm                | 32        |     |      |
| Nominal Pressure           |                       | bar               | 16        |     |      |
| Connection Diameter        | A                     | inch              | G 1 1/2 B |     |      |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 10        |     |      |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 12,5      |     |      |
| Measuring Range Ratio      | Horizontal connection | R                 | 100       | 125 | 160  |
| Transitional Flowrate      |                       | Q2                | 160       | 128 | 100  |
| Minimum Flowrate           |                       | Q1                | 100       | 80  | 62,5 |
| Measuring Range Ratio      | Vertical connection   | R                 | 40        | 80  | -    |
| Transitional Flowrate      |                       | Q2                | 400       | 200 | -    |
| Minimum Flowrate           |                       | Q1                | 250       | 125 | -    |
| Temperature Class          | T                     | °C                | T50       |     |      |
| Pressure Drop              |                       | bar               | 0,63      |     |      |
| Maximum Working Pressure   |                       | bar               | 16        |     |      |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999     |     |      |
| Minimum Reading Resolution |                       |                   | 0,05      |     |      |



| Dimensions   |    |    | MJSD9 |
|--------------|----|----|-------|
| Meter Length | L  | mm | 260   |
| Axis Height  | H1 | mm | 43    |
| Total Height | H2 | mm | 120   |
| Width        | W  | mm | 98    |

# MJSD40

## MJSD10

- Semi-dry type mechanism with glycerin
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing



## Accessories



**Pulse module  
M-Bus module**

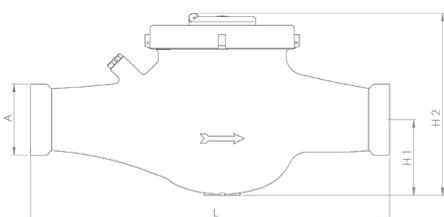


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJSD10 |     |       |     |
|----------------------------|-----------------------|-------------------|--------|-----|-------|-----|
| Nominal Diameter           | DN                    | mm                | 40     |     |       |     |
| Nominal Pressure           |                       | bar               | 16     |     |       |     |
| Connection Diameter        | A                     | inch              | G 2 B  |     |       |     |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 16     |     |       |     |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 20     |     |       |     |
| Measuring Range Ratio      | Horizontal connection | R                 | 100    | 125 | 160   |     |
| Transitional Flowrate      |                       | Q2                | L/h    | 256 | 204,8 | 160 |
| Minimum Flowrate           |                       | Q1                | L/h    | 160 | 128   | 100 |
| Measuring Range Ratio      | Vertical connection   | R                 | 40     | 80  | -     |     |
| Transitional Flowrate      |                       | Q2                | L/h    | 640 | 320   |     |
| Minimum Flowrate           |                       | Q1                | L/h    | 400 | 200   |     |
| Temperature Class          | T                     | °C                | T50    |     |       |     |
| Pressure Drop              |                       | bar               | 0,63   |     |       |     |
| Maximum Working Pressure   |                       | bar               | 16     |     |       |     |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999  |     |       |     |
| Minimum Reading Resolution |                       |                   | 0,05   |     |       |     |



| Dimensions   |    |    | MJSD10 |
|--------------|----|----|--------|
| Meter Length | L  | mm | 300    |
| Axis Height  | H1 | mm | 62     |
| Total Height | H2 | mm | 150    |
| Width        | W  | mm | 127    |

# MJSD50

## MJSD11

- Semi-dry type mechanism with glycerin
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing



## Accessories



**Pulse module  
M-Bus module**

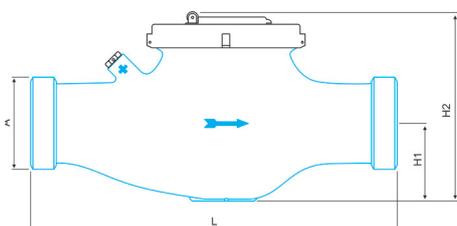


**WM-Bus/LoraWAN  
module**



**NB-IoT NB-IoT module**

| Model name                 |                       |                   | MJSD11    |     |     |       |
|----------------------------|-----------------------|-------------------|-----------|-----|-----|-------|
| Nominal Diameter           | DN                    | mm                | 50        |     |     |       |
| Nominal Pressure           |                       | bar               | 16        |     |     |       |
| Connection Diameter        | A                     | inch              | G 2 1/2 B |     |     |       |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 25        |     |     |       |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 31,25     |     |     |       |
| Measuring Range Ratio      | Horizontal connection | R                 | 100       | 125 | 160 |       |
| Transitional Flowrate      |                       | Q2                | L/h       | 400 | 320 | 250   |
| Minimum Flowrate           |                       | Q1                | L/h       | 250 | 200 | 156,3 |
| Measuring Range Ratio      | Vertical connection   | R                 | 40        | 80  | -   |       |
| Transitional Flowrate      |                       | Q2                | L/h       | 800 | 400 | -     |
| Minimum Flowrate           |                       | Q1                | L/h       | 500 | 250 | -     |
| Temperature Class          | T                     | °C                | T50       |     |     |       |
| Pressure Drop              |                       | bar               | 0,63      |     |     |       |
| Maximum Working Pressure   |                       | bar               | 16        |     |     |       |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999     |     |     |       |
| Minimum Reading Resolution |                       |                   | 0,05      |     |     |       |



| Dimensions   |    |    | MJSD11 |  |
|--------------|----|----|--------|--|
| Meter Length | L  | mm | 300    |  |
| Axis Height  | H1 | mm | 62     |  |
| Total Height | H2 | mm | 150    |  |
| Width        | W  | mm | 127    |  |

# MJSD50-F

MJSD12

- Semi-dry type mechanism with glycerin
- Long durability thanks to multi jet design
- Suitable for communication add-on or pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid
- Registration capacity 99999 m<sup>3</sup>
- Long service life with sapphire jewel bearing



## Accessories



**Pulse module  
M-Bus module**

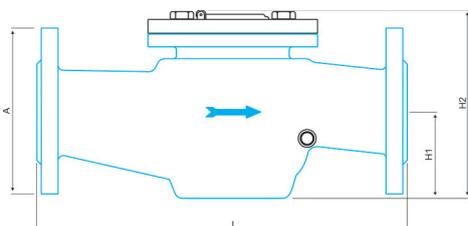


**WM-Bus/LoraWAN  
module**



**NB-IoT module**

| Model name                 |                       |                   | MJSD12 |      |      |       |
|----------------------------|-----------------------|-------------------|--------|------|------|-------|
| Nominal Diameter           | DN                    | mm                | 50     |      |      |       |
| Nominal Pressure           |                       | bar               | 16     |      |      |       |
| Connection Diameter        | A                     | inch              | G 2 B  |      |      |       |
| Permanent Flowrate         | Q3                    | m <sup>3</sup> /h | 25     |      |      |       |
| Maximum Flowrate           | Q4                    | m <sup>3</sup> /h | 3,125  |      |      |       |
| Measuring Range Ratio      | Horizontal connection | R                 | 100    | 125  | 160  |       |
| Transitional Flowrate      |                       | Q2                | L/h    | 400  | 320  | 250   |
| Minimum Flowrate           |                       | Q1                | L/h    | 250  | 200  | 156,3 |
| Measuring Range Ratio      | Vertical connection   | R                 | 40     | 80   | -    |       |
| Transitional Flowrate      |                       | Q2                | L/h    | 100  | 50   | -     |
| Minimum Flowrate           |                       | Q1                | L/h    | 62,5 | 31,3 | -     |
| Temperature Class          | T                     | °C                | T50    |      |      |       |
| Pressure Drop              |                       | bar               | 0,63   |      |      |       |
| Maximum Working Pressure   |                       | bar               | 16     |      |      |       |
| Registration Capacity      |                       | m <sup>3</sup>    | 99999  |      |      |       |
| Minimum Reading Resolution |                       |                   | 0,05   |      |      |       |



| Dimensions   |    |    | MJSD12 |
|--------------|----|----|--------|
| Meter Length | L  | mm | 300    |
| Axis Height  | H1 | mm | 80     |
| Total Height | H2 | mm | 150    |
| Width        | W  | mm | 160    |

# AQUO

## Volumetric



# VD15

## VD1

- Precise measurement with volumetric design
- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Suitable for communication add-on on pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid
- High accuracy over all installation positions
- Long service life with sapphire jewel bearing



## Accessories



**Pulse module  
M-Bus module**

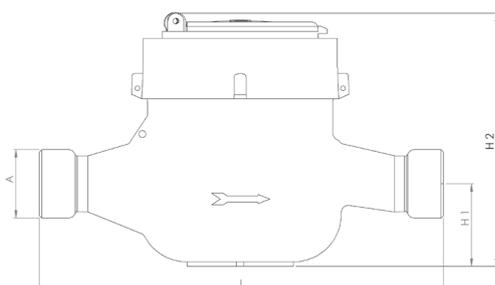


**WM-Bus/LoraWAN  
module**



**NB-IoT NB-IoT module**

| Model name                 |               |                   | VD1     |     |     |     |     |    |
|----------------------------|---------------|-------------------|---------|-----|-----|-----|-----|----|
| Nominal Diameter           | DN            | mm                | 15      |     |     |     |     |    |
| Nominal Pressure           |               | bar               | 16      |     |     |     |     |    |
| Connection Diameter        | A             | inch              | G 3/4 B |     |     |     |     |    |
| Permanent Flowrate         | Q3            | m <sup>3</sup> /h | 2,5     |     |     |     |     |    |
| Maximum Flowrate           | Q4            | m <sup>3</sup> /h | 3,125   |     |     |     |     |    |
| Measuring Range Ratio      | All positions | R                 | 160     | 200 | 250 | 315 | 400 |    |
| Transitional Flowrate      |               | Q2                | L/h     | 25  | 20  | 16  | 13  | 10 |
| Minimum Flowrate           |               | Q1                | L/h     | 16  | 13  | 10  | 8   | 6  |
| Temperature Class          | T             | °C                | T50     |     |     |     |     |    |
| Pressure Drop              |               | bar               | 0,63    |     |     |     |     |    |
| Maximum Working Pressure   |               | bar               | 16      |     |     |     |     |    |
| Registration Capacity      |               | m <sup>3</sup>    | 99999   |     |     |     |     |    |
| Minimum Reading Resolution |               |                   | 0,05    |     |     |     |     |    |



| Dimensions   |    |    | VD1 |
|--------------|----|----|-----|
| Meter Length | L  | mm | 165 |
| Axis Height  | H1 | mm | 38  |
| Total Height | H2 | mm | 115 |
| Width        | W  | mm | 86  |

# VD20

## VD2

- Precise measurement with volumetric design
- Vacuum mechanism with dust and steam protection
- Protected against magnetic interference
- Suitable for communication add-on on pulse output
- Corrosion resistant brass body
- Electrostatic painted body
- All parts are made of materials suitable for contact with potable water
- 360° rotating and 180° opening lid
- High accuracy over all installation positions
- Long service life with sapphire jewel bearing



## Accessories



**Pulse module  
M-Bus module**

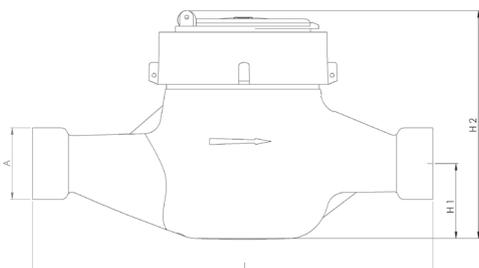


**WM-Bus/LoraWAN  
module**



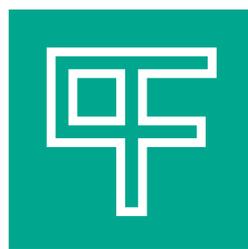
**NB-IoT NB-IoT module**

| Model name                 |               |                   | VD2   |     |     |     |     |    |
|----------------------------|---------------|-------------------|-------|-----|-----|-----|-----|----|
| Nominal Diameter           | DN            | mm                | 20    |     |     |     |     |    |
| Nominal Pressure           |               | bar               | 16    |     |     |     |     |    |
| Connection Diameter        | A             | inch              | G 1 B |     |     |     |     |    |
| Permanent Flowrate         | Q3            | m <sup>3</sup> /h | 2,5   |     |     |     |     |    |
| Maximum Flowrate           | Q4            | m <sup>3</sup> /h | 3,125 |     |     |     |     |    |
| Measuring Range Ratio      | All positions | R                 | 160   | 200 | 250 | 315 | 400 |    |
| Transitional Flowrate      |               | Q2                | L/h   | 25  | 20  | 16  | 13  | 10 |
| Minimum Flowrate           |               | Q1                | L/h   | 16  | 13  | 10  | 8   | 6  |
| Temperature Class          | T             | °C                | T50   |     |     |     |     |    |
| Pressure Drop              |               | bar               | 0,63  |     |     |     |     |    |
| Maximum Working Pressure   |               | bar               | 16    |     |     |     |     |    |
| Registration Capacity      |               | m <sup>3</sup>    | 99999 |     |     |     |     |    |
| Minimum Reading Resolution |               |                   | 0,05  |     |     |     |     |    |



| Dimensions   |    |    | VD2 |
|--------------|----|----|-----|
| Meter Length | L  | mm | 190 |
| Axis Height  | H1 | mm | 38  |
| Total Height | H2 | mm | 115 |
| Width        | W  | mm | 86  |





# Pietro Fiorentini

**CT0067ENG**



The data are not binding. We reserve the right  
to make changes without prior notice.

PF\_water\_meters\_ENG\_revC

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