

# S110

## Water Meters

### Scope of Use / Specification Sheet

The S110 is a single-jet inferential water meter that operates on the velocity principal, where a jet of water enters the measuring chamber and in turn drives the rotor.



WM152HWM

#### Product List

| Order Code | Description               |
|------------|---------------------------|
| WM152HWM   | 15mm C/W Couplings - 115L |

#### Materials

All S110 meters are manufactured from the highest quality materials ensuring maximum resistance to wear and corrosion. Copper alloys in contact with potable water are dezincification resistant and comply with the Australian Standard AS2345.

All other materials in contact with potable water comply with the Australian Standard AS/NZS 4020.

#### Features and Benefits

- Single-jet PICOFLUX EP dry dial meter
- Integrated potential-free pulse output
- Warm water up to 90°C
- Permanent / Continuous flow rate of  $Q_3 = 1.6\text{m}^3/\text{hr}$
- Meter lengths = 115mm
- WaterMark Approved - GW-WM-0402430-I01-R02
- NMI Approved (NMI-14/3/48)
- EU-type examination certification: DE-11-MI001-PTB009

#### Warranty

Reliance Worldwide Corporation (Aust.) Pty. Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture within the warranty period. You may contact RWC at the phone number, or e-mail shown below for further information or to make a claim.

Visit [www.rmc.com.au/warranty](http://www.rmc.com.au/warranty) to view the warranty statement in full and for further important information.

#### Standard and Approval



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### Performance Specifications

| Nominal Meter Diameter (DN mm)                       | UNITS             | DN15                           |
|--|-------------------|--------------------------------|
| Meter Thread Size                                    | Inches            | G 3/4" B                       |
| Permanent / Continuous Flow Rate Q <sub>3</sub>      | m <sup>3</sup> /h | 1.6                            |
| Starting Flow (Approximate)                          | L/h               | 8.0                            |
| Overload Flow Rate Q <sub>4</sub>                    | m <sup>3</sup> /h | 2.0                            |
| Transitional Flow Rate Q <sub>2</sub>                | L/h               | 64                             |
| Minimum Flow Rate Q <sub>1</sub>                     | L/h               | 40                             |
| Flow Capacity at 1 bar pressure loss                 | m <sup>3</sup> /h | 2.5                            |
| Measuring Range (MID) Q <sub>3</sub> /Q <sub>1</sub> | H/V               | R40                            |
| Accuracy Class Warm Water                            |                   | Class 2 ± 3% / ± 5% (Low Flow) |
| Maximum Admissible Temperature                       | °C                | Cold = 30° / Warm = 90°        |
| Maximum Admissible Pressure                          | kPa               | 1600                           |
| Mechanical Class                                     |                   | M1                             |
| Protection Class                                     | IP                | 54                             |
| Magnetic Protection                                  |                   | EN 14154-3                     |
| Min. Straight Length of Inlet/Outlet Pipe            |                   | Upstream = 0 / Downstream = 0  |
| NMI Pattern Approval                                 | Number:           | 14/3/48                        |
| WaterMark Approval                                   | Number            | GW-WM-04024 30-I01-R02         |

### Dimensions

| Nominal Diameter (DN MM)                        | UNITS             | DN15     |
|---|-------------------|----------|
| Permanent / Continuous Flow Rate Q <sub>3</sub> | m <sup>3</sup> /h | 1.6      |
| Meter Thread Size                               | Inches            | G 3/4" B |
| Overall Meter Length (L)                        | mm                | 115      |
| Overall Height (H <sub>2</sub> )                | mm                | 71       |
| Centreline Height (H <sub>1</sub> )             | mm                | 57.5     |
| Maximum Diameter (B)                            | mm                | 71       |
| Diameter at Register Shroud (D)                 | mm                | 64       |
| Bare Weight - Meter Only (Approximate)          | kg                | 0.3      |

