

Icon Water

Approved Products List for Sub-metering Arrangement

Document management

Document authorisation table

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1 Approved Products List for Sub-metering Arrangement

1.1 Water Sub-meter Box Kit for Inground Installation – Potable Water Network

Item	Supplier	Product	Appraisals
1	All Valve	Brand: All Valve Industries Sizes: DN20 Connections: BSP x flat face meter union Rating: PN16 Models: AVMB-2BSP-IW AWMB-2BSP-IW/BP (with spool)	No WSAA appraisal
All Valve sub-meter inground box kit comprises of three main components			
1.1	All Valve	Product: Ball Valve Brand: Airaga Sizes: DN20 Material: Brass Connections: BSP x flat face meter union Rating: PN16 Models: 019400506R1	WSAA PA 1927
1.2	All Valve	Product: Meter Box Brand: Draper Sizes: DN20 (445L * 288W * 320D) Material: High Density Polyethylene Connections: N/A Rating: Class A Models: AVMB-DRA/20/1	No WSAA appraisal
1.3	All Valve	Product: Meter Spacer Brand: Thomas Gooden Foundry Sizes: DN20 Material: Copper Rating: PN16 Models: BP20S-H6	No WSAA appraisal
Item	Supplier	Product	Appraisals
2	Strongcast	Brand: Strongcast Sizes: DN20 Connections: BSP Male – female nut to suit standard domestic water meter Rating: PN16 Models: SCMB2BSP SCMB2BSP/S (with spool)	No WSAA appraisal
Strongcast sub-meter inground box kit comprises of three main components			
2.1	Strongcast	Product: Ball Valve Brand: Strongcast Sizes: DN20 Material: Brass Connections: BSP Male – female nut to suit standard domestic water meter Rating: PN16 Models: QC9746	WSAA PA 2024
2.2	Strongcast	Product: Meter Box Brand: Strongcast Sizes: DN20 (427L * 267W * 316D) Material: High Density Polyethylene Connections: N/A Rating: Class A Models: SCMBL	No WSAA appraisal
2.3	Strongcast	Product: Meter Spacer Brand: Strongcast Sizes: DN20 Material: Composite Rating: PN16 Models: SCDN2014TPI	No WSAA appraisal



All Valve DN20 sub-meter box kit for inground installation



Strongcast DN20 sub-meter box kit for inground installation



Typical plastic debris guard

Limits of Use:

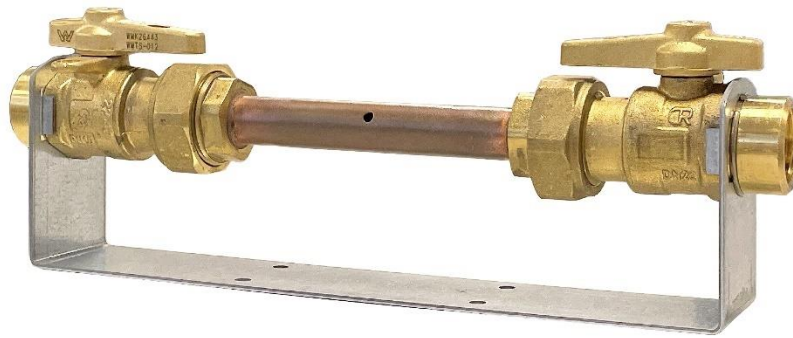
1. The use of plastic threaded components is not allowed within the water network. All threaded components must have a metal-to-metal fit-up.
2. The installation must ensure that ball valve unions are not overtightened. The appropriate tightening is defined as hand tight plus a quarter to a half turn with a spanner. Overtightening can lead to damage of the rubber washer and may result in a noticeable reduction in water service's flow rate. Conversely, not tightening sufficiently can result in leakage. Note that Icon Water is not responsible for any leakage issues downstream of the master meter.
3. For inground installations, the meter box must be supplied with the plastic debris guard. The plastic debris guard must be fitted from the outside of the meter box without the use of any fixings to avoid causing damage to the meter box.

General Notes:

1. Refer to STD-SPE-M-006 Requirements for Property Service Connections and Water Meters for additional information on Icon Water sub-metering requirements.
2. The approval for the ball valves is valid until January 2026 and the ball valve must have lead-free approval from 2026 onwards. The approval will no longer be valid if this certification cannot be provided.
3. Icon Water is currently reviewing the use of ball joints in the metering services and are reviewing the use of nut and tail arrangement. Following the review of these options, Icon Water may consider switching to nut and tail joint type for these assets.

1.2 Water Sub-meter Wall Bracket Kit for Cabinet Installation – Potable Water Network

Item	Supplier	Product	Appraisals
1	All Valve	Brand: All Valve Industries Sizes: DN20 Connections: BSP x flat face meter union Rating: PN16 Models: SMLIMSS-BP	No WSAA appraisal
All Valve sub-meter wall bracket kit comprises of three main components			
1.1	All Valve	Product: Ball Valve Brand: Airaga Sizes: DN20 Material: Brass Connections: BSP x flat face meter union Rating: PN16 Models: 019400506R1	WSAA PA 1927
1.2	All Valve	Product: Bracket Brand: Airaga Sizes: Suit DN20 isolation valves Material: Stainless Steel Connections: N/A Rating: N/A Models: DI01SS/194	No WSAA appraisal
1.3	All Valve	Product: Meter Spacer Brand: Thomas Gooden Foundry Sizes: DN20 Material: Copper Rating: PN16 Models: BP20S-H6	No WSAA appraisal
Item	Supplier	Product	Appraisals
2	Strongcast	Brand: Strongcast Sizes: DN20 Connections: BSP Male – female nut to suit standard domestic water meter Rating: PN16 Models: SCMLIM20Q30GF/S	No WSAA appraisal
Strongcast sub-meter wall bracket kit comprises of three main components			
2.1	Strongcast	Product: Ball Valve Brand: Strongcast Sizes: DN20 Material: Brass Connections: BSP Male – female nut to suit standard domestic water meter Rating: PN16 Models: QC9746	WSAA PA 2024
2.2	Strongcast	Product: Bracket Brand: Strongcast Sizes: Suit DN20 isolation valves Material: Stainless Steel / Composite Connections: N/A Rating: N/A Models: SCMLIM20Q30GF/	No WSAA appraisal
2.3	Strongcast	Product: Meter Spacer Brand: Strongcast Sizes: DN20 Material: Copper Rating: PN16 Models: SCDN2014TPI	No WSAA appraisal



All Valve sub-meter wall bracket kit



Strongcast sub-meter wall bracket kit

Limits of Use:

1. The use of plastic threaded components is not allowed within the water network. All threaded components must have a metal-to-metal fit-up.
2. The installation must ensure that ball valve unions are not overtightened. The appropriate tightening is defined as hand tight plus a quarter to a half turn with a spanner. Overtightening can lead to damage of the rubber washer and may result in a noticeable reduction in water service's flow rate. Conversely, not tightening sufficiently can result in leakage. Note that Icon Water is not responsible for any leakage issues downstream of the master meter.

General Notes:

1. Refer to STD-SPE-M-006 Requirements for Property Service Connections and Water Meters for additional information on Icon Water sub-metering requirements.
2. The approval for the ball valves is valid until January 2026 and the ball valve must have lead-free approval from 2026 onwards. The approval will no longer be valid if this certification cannot be provided.
3. Icon Water is currently reviewing the use of ball joints in the metering services and are reviewing the use of nut and tail arrangement. Following the review of these options, Icon Water may consider switching to nut and tail joint type for these assets.