



## **Groundbreaker<sup>3</sup> specifications.**

### **Kiwa KUKReg4 approval No. 2608727 (1)**

#### **Benefits:**

- Designed to eliminate installer errors.
- Water meter specifically on property served.
- Water meter accessibility for disabled as recommended by Ofwat.
- Meter range up to 3000m.
- No street furniture.
- No joints in service pipes.
- No leakage from service pipes.
- Replace lead pipes simply and efficiently.
- Total accessibility.
- Tell-tale on door to check closure.

#### **Features**

##### **Body:**

- Reprocessed plastics to enhance our carbon footprint.
- Accommodate new generation meters and all Smart meters.
- Accommodates NRv2 or LoFlo water management devices.
- Impermeable membrane seals wall gaps for added insulation.
- Interface with INSUduct.

##### **Security:**

- |                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| • Secure by design    | Accessible only at point of delivery.                       |
| • Toggle latches      | Lockable Stainless steel = additional security.             |
| • Door closure check. | Centre of gravity of door means it must be locked to close. |

##### **Insulation:**

- |                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| • Interlocking insulation       | Dovetails to seal unit internally when door closed.       |
| • Material                      | Graphite infused Synthos Invento Optima 500 FRN grey EPS. |
| • Density                       | 30kg/m <sup>3</sup> .                                     |
| • System thermal resistance (R) | < 8.31 m <sup>2</sup> ·K/W                                |

##### **Manifold:**

- |                              |                                                      |
|------------------------------|------------------------------------------------------|
| • Philmac type connector     | Multiple pipe diameter and material connectors.      |
| • Fittings for "standard" PE | 25mm pipe fittings as standard.                      |
| • Fitting for barrier pipe   | 25mm barrier pipe fitting provided within pack.      |
| • Manifold pressure          | Individually tested to 16 bar: batch test to 50 bar. |

**Applications:**

- New water services.
- Ideal for modular home developments.
- Lead pipe & water service replacements.
- Retrospective meter options.
- Caravan and park homes.
- Agricultural drinking troughs.

**Legislation: -**

- Exceeds Water Industry Standards (BS 5422 / BS EN ISO 12241 benchmark) on frost protection.
- KUKReg4 Approval 2608727 (1).
- WRc approved for functionality.
- Exceeds Australian Standard 4020.



## **Technical data**

### **Size:**

530mm x 300mm x 170mm

### **Connections:**

25mm MDPE (Philmac<sup>tm</sup> type)

Barrier pipe(s) 25mm nominal OD diameter.

Plastic covered copper – adaptor required

### **Control Valve:**

Standard washer / spindle

### **Check valve:**

Watts Ocean or NeoPerl

### **Pressure rating:**

Tested to 15 bar

QA certified to 12 bar.

Burst pressure 46 bar

### **Water meter compatibility**

All concentric types

### **Shell:**

Injection moulded in 100% reprocessed polypropylene material

UV stabilised

50+ year design life

### **Insulation:**

Graphite infused Synthos Invento Optima 500 FRN grey EPS.

Density 30kg/m<sup>3</sup>.

System thermal resistance (R) < 8.31 m<sup>2</sup>·K/W

### **Tools required:**

Drill 7mm masonry bit

Screwdriver (Philips's type)