

Guidance notes

Standard product solutions for household connections

Background

- Meter connections are the point of sale of water to our customers
- The connection is where ownership and responsibility of the water assets change hands from the utility to the customer
- We must deliver safe water from this point and in turn prevent unsafe water from entering back into the system
- Meters tell us how much water we've produced and delivered, as well as how much water is unaccounted for.

Product description

Product one:

Meter box assembly (code: SCMB-1BSPDCV20 and SCMB-1PEDCV20) consisting of the valve box with clip-in base and adjustable supports, lockable isolation valve, solid polyethylene spacer and dual check valve

Product two:

Maintenance kit (code: DN20 KIT) consisting of a lockable isolation valve and dual check valve



Product one



Product two

Product solution

Problem statement:

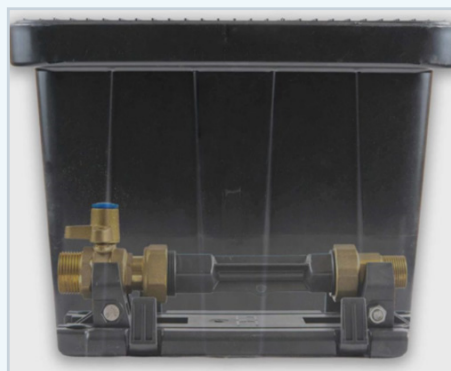
- Illegal connections to service leads
- Service leads are not protected from water contamination
- Re-work is needed to cut and repair footpaths/berms to finish new domestic connections
- There are a large number of joints and failure points
- Conventional dual check valves have high flow restrictions
- Expensive to replace items and carry out repairs.

Solution:

- A lockable tamper proof installation kit that can be installed at the time of the subdivision preparation works
- A reduced number of joints with integrated meter tails and a box fixing base to reduce failures
- A full size dual check valve reduces flow restriction
- Fittings and layout allow easy replacement and flexible repair options.

Change to installation procedure

- The base unit with pre-fitted valve assembly is installed by the developer



- When a customer is ready to connect, we insert the water meter by replacing a solid spacer and removing the lock from the valve.



Key requirements

Design

- CoP-01 water chapter of the land development code of practice
- MS Material supply

Construction

- CG Civil construction
- ME Mechanical construction

Commissioning and handover

- CoP-03 Commissioning code of practice
- Asset data and information standard

Quality assurance

- Compliance policy
- Construction QA templates

Making a connection

- Domestic connections in new subdivisions can now be pre-installed by the developer
- Meter installations are made by us (Watercare)
- Specify the water demand and check that it can be supplied
- The type of land use will influence the type of connection
- Connection fees must be paid before the meter will be installed and water turned on
- Public and private pipe work must be pressure tested and disinfected before we can connect

Disclaimer

This guideline is provided as information only and should not be relied on for technical or contractual instruction.