

Introduction

Aquastop™ is a line-stopping device for stopping of pressurised flow in water/sewer/recycled water pipelines with a size range from DN80 to DN150.

Aquastop™ can be used in all pipe material types. Aquastop™ is installed “Under Pressure” i.e., there is no need to shut the water/sewer/recycled water pipeline down to insert the Aquastop™. Aquastop™ is inserted through a 65mm ball valve set at 45° degrees on a stainless steel tapping clamp that is approved to AS 4181.

Operation

Aquastop™ is inflated by pumping water into the inflatable packer to the predetermined pressure. The supply of water/sewer/recycled water is stopped off to allow maintenance, repairs or the installation of other fittings to be undertaken on the pipeline.

Aquastop™ allows water/sewer/recycled water pipeline repairs, maintenance, installations, replacements and connections to be made to the pipeline without having to shut the water/sewer/recycled water pipeline off. Aquastop™ can be used to “localise” these works into very small lengths of pipeline rather than shutting down a whole street or block of residential, commercial or industrial properties.

Aquastop™ reduces the impact of repairs and maintenance to the customers by way of there being no need to shut the supply off.

Uses

- Replacing defective valves.
- Installing new valves to reduce shut off areas as part of valve installation program
- Water main extensions for new sub divisional works
- New main connections
- Repair and/or maintenance
- Any pipeline isolation activities



Advantages

- Minimises shutdown to small localised length of main
- Using the by-pass facility, no customers will be without water for the duration of the works
- Easy to install - No machinery required apart from the initial tapping of the water main
- Only approved stainless steel materials used
- Access point can be used for other services, e.g. CCTV, Chlorine injection etc.
- GPS is recorded on each job for future location or re-insertion

This proven performance record coupled with CTS Australia's ISO 9000 approvals and documented quality systems provide the Australian and New Zealand reticulation industry with this innovative 21st century technology.

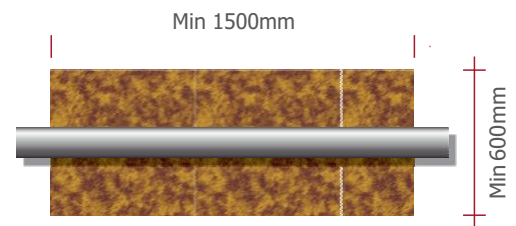
Technical Specifications

- Natural Rubber Construction with Kevlar reinforcement
- Minimum Grade 316 Stainless Steel construction
- Packer ends (ferrules) Grade SAF2205
- 50 mm BSPT by-pass port
- Recommended maximum inflation pressure of packer 300 psi (2000 kPa maximum)
- Suitable on mains \leq 1000kpa in pressure

Excavation Requirements

- The excavation must give 100mm clearance below bottom of the pipe.
- All statutory requirements regarding trenching and confined space need to be complied with.
- Other services may be in the excavation area provided they are not on the same elevation as the pipe to be tapped.
- These are the minimum requirements and if obstructions prevent an excavation of this size please contact us as we may be able to work around them.

Notes on trench dimensions



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