

POO PIT™

MAINTENANCE SHAFT



SCOPE OF USE

- Australian designed and manufactured maintenance shaft for use in sewer, stormwater or subsoil drainage.
- Manufactured to suit PVC, PE, Polypropylene or Clay pipelines.
- The Poo Pit™ achieves any angle between 45 and 315 degrees on DN150mm pipelines and between 65 and 295 degrees on DN 225mm pipelines.
- Grade and invert drops can be achieved without the need for additional fittings such as deflection and kicker bends
- Poo Pits can be supplied with up to 3 inlets and also used as a terminal maintenance shaft.
- Each Poo Pit™ is 100% watertight, with all products individually tested before delivery to site.

STANDARDS

WSA 137-2019 Issue 3 Water Industry Standard for Maintenance shafts and Chambers and Holes for Sewerage

WMTS 509 - 2018 Polypropylene & Polyethylene Access Chambers and Maintenance Shafts for Plumbing and Drainage

QUALITY ISO 9001 – 2015

U.S PATENT 7793991



FEATURES & BENEFITS



- Certified to WSA 137 2019
- In excess of 80000 products in service
- Accommodates any grade and angle
- No horizontal/vertical alignment adjusting bends needed
- Available with DN 225mm or DN 300mm riser
- Up to 3 inlets possible in each Poo Pit™
- Accommodates pipes of all material types
- Suitable for welded connection to Polyethylene pipes
- Made to suit either solvent weld or rubber ring PVC
- Multiple pipe material connections possible on the same pit
- All Fittings prefabricated prior to delivery
- Tested to depths of 7.5m, see local authority for approved depth
- Half Pit available for shallow installations
- 100% watertight. Every product tested
- Lightweight and user friendly
- Corrosion resistant (internal / external)
- Reduced transport and handling costs
- Rapid delivery over traditional materials
- Improved efficiencies providing cost benefits to the end user
- UV resistant, state of the art Polyethylene technology
- No concrete encasement required
- Eliminates confined space entry
- Accommodates traditional and the latest inspection methods
- No variation to design or installation practices required
- Easy connection of new lines
- Reduced excavation size
- No onsite welding or spark testing required



INSTALLATION



STEP 1

INSPECTION OF POO PIT™

The installer shall inspect the delivered product to confirm the Poo Pit™ is free of any obvious defects that may have been caused during handling/delivery to site.



STEP 2

PREPARING THE SITE

The installation bed must be prepared in accordance with the local regulatory requirements.



STEP 3

CONNECTION TO THE DOWNSTREAM OUTLET



STEP 4

SET TO THE REQUIRED LEVEL

STEP 5

PACK/TAMP BEDDING TO SUPPORT THE PRODUCT



STEP 6

CONNECT THE UPSTREAM INLET(S)

STEP 7

CONNECT THE VERTICAL RISER

Cut the riser pipe to the appropriate length, and then connect the vertical riser cap.

STEP 8

BACKFILL AND COMPACT

Carefully backfill and compact in accordance with standard mandatory requirements.



STEP 9

INSTALL ACCESS COVER

Approved trafficable/non-trafficable cover to be installed on firm bedding in accordance with local regulatory requirements. Poo Pits should only be installed by approved or qualified persons as per the relevant authority or plumbing codes of Australia (NCC Volume 3) and associated reference standards as applicable at the time and WMTS509-2018.

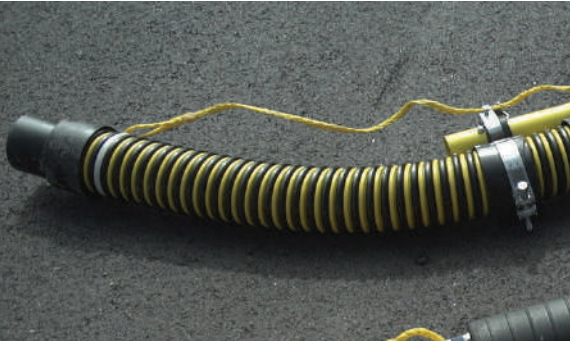


WARNING : All PE Access chamber/Maintenance Shaft and Components shall not be stored near generators or other heat emitting equipment. All PE Access chamber/Maintenance shaft and Components shall not be stored uncovered in direct sunlight for more than 3 months. If extended storage period is anticipated all PE Access Chamber/Maintenance Shaft and Components shall be stored undercover in a manner providing ventilation and preventing heat entrapment

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POO PIT™

INSPECTION MONITORING AND MAINTENANCE EQUIPMENT



The Smartstream Technology Poo Pit™ maintenance shaft is an Australian made and manufactured product for use in sewer, stormwater or subsoil drainage, whilst being designed to suit PVC, PE, polypropylene or clay pipelines.

The Poo Pit™ maintenance shaft offers many unique solutions to regulating authorities, utility providers, engineering designers, specifiers, civil contractors and plumbers. Equally important in its development has been the attention to detail for facilitating easy at surface inspection, monitoring and maintenance of the Poo Pit™ upstream and downstream pipes.

The Poo Pit™ eliminates the need for human access into a toxic and confined space. Confined space entry is extremely hazardous and is considered high risk activity in occupational health and safety regulations. The Poo Pit™ enables all inspection monitoring and maintenance to be undertaken safely from the surface using CCTV cameras, jet rodding equipment and other various other simple tools.

The primary items of equipment which have been designed specifically to allow efficient inspection, monitoring and maintenance of the Smartstream Poo Pit™ are;

- Plug Insertion Tool**
- Upstream Bar**
- Downstream Bar**
- Compressor Gauge**
- Tiger Tail**
- Mini Camera &**
- Universal Pole**

The vertical riser shaft is used for access and insertion of equipment into operational units. Combining the ease of at surface inspection, monitoring and maintenance together with its key characteristics of being corrosion resistant, lightweight and cost effective. The Poo Pit™ is the ideal choice for your next maintenance shaft installation.