

EZiPIT®

PIPELINE DESIGN

EZiPIT® 600 SEWER MAINTENANCE CHAMBER (MC)

The EZiPit® 600 (MC) is a gravity sewer maintenance chamber with a nominal inside diameter of 600mm. It is suitable for installation depths up to 6m. It consists of a polypropylene base, corrugated riser, and ductile iron cover arrangement.

The EZiPit® 600 maintenance chamber permits safe access for cleaning and inspection equipment from the surface, but restricts man entry.

The EZiPit® 600 (MC) consists of the following components:

1. DN 600 polypropylene bases with integral benching and flow channels. All bases include adjustable rubber ring joint sockets compatible with smooth wall DWV PVC-U pipes manufactured to AS/NZS 1260. The sockets allow the installer to adjust the grade or angle by up to 7.5° in any direction in the trench.
2. DN 600 polypropylene corrugated riser. The riser is available in a range of lengths, which can be cut on site to adjust the height of the chamber. The DN 600 riser is light grey in colour.
3. DN 600 SBR seals for the base to riser and riser to cover elastomeric joint.
4. DI 600 Cover arrangements suitable for both trafficable (Class D) and non-trafficable conditions (Class B).
5. SBR seals for the base to pipe connection.

The EZiPit® 600 covers are available in a number of arrangements to suit different installation requirements. They are comprised of the following components:

Class B or D 'Top Hat' cover arrangement Options 1 and 2 (Flat finished surface). Refer figures 42 and 43.

- Ductile iron 'Top Hat' Frame with 600 circular cover. The 'Top Hat' is assembled on the top of the riser and sealed with an EZiPit® 600 rubber ring. The frame is designed with a 300mm clear opening for safety purposes and is available in Class B (non-trafficable) or D (trafficable) with solid top or concrete in-fill covers. (Note: For concrete infill covers, concrete is cast *in situ*).

Class B cover arrangement Option 3 (Flat or sloped finished surface). Refer figure 44.

- Cap and lid with 300mm clear opening for safety purposes. The cap seals against the top of the riser with the EZiPit® 600 rubber ring seal.
- DN 800 PE Shroud (Allows further height and slope adjustment)
- DN 600 ductile iron circular frame and cover (Class B concrete encased). The cover is assembled above the cap and is available with either a solid top or concrete in-fill cover.

Class B or D Conventional cover arrangement Options 4 and 5. Refer figures 45 and 46.

- Ductile iron frame with 600 circular cover. The riser is sealed with the EZiPit® 600 cap and lid and EZiPit® 600 rubber ring seal. (Options 4 & 5)
- DN800 PE shroud Option 4 (Allows further height or sloped adjustment Class B only)
- For Class D, the EZiPit pre-cast concrete ring is assembled above the cap and the frame and cover is assembled on top of the concrete ring. (Option 5).

The information contained in this document should serve as a guide only and is subject to change without notice. For more information please contact Iplex Pipelines Australia Pty Ltd.

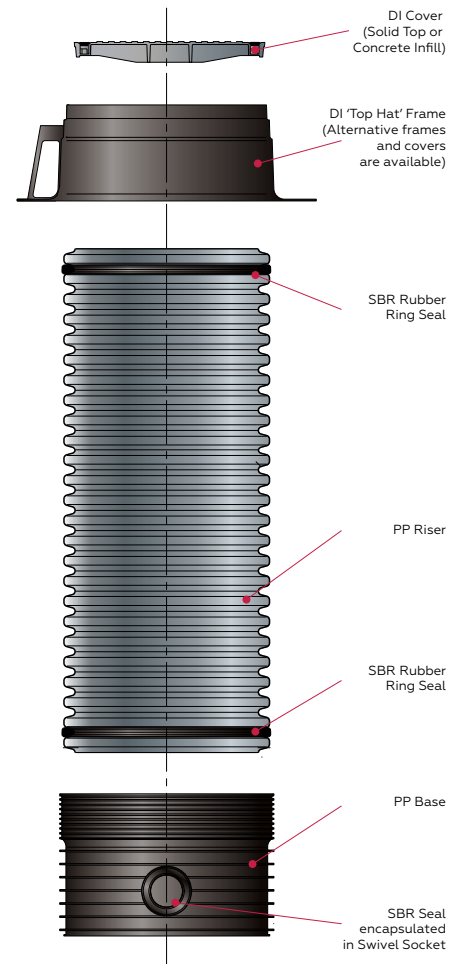


Figure 1: EZiPit® 600 Maintenance Chamber assembly.



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EZiPIT® 600 SEWER MAINTENANCE CHAMBER (MC) WITH DIFFERENT COVER OPTIONS

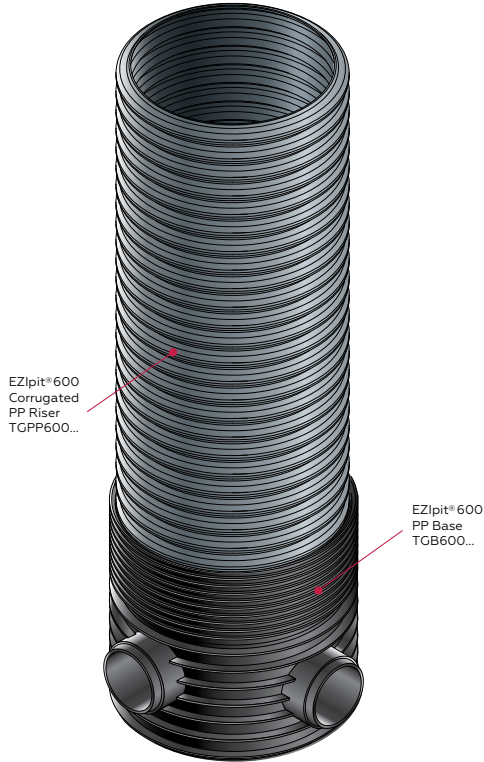


Figure 2: EZiPit® 600 Base & Riser assembly.

OPTION 1:
EZiPit® 600 MC with 'Top Hat' cover arrangement Class B

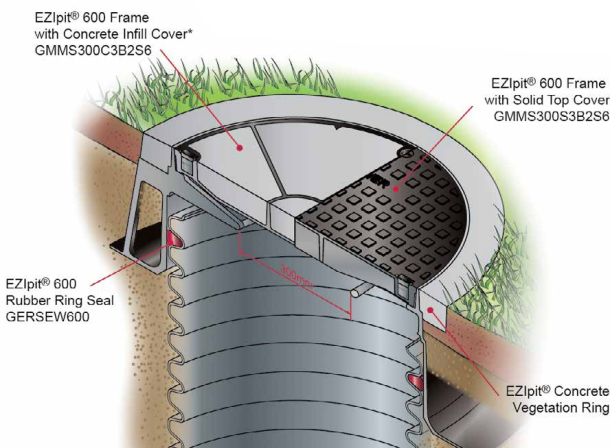


Figure 3: EZiPit® 600 Class B 'Top Hat' cover arrangement, assembled with riser.

*Top Hat' concrete infill covers to be filled with concrete insitu.

Note: All images are of a general nature only and not to scale. If critical, contact Iplex Pipelines.

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OPTION 2:
EZiPit® 600 MC with 'Top Hat' cover arrangement Class D

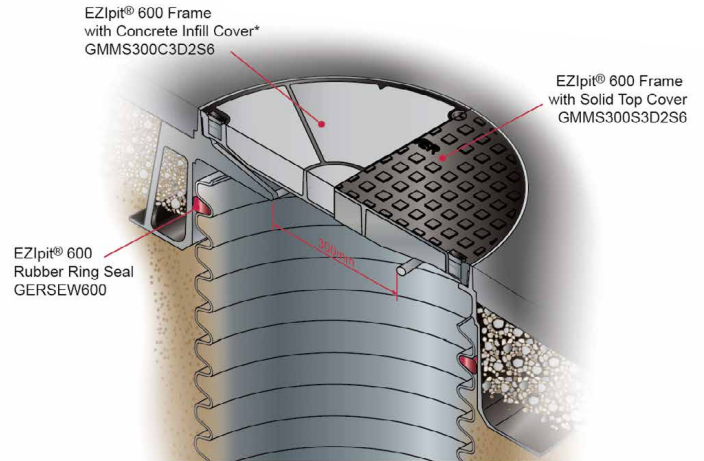


Figure 4: EZiPit® 600 Class D 'Top Hat' cover arrangement, assembled with riser.

OPTION 3:
EZiPit® 600 MC with GATIC® 600 concrete encased cover arrangement Class B

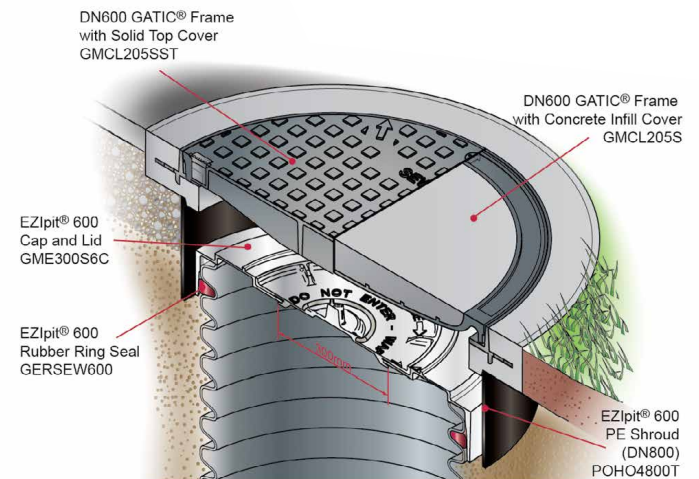


Figure 5: EZiPit® 600 Class B Concrete encased cover arrangement (Sloped surfaces).



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EZIPIT® 600 SEWER MAINTENANCE CHAMBER (MC) WITH DIFFERENT COVER OPTIONS

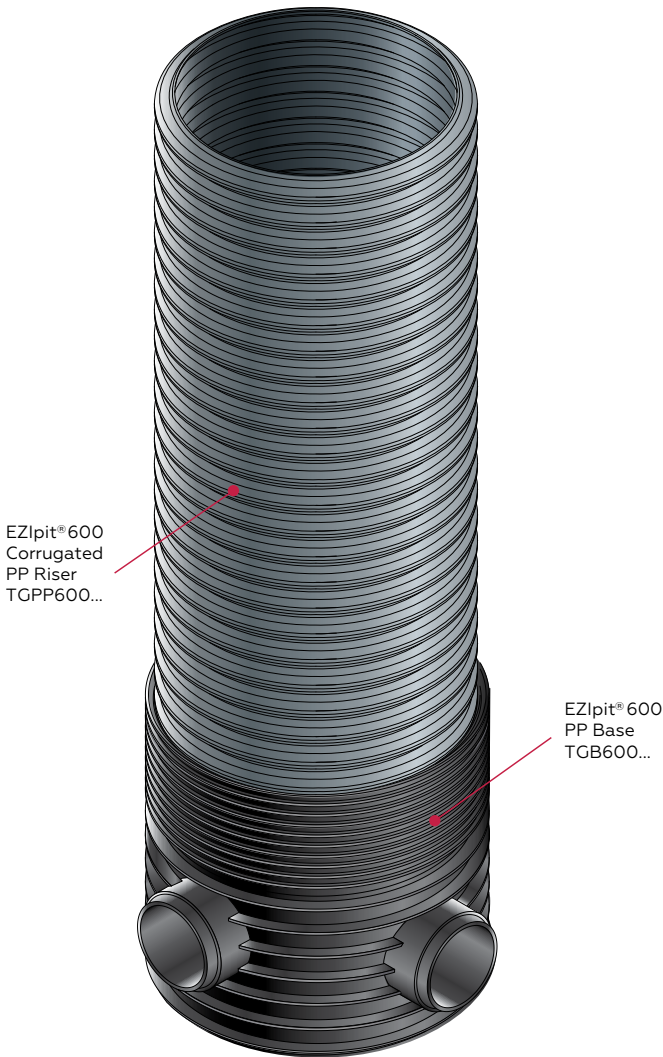


Figure 6: EZIpit® 600 Base & Riser assembly.

OPTION 4:

EZIpit® 600 MC with Conventional cover arrangement Class B

Redgum, Concrete or Recycled Plastic Bearers 75x75mm (min.)

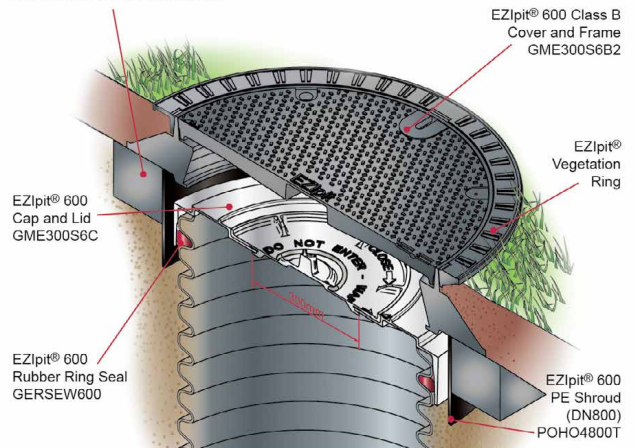


Figure 7: EZIpit® 600 Class B Conventional cover arrangement, assembled with riser.

OPTION 5:

EZIpit® 600 MC with Conventional cover arrangement Class D

EZIpit® Precast Concrete Support Ring GMTG300CR

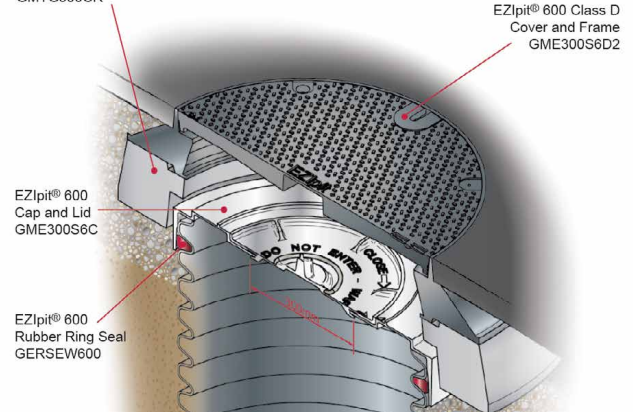


Figure 8: EZIpit® 600 Class D Conventional cover arrangement, assembled with riser

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EZIPIT®

PIPELINE DESIGN

EZIPIT® 600 SEWER MAINTENANCE CHAMBER (MC) - LATERAL CONNECTIONS FOR INCOMING SEWERS

Gravity sewerage systems are designed to carry sewage and wastewater from toilets, dishwashers, kitchen sinks, washing machines and showers in houses and businesses.

There are two options when designing lateral connections for incoming sewers with the EZIpit® 600 MC.

The first option is via the EZIpit® 600 Base. The '4 way' x 90° sweep flow profile allows up to two side connections with PVC DWV smooth wall pipes. Pipes can be directly connected with the swivel joint (RRJ).

The second option is via the corrugated riser. Property connections are possible using the prefabricated Riser Junction with spigot branch². A Standard PVC DWV RRJ coupling and Level invert tapers (LIT) provides an effective joint with the PP spigot branch.

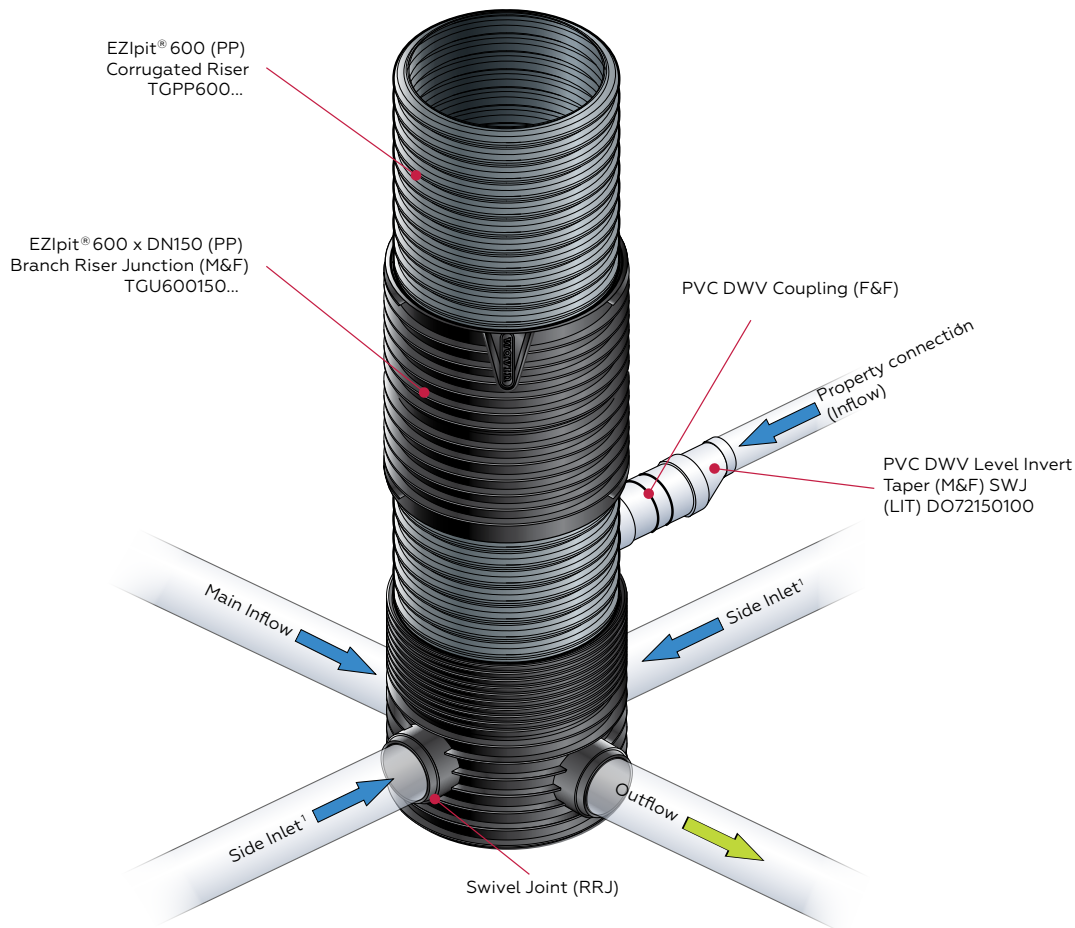


Figure 9: EZIpit® 600 Maintenance Chamber with Inflow assemblies via the base and the riser.

Note: All images are of a general nature only and not to scale. If critical, contact Iplex Pipelines.

¹Inflows (subject to water authority) should match the obvert of the property connection and reducer. For reticulation sewers the reducer and/or bend should match the invert of the sewer.

²The Riser junction is normally supplied with one spigot in-take branch. Multiple spigot branch connections are available on request only.

Contact Iplex Pipelines for further information.

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