

Pipex Offsite Build Underslab Manholes



Our range of offsite build Pipex thermoplastic underslab manhole chambers offers the perfect solution for a variety of applications which include high water table areas, fast track installations, brownfield sites, and chemical effluent drainage.

Manufactured from corrosion resistant polypropylene or high-density polyethylene thermoplastic materials, the manhole chambers are supplied in either rectangular or circular form and can feature branch inlets configured to suit project specific drainage layouts, factory installed optional rebar reinforcement and shuttering, internal bolted hatch box and top cover formworks to interface with the structural floor slab.

Our lightweight manhole chambers are manufactured and tested to BSEN13598-2 Thermoplastic Inspection and Manhole Chambers intended for use in gravity systems up to a maximum depth of 6 meters.

BBA HAPAS Accreditation Testing

- Pipex underslab manholes were successfully tested to meet BS EN 13598-2:2016 standards
- Structural integrity test over 1000 hours at up to -0.6 bar pressure rating
- Durability test of 80°C temperature over 1000 hours
- Impact resistance test
- Water tightness tested to BSEN 1610 with the additional advantage of “no water loss” from chambers

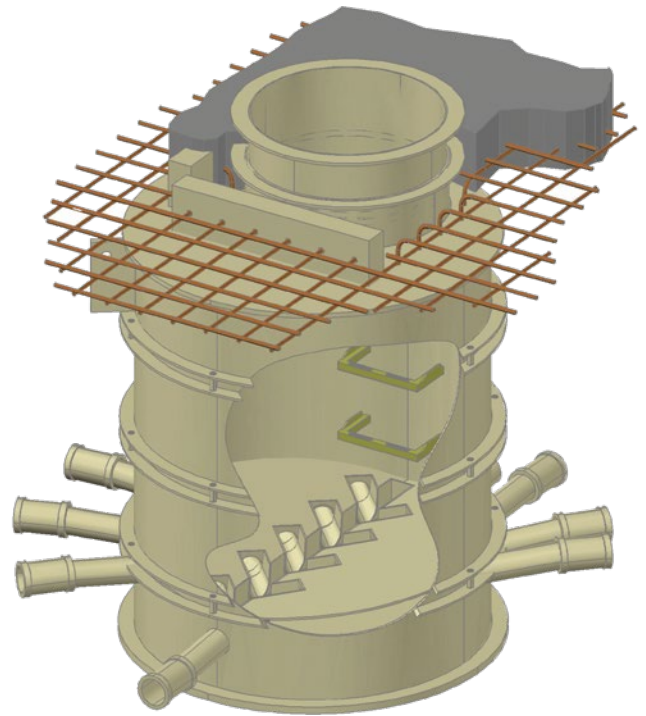
Bespoke manhole design to suit project specific requirements

- Branch inlet connections
- Flat base for locating onto concrete base
- Preformed benching and channels
- Manhole access steps
- Simple installation instructions
- Fully sealed chambers
- Adjustable turret

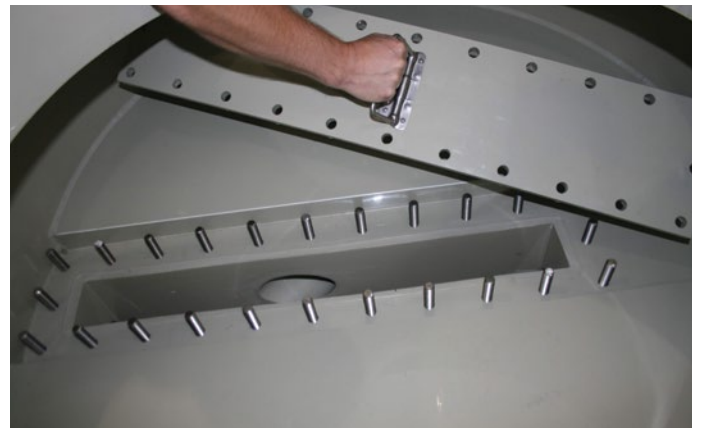
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Key Advantages:

- BBA HAPAS approved to 3Mø x 6M depth, BS EN 13598, as standard
- Bespoke and standard sizes factory manufactured offsite, for fast track installation
- Does not require concrete base or surround
- 60 years design life
- Smooth Internal bores prevent the build-up of FOG (fats, oils and greases), suitable for pressure jetting and sealed against odors
- Adjustable turret and watertight seal available for perfect interface with structural slabs
- Highly corrosion resistant
- Suitable for mass poured concrete slabs and suspended drainage systems
- Direct improved alternative to concrete, brick and plastic
- Lightweight properties enabling fast track site installation
- Thermoplastic benching and channels improve hydraulic performance ref: BSEN752 NA.12.4.6.2



Smooth bore internals



Sealed access box



Manholes within raft slab



Access turrets are adjustable to suit onsite cover level