



Pipex Offsite Build External Manholes

Our range of offsite build Pipex thermoplastic external 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 can be supplied in either rectangular or circular forms 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 BSEN13598-2 Thermoplastic Inspection and Manhole Chambers intended for use in gravity drainage systems up to a maximum depth of 6 meters.

BBA HAPAS Accreditation Testing

- Pipex 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 chamber

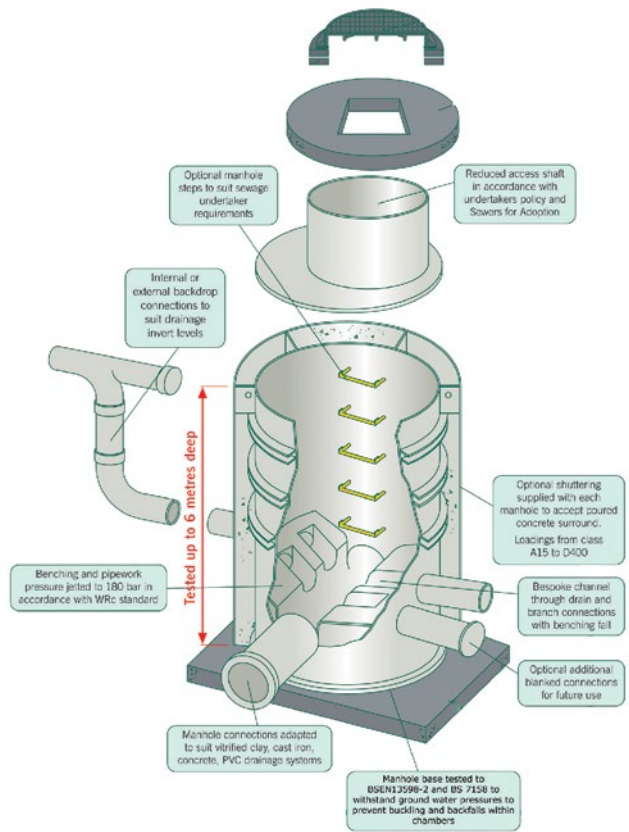
Bespoke manhole design to suit project specific requirements

- Branch inlet connections
- Shuttering
- Flat base for locating onto concrete base
- Preformed benching and channels
- Manhole access steps
- Stainless steel or FRP ladder
- Simple installation instructions
- Adjustable turret
- Safety chain (Client specific)
- Additional blanked connections for future use

Offsite Build Underslab Manholes

Key Advantages:

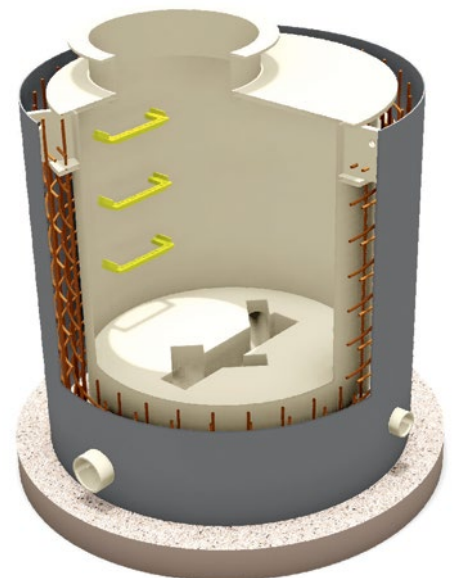
- BBA HAPAS approved to 3Mø x 6M depth, BS EN 13598, as standard
- Bespoke and standard sizes factory manufactured offsite, for fast track installation
- Does not require concrete base or surround
- BBA Certified for durability in excess of 60 years
- Smooth Internal bores prevent the build-up of FOG (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
- Fully sealed chambers



Polypropylene external manhole prior to site installation



HDPE manhole installation supplied with optional shuttering to accept concrete poured surround.



3D model built by our in-house CAD team