

Pipex Chemsafe Trade Effluent Waste Containment

Our Pipex Thermoplastic Chemsafe™ trade effluent waste system is available in single and dual contained for the safe transmission of chemical/corrosive chemical waste effluent associated with industrial and pharmaceutical applications.

We can manufacture in a range of thermoplastic materials to suit the application in either Homopolymer Polypropylene PP-H, PE100, C-PVC and PVDF.

We can provide assistance with respect to selection of the suitable material in contact with the trade effluent waste.

Manholes, holding tanks, pumping stations, floor drains and channels are available for the complete below ground effluent waste system from one supplier.

Site training or full installation packages are available from our site operations.

ISO 9001, ISO 14001 & ISO 45001

Typical application areas:

- Below ground drainage
- Trade effluent waste
- Chemical
- Pharmaceutical
- Food and drink processing

Key Advantages:

- Complete below ground packaged drainage system
- Heavy wall pipe for buried pipe systems
- Smooth internal bores no internal beads avoid build up of fats, oils and grease
- Swept drainage fittings for directional drainage flows
- Where required system can be prefabricated limiting site joints
- Can be pressure jetting to WRc standards
- Suitable for chemical dosing and cleaning operations.

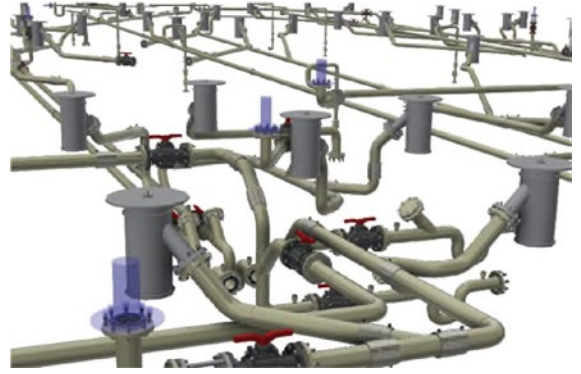
Chemsafe Trade Effluent Waste Containment

Detailed Design, Manufacture, Supply & Installation

We provide detailed designed models in 3D formats for importing into the overall Project Model.

Complex pipework systems can be supplied either as pipe and fittings or itemized as prefabricated spools to minimize site jointing.

Chemical analysis is provided to select the appropriate thermoplastic chemical resistant pipework system for the application.



Chemsafe Dual Contained

Our Chemsafe Dual Contained systems are available for high security effluent pipework systems containing pathogens or highly corrosive chemicals where additional containment protection is required.

For further information for our Dual Contained systems see our specific literature or email your enquiry to fgssales@nov.com.



Chemsafe Pipework

Our Chemsafe Pipework systems are manufactured from heavy gauge pressure rated pipework suitable for casting into raft slabs.

The system supplied as prefabricated itemized spools to minimize site joints. Fittings are swept in the direction of flow, all internal beads are removed to provide smooth bore. Floor drains, rodding eyes and drainage channels are available.

The system is jointed using welded electro-fusion sockets, we can attend site to install the system or provide site training.



Chemsafe Trade Effluent Waste Containment

Chemsafe Effluent Manholes

Our Chemsafe Manholes and inspections chambers are manufactured from corrosion resistant thermoplastic material to suit the application.

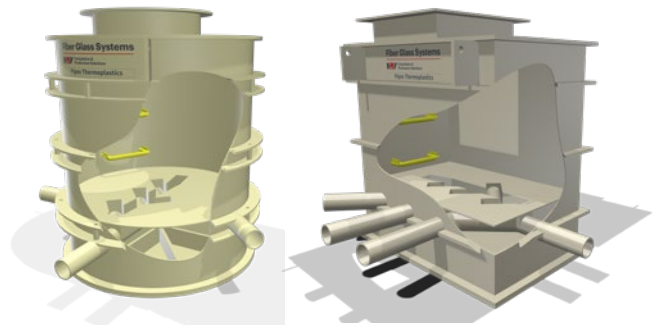
Diameters from 450 dia to 3m and up to 6m in depth. Branch inlets are configured to suit the project specific drainage design. The manholes are delivered as factory tested units ready for installation.



Access openings can be either rectangular or circular to suit any specified manhole cover system.

Manhole steps encapsulated in polypropylene are factory fitted as tested in accordance with BSEN13101:2002.

Our Manholes can be supplied with open channel swept in the direction of flow or bolted hatch boxes to provide a sealed accessible system.



Where required bolted hatch boxes are installed to provide a seal drainage system with chemical gaskets and encapsulated stainless steel stud bolts.

This method provides a safe sealed airtight drainage system avoiding surcharge of gaseous air and hazardous chemicals into the manhole chamber.



Our Fiber Glass Systems Thermoplastic Manholes are manufactured to BSEN13598-2.

The manufacturing process and product durability has been tested by the BBA which is detailed on the certificate No's. 12/H186 for Circular & Rectangular Manholes.

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Chemsafe Holding Tanks

Our Chemsafe Holding Tanks are manufactured for below and above ground applications.

Capacity and dimensions are to suit the project specific requirements.

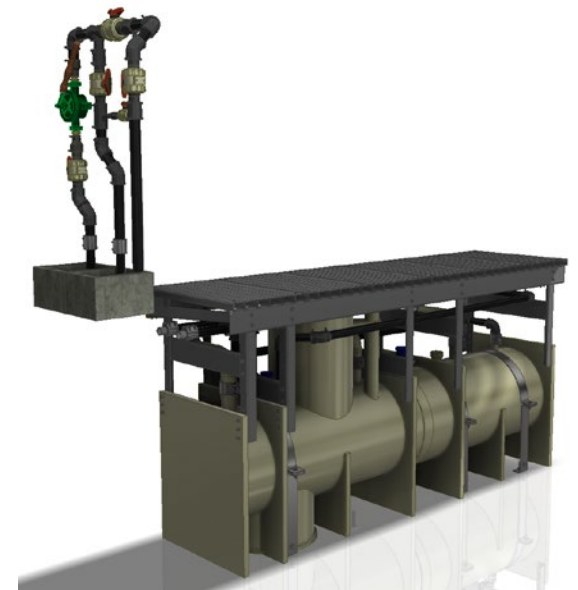
From chemical data we will determine the material required for the application.

Internal resin finishes can be applied for elevated temperatures or to resist specific chemical concentrations.

Instrumentation, controls, valves, and pipework can be included to provide a packaged solution with site installation supplied by FGS.

We can provide 3D Models for the project specific holding tank and associated interconnecting pipework. Access platforms and walkways can be factory fitted to tanks manufactured in Fibre Reinforced Polyethylene (FRP) as an alternative to metallic systems.

Where required holding tanks can be supplied in sections for site assembly and welding by our site installation team.



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Chemsafe Pumping Stations

Our Chemsafe Packaged Pumping Stations are manufactured for the safe containment and transfer of chemical effluent waste.

Capacity and dimensions are to suit the project specific requirements.

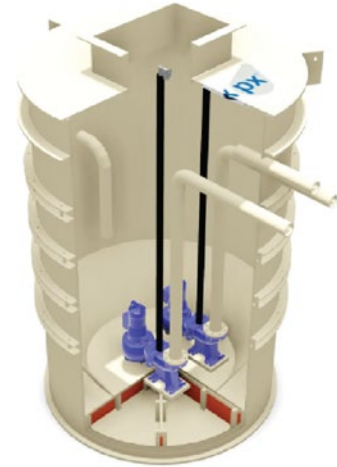
We can assist pump selection to suit pump duty and operating temperatures and chemical concentrations.

Level instrumentation is provided to suit the type of effluent with respect to foaming and or corrosive mediums in contact with controls within the tank.

From chemical data we will determine the material required for the application.

Internal resin finishes can be applied for elevated temperatures or to resist specific chemical concentrations.

We can provide project specific drawings and specifications to suit the application.



Chemsafe Drainage Channels

Our Chemsafe Drainage Channels are supplied as prefabricated itemized units to suit the project design. Built in falls direct the flows to predetermined outlets.

We detail the drainage channels to suit the design invert levels, widths and depths are to suit the project requirements from 150mm wide to 500mm wide to suit the application.

Gratings are available to suit the loading required from light duty pedestrian to forklift wheel loads.

Gratings can be supplied as stainless steel or Fibre Reinforced Polyester (FRP).

