

<b>Pipex Product Group:</b> A. PIPEX CHEMSAFE® Industrial Pipe Systems
<b>Pipex Product Type:</b> 2. PIPEX CHEMSAFE® Above-Ground
<b>Pipex Specification:</b> PX-CHEMSAFE® -A.2

Pipex CHEMSAFE® Above-Ground Laboratory Waste Pipe Systems

Pipex CHEMSAFE® Above Ground Pipe Systems are industry standard for the safe transmission & containment of chemicals, trade effluent wastes (TEW) and laboratory wastes including corrosive and non-corrosive fluids.

Laboratory push fit Pipe and fitting packages are available for a large range of industrial applications and available in a range of thermoplastic materials to provide the necessary temperature and corrosion resistant properties. Pipe sizes range from 20mm diameter through to 110mm diameter; please refer to Pipex CAD details for the complete range sizes.

Bespoke laboratory systems feature push fit connections to significantly reduce site installation time.

Chemically resistant, bio-secure pipe packages improve flow characteristics due its smooth internal bore. Faster flow velocities allow for shallower gradients whilst maintaining self cleansing properties.

Pipe Detail Drawings

CAD detail drawings based on the consultants' drainage design will be submitted by Pipex for approval by the client. Drawings details will indicate Pipe out side diameter, nominal bore, fall and the itemised prefabricated units.

Thermoplastic Materials of Construction

Laboratory pipework packages are manufactured from a range of thermoplastics to provide the necessary temperature and chemical resistant properties, including:

Homopolymer Polypropylene Din 8077 & 8078  
HDPE Din 8075 & 8074  
PVDF ISO 10931

Please contact Pipex for project specific design information.

Methods of Construction

Laboratory waste pipe systems feature push fit connections to reduce labour and site installation time.

Where thermoplastic welding is required, it is performed in accordance with BSEN 13067 – Plastic Welding Personnel, under the Certification Scheme for Welding and Inspection Personnel (CSWIP). Approved by the Thermal Welders Institute (TWI).

British Standard Specification

Dimensions to be BS4991:1978 - Din 8077 & 8078 Part 1. Materials to BS4991:1974 Series 2.

Testing

Prefabricated units are to be tested at the works place of prefabrication and associated test certificates issued. Testing of stacks and branch waste pipework to be in accordance with air testing procedures.

Laboratory waste systems to be tested in accordance with manufactures recommendations a method statement shall be submitted for approval prior to testing.

Site Jointing

If required Pipex can supply site operatives to install the pipe work system. Jointing methods include push fit 'O' ring, socket fusion and electro fusion.

Installation

The system is supplied to site as itemised prefabricated spools. Where required a detailed drawing of the pipe work arranged will be issued, locating the position of the itemised spools.

Please refer to the Pipex work instruction WP30 for below ground installation and WP21 for above ground installation.

Operation and Maintenance

Due to the nature of the thermoplastic construction materials the pipe and fittings will resist the build up of Fats, Oils and Greases (FOG). If rodding is required use polypropylene rods.

If alterations to the pipe work system are required Pipex will be contacted to discuss the procedure.

Product Options Available:

Single and Dual Contained Chemical Drainage Piping Systems

For the transmission of corrosive and non-corrosive fluids as well as venting and drainage applications, contact Pipex for further information.

Chemical Pressure Piping Systems

Available up to and including 800mm diameter, specialist manufacturing methods provide a higher working pressure for the pipe work system. Contact Pipex for further information.

For Technical Assistance please contact:

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