

Pipework for Forecourts



...with an increasing product portfolio, dedicated to the Fuel Industry, Durapipe PLX continues to shine through innovation within this market sector.

Specialist pipework systems for forecourts

Durapipe UK is the world leader in the development and manufacture of thermoplastic pipe systems. Our large product portfolio, manufactured to the highest standards, allows us to supply widely into a variety of different markets and applications around the world.

Durapipe PLX is an above and below ground product range created to fulfil the application needs of the forecourt market. Consisting of both, a single wall and a secondary contained pipe and fittings range, PLX is specifically designed for the safe transfer of all fuel-based liquids and their vapours. Durapipe PLX has a track record of proven performance and product innovations since 1993.

Car, van, lorry and bus drivers need fuel to be easily accessible, making the forecourt a necessity of daily life. PLX ensures that fuel is transferred safely from tanks to the pumps for commercial access.

Market Applications

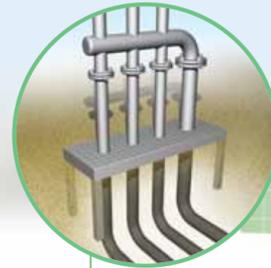
- Pressure Systems
- Suction Systems
- Offset Fill
- Vents
- Stage 1 & 2 vapour recovery
- Tank Chamber connection
- Sump & Pump connection

Features & Benefits

Durapipe PLX is an above and below ground secondary contained pipework system specifically designed for the safe transfer of all liquid fuels.

- Single Wall and Secondary Contained
- Safe and Durable (30 Year Design Life)
- High Performance
- Corrosion Resistance
- Maintenance Free
- Resists Permeation
- Quick, Clean & Easy Electrofusion Joining and Installation
- Dedicated range of fittings
- UV Resistant
- Full range of accessories and jointing tools
- Allows for Interstitial Monitoring & Leak Detection

.....all backed-up by Durapipe UK's unrivalled technical support.



Vents

PLX pipe and fittings safely transfer the vapour, from the pumps to the Underground Storage Tanks (UST'S), with no permeation into the atmosphere. Used for both stage one and stage two vapour recovery PLX is your safe, environmentally friendly choice for installation. Fully operational vents and vapour recovery systems ensure the UST's and associated pipework is pressure balanced and that air and fuel vapour are safely conveyed or recovered. The larger bore of PLX fill and vent systems will assist air/vapour flow and the condensed vapour return to it's respective UST.



Offset Fill Area

In order to dramatically reduce tank filling time and to save costs and downtime for the forecourt, the larger bore of polyamide lined PLX fill and vent pipe improves flow and reduces UST fill time. With minimal available gravity head, frictional losses must be considered. Even though operating under gravity head, fill pipe should be considered as a pressure system and installed using PLX Secondary Containment systems.

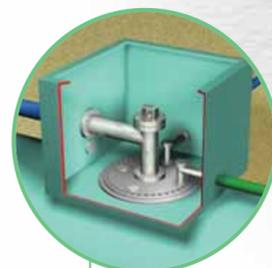
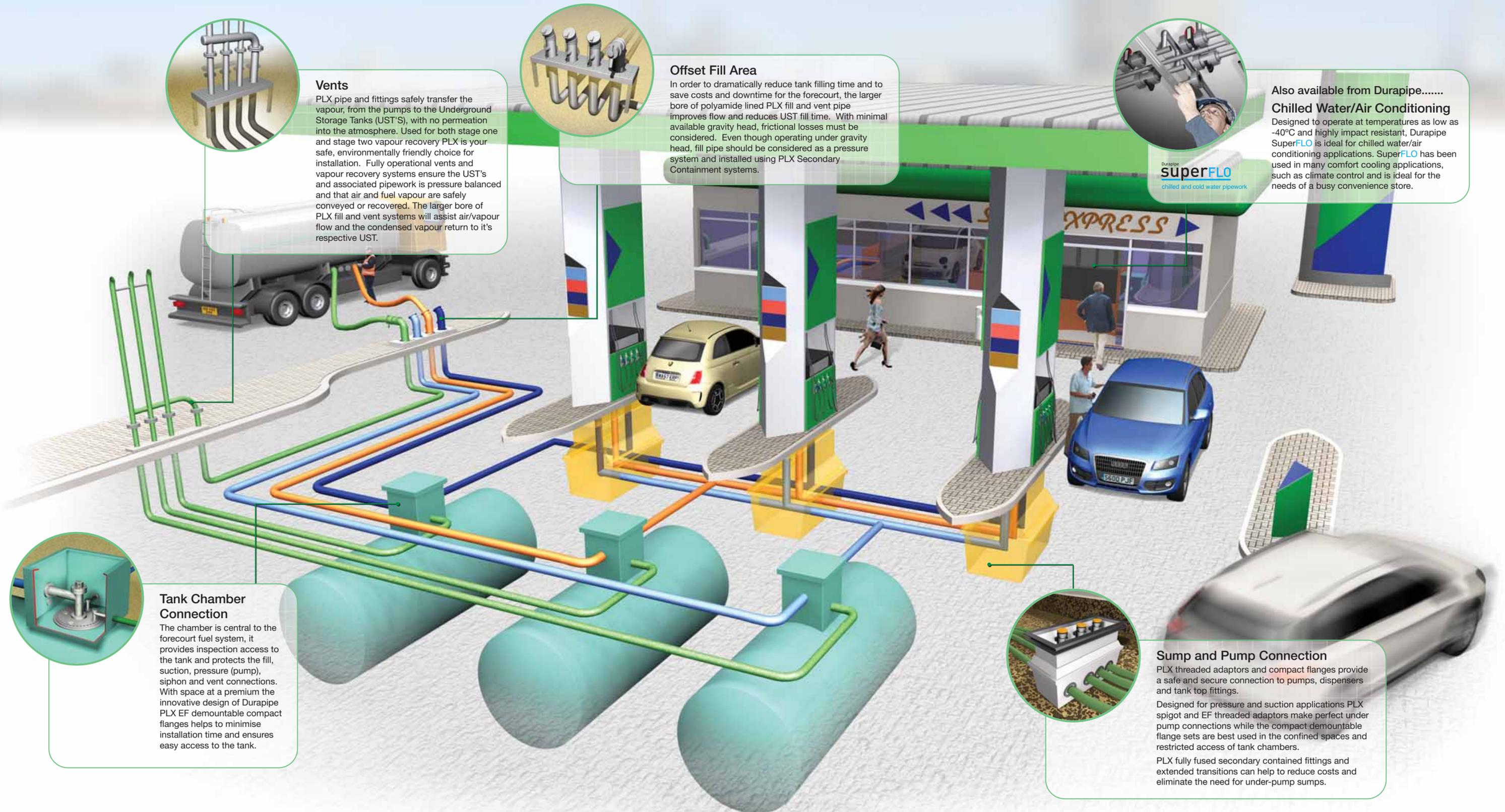


Also available from Durapipe.....

Chilled Water/Air Conditioning

Designed to operate at temperatures as low as -40°C and highly impact resistant, Durapipe SuperFLO is ideal for chilled water/air conditioning applications. SuperFLO has been used in many comfort cooling applications, such as climate control and is ideal for the needs of a busy convenience store.

Durapipe
superFLO
chilled and cold water pipework



Tank Chamber Connection

The chamber is central to the forecourt fuel system, it provides inspection access to the tank and protects the fill, suction, pressure (pump), siphon and vent connections. With space at a premium the innovative design of Durapipe PLX EF demountable compact flanges helps to minimise installation time and ensures easy access to the tank.



Sump and Pump Connection

PLX threaded adaptors and compact flanges provide a safe and secure connection to pumps, dispensers and tank top fittings.

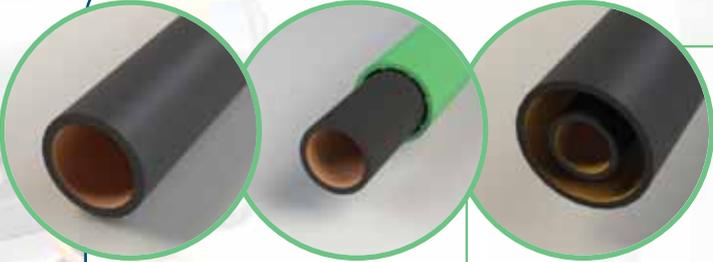
Designed for pressure and suction applications PLX spigot and EF threaded adaptors make perfect under pump connections while the compact demountable flange sets are best used in the confined spaces and restricted access of tank chambers.

PLX fully fused secondary contained fittings and extended transitions can help to reduce costs and eliminate the need for under-pump sumps.



Plastic pipework solutions... high performance for life

The Durapipe PLX range comprises of three systems, **Single Wall, Secondary Contained Close-Fit and Pipe-In-Pipe.**



PLX Pipe

Single Wall:- Used for below ground suction systems and available in straight lengths or coils.

PLX Close-Fit:- Used for below ground sections of the system and available in straight lengths or coils.

PLX Pipe-in-Pipe:- Used for above ground fuel transfer applications.

Both pipes are co-extruded with a polyamide liner using the latest extrusion technology, resulting in consistent and technically superior performance.

Size range from 32mm – 160mm



PLX Transition Fittings

PLX Transition fittings ensure the safe and continuous flow of fuel when connecting to and from pumps, tanks and other metal threaded and flanged connections. Arel tested, each transition fitting has been innovatively designed and manufactured using the highest quality PE and a wide range of metals. With the process of installation in mind; each fitting is developed to save time and costs during the installation process.

Size range 32mm – 160mm



PLX Electrofusion and spigot fittings

The PLX system contains a wide range of single wall and secondary containment fittings-couplers, elbows, tee's and closures. All secondary containment fittings enable interstitial monitoring and leak detection of the complete system. All PLX electrofusion fittings are manufactured with the highest manufacturing precision with precisely positioned electrical heated coils ensuring optimum melt pressure during installation.

Size range 32mm – 160mm

Standards and Approvals

Durapipe high performance plastic pipework systems are lightweight and easy to install whilst having excellent corrosion and limescale resistance properties

Durapipe UK products are manufactured to the highest level and meet with the requirements of many international standards and approvals.

Furthermore, our products are manufactured in an environment that complies with the requirements of ISO 9001 and ISO 14001.

For further information on which of our products conform to the various standards approvals shown below, please contact our technical support team on 01543 272445.



Certificate no. FM34819

Durapipe UK

This document does not contain technical information.
For full technical specification along with advice on jointing procedures,
please contact our technical support team on 01543 272445

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The content of this publication is for general information only and it is the user's responsibility to determine the suitability of any
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For further information on all Durapipe products and services contact our Customer Services Team as detailed below.

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