

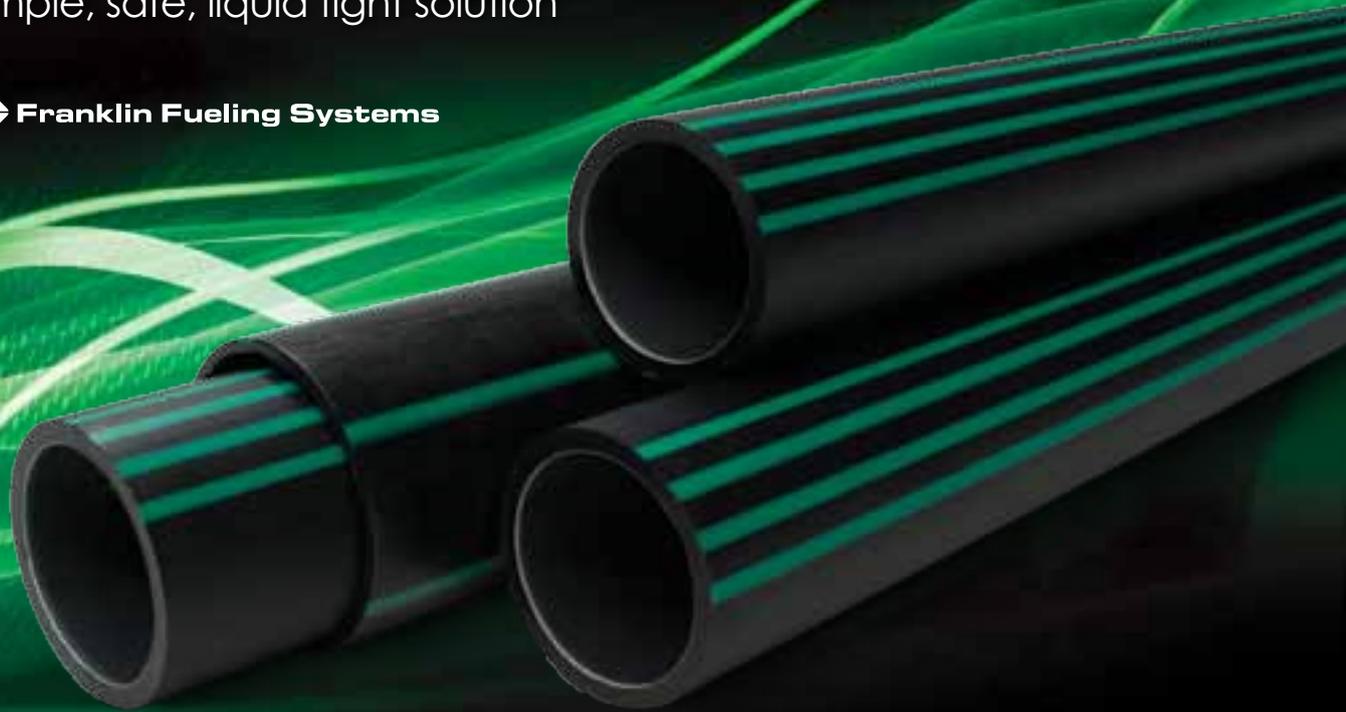


Semi-Rigid Pipework System

Simple, safe, liquid tight solution



Franklin Fueling Systems



A True Liquid Tight Solution

Since being introduced as the world's first electrofusion pipework system for fuel applications over thirty years ago, UPP semi-rigid pipework has become known globally as the standard for liquid tight pipework systems. Synonymous with words like "safe", "efficient" and "simple" throughout petroleum equipment installer circles, UPP pipework utilises the advanced electrofusion welding process to effectively bond system components together into one, leak proof system.

Efficient Installation. Zero Leak Paths.
Proven Technology for an Advanced Market.



Simple Installation

The UPP electrofusion welding process is safe and simple to complete in any climate and virtually any weather condition. An installer simply prepares the components, fits them together attaching welder leads to the fitting, and then presses a single button on the welding unit to initiate the process. The welder unit itself calculates the exact settings required to complete the weld, regardless of the pipework diameter or temperature, leaving no settings for the installer to input.

After this simple installation process, the security and integrity of a liquid tight installation will remain for the lifetime of the site and provide unmatched resistance to ground movement.

1

Cut



2

Scrape



3

Clean



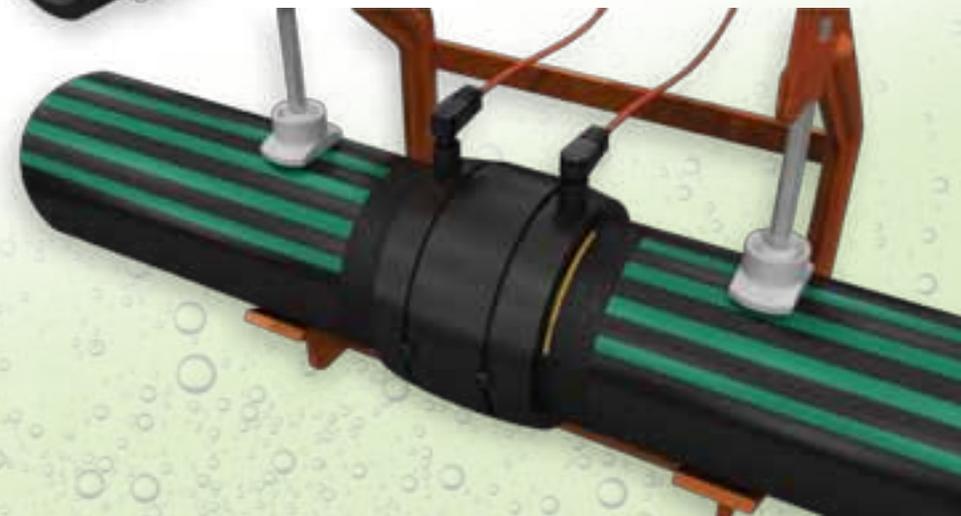
4

Mark



5

Weld



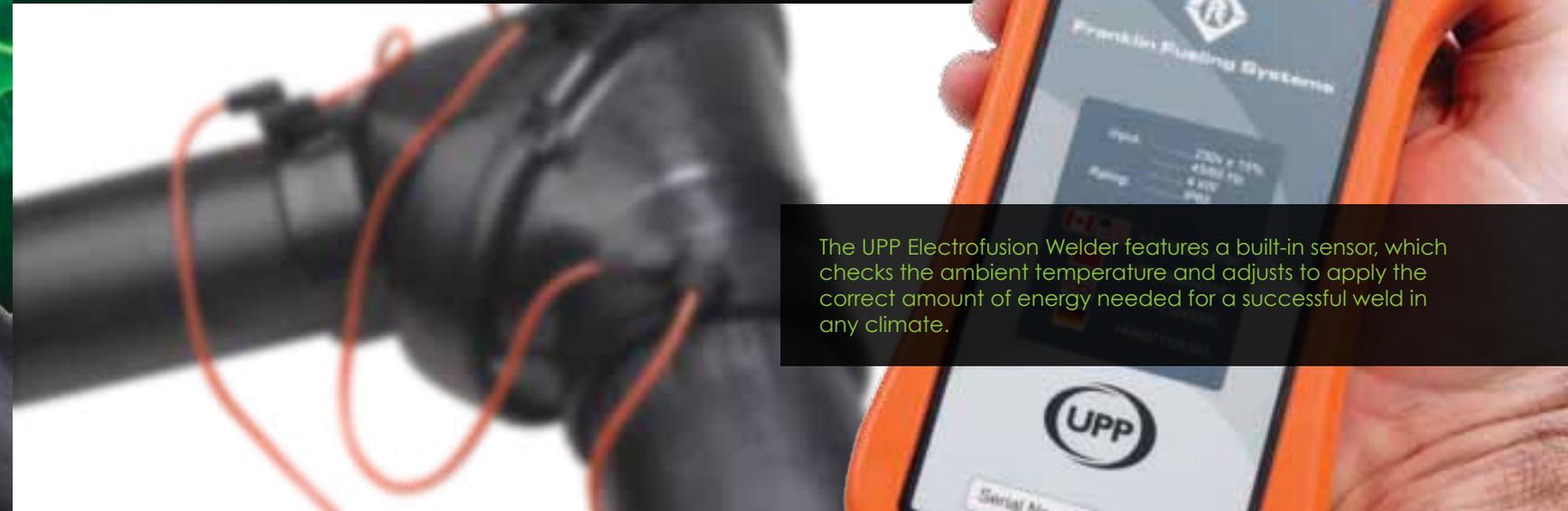


Electrofusion Welding

At the heart of the UPP pipework system is the highly efficient electrofusion welding process that connects pipe, fittings, seals and containment to create a seamless direct burial pipework system. The welding process uses the lightweight, portable UPP electrofusion welder unit to form the strongest of assemblies, which is easily and quickly carried out - even in confined spaces.

Hand-Held Welder

The UPP Electrofusion Welder is compatible with all UPP fittings and products and has been used on thousands of installation sites around the world. The rugged water and dust proof welder features a state-of-the-art graphical display that illustrates the progress of the electrofusion process and provides visual indication of a completed weld.



The UPP Electrofusion Welder features a built-in sensor, which checks the ambient temperature and adjusts to apply the correct amount of energy needed for a successful weld in any climate.

Safety Above All Else

With installations in over 150 countries to its credit, the UPP pipework system boasts a sterling safety record. Thousands of trouble-free existing installations around the world, some of which more than 30 years old, speak to the reliability of this non-conductive pipework system. The proven track record of performing effectively in some of the world's harshest conditions speaks for itself.



The Strength of EVOH

UPP pipe features an innovative clear inner lining made of natural EVOH resin to provide maximum pipe strength and superior vapour permeation and hydrocarbon barrier qualities. UPP pipe is the first to receive an exception Class T1 temperature rating with its EN14125 approval, a true testament to its strength.

PE100 High Density Polyethylene outer layer

Tie layer

Natural, un-pigmented EVOH barrier layer



Achieving the rare Class T1 temperature rating gives you peace of mind in knowing that UPP pipe will stand up to the harshest forecourt conditions while providing unparalleled protection. UPP pipe is rated for temperatures ranging from -40 °C to 50 °C.

Electrofusion Termination Fittings

The end of a piping run can be fitted with a wide variety of termination fittings to accommodate any application. UPP termination fittings feature an overmolded design which permanently bonds the metal threads of the fitting to an HDPE pipe segment. This allows the same electrofusion process to create a liquid tight bond between the pipework and metal termination fitting.



Quick release termination fittings provide a quick and easy, leak-proof connection between the pipework and flex connector.

Electrofusion Entry Seals

As a vital component to the UPP pipework system, patented UPP electrofusion entry seals weld directly to the wall of any polyethylene sump creating a liquid tight seal between the pipework system and containment spaces. They are specifically designed to reduce the number of fittings and eliminate bolt holes, rubber seals, band clamps and any potential leak paths.

UPP electrofusion entry seals actually reinforce sump walls, making them even more stable. Fibreglass entry seal options are also available to accommodate fibreglass sump entry.





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