

CASE STUDY:

Wholesaler Petrol Station, Manchester, UK

Custom 10m KPS Piping Reduces Cost and Build Time for New Build Wholesaler's Petrol Stations

OPW enabled a faster more efficient pipe installation, reducing the number of welds required, and simplifying those that were. Custom KPS 10m piping lengths were produced to suit the configuration and specification of the site. The wholesaler is now rolling out KPS piping and OPW shear valves as standard across all sites.



Client had a distance of 10m between pump islands.



All integrated double wall KPS fittings weld both pipe walls simultaneously.

Key Requirements

- Fast, easy and efficient installation.
- A custom solution to save on installation cost.
- Conductive piping (to prevent electrostatic build up).
- Locally held stock for quick future requirements.



10m lengths of custom 75/63mm KPS straight pipe allowed fast installation without the need for a welding socket in middle.



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KPS formed bends below fill point.



KPS bends below fill point.



KPS pipe is also available in coils.

The KPS Solution

- At the installer's request, OPW manufactured and supplied 10m lengths of 75/63mm KPS piping to run between the dispensers instead of the standard 5.8m lengths, allowing a faster more efficient installation (KPS pipe is also available in coils).
- Where connections are required, compact KPS fittings weld both walls of a double wall pipe simultaneously, again reducing installation time. Conductive double wall piping ensures safety in the eventuality of sparks or leaks.
- OPW 10 series emergency shut-off valves were installed on fuel supply lines beneath dispensers at grade level to minimize hazards associated with collision or fire at the dispenser. If the dispenser is pulled over or dislodged by collision, the top of the valve breaks off at the integral shear groove, activating poppets and shutting off the flow of fuel.