UGA052

Multi Utility Large Diameter Fusion Jointing above 400mm

Duration	2 days
Target group	Course designed to provide knowledge, understanding and practical skills for water and gas network operatives who install polyethylene pipe systems above 400mm in diameter.
Prerequisites	Learners must have their NCO Main Layer Gas or Water up to 355mm or 315mm respectively as a pre-requisite
Objective	The purpose of this course is to provide suitably qualified main layers with skills in the following areas: • Gas and Water industry requirements for butt fusion of large diameter pipes. • Techniques for cutting large diameter pipes to length, suitable for electrofusion. • Techniques for the correct installation of large diameter electrofusion fittings (socket). • Techniques for the correct installation of large diameter electrofusion fittings (tie in). • Techniques for the correct installation and testing of tapping tees.
Contents	On completion of the course, participants will be assessed to demonstrate their knowledge of the following: To have an understanding of: • The requirements for selection and management of butt fusion equipment and records within a site location, the correct procedures for site-based butt fusion. • The requirements for accurate marking of pipes and techniques for cutting pipes, when such pipes are to be inserted into electrofusion fittings. • The principles of operation of large diameter coupler fittings, and the recommended procedures for installation in either the single socket or tie-in configurations. To be able to demonstrate practical competence in: • The assembly of a large diameter electrofusion coupler fitting to multi-layer pipe. • The manufacture and assessment of a butt fusion joint.
Exam	A mixture of class room lectures with written assessments and practical demonstrations, followed by practical assessments.