

Eliminate down time! Install a connection without stopping flow

The benefits of under pressure drilling

Under Pressure Drilling is employed as a means of providing a branch connection to a live pipe in constant operation, where the consequences of a shutdown would not be practicable. This method uses a short section of pipe, to which an isolating valve is either welded or fitted mechanically. After fitting - and with the valve in the open position - the pipe is drilled to the maximum permissible size through the valve. On completion of the drilling operation the valve is closed, and the drilling equipment removed.

Under pressure drilling offers

- Minimal down time
- Reduces disruptions on mains systems.

A wide range of fittings

With a comprehensive range of optional fittings available, we handle sizes from millimetres to many inches. Also included are specialist fittings such as;

- Corporation cocks
- Ferrules
- Sample points
- Various valves

Safety and reliability

Under pressure drilling is a versatile service, jobs can be completed;

- Without leakage or loss of flow
- Can be used on almost any type of pipe (iron, steel, plastic, concrete)
- Whilst the system is in operation
- Carrying liquids at high temperatures and under pressure

How it works...

showing the general principle of Under Pressure Drilling



General analysis

After the valve is securely fitted, the assembly is pressure tested to confirm its integrity. Once the pressure test has been successfully completed then drilling can commence. The photo shows how the valve is connected to the mechanical tee and a blank flange is fitted onto the valve after drilling for extra assurance.



Firstly secure the clamp around the pipe where the valve is to be fitted



Install the valve to the clamp ready for pressure testing



After pressure testing, the drilling machine is attached to the valve and the pipe drilled

Allied Pipefreezing Services provides free technical support for Under Pressure Drilling work regardless of the size of the job.

Call Allied Pipefreezing Services for a free no obligation quote for your next under pressure drilling

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Allied Pipefreezing Services Limited

Specialist Pipefreezing & Under Pressure Drilling Contractors