SYSTEM 1 BEAM

KEYHOLE WORKING

GAS

ALH Systems has developed a new 'top down working' technique, the System 1 Beam.

This approach is designed to reduces risks to operatives by enabling gas free maintenance without the need to send personnel into the excavation. The system employs a weighted beam to provide controlled downward force, creating a gas tight seal between the valve and the top of the main. This equipment is ideal for use with the Core & Vac technique. Depending on work to be carried out, it only requires a minimum of a single 450mm hole, ranging between 300mm to 2000mm deep.

System 1 Beam equipment being used with Core & Vac for reduced excavation

System Parameters

- Specially adapted drilling machine
- Holes up to 2½" in diameter
- 4" to 48" diameter mains
- Up to 30 psi (2 bar) operating pressure
- Depths of 300mm to 2000mm

Significant Savings

- Operating costs
- CO2 emissions, reinstatement and landfill material
- Traffic congestion and time taken to complete work
- Risk to operator injury and damage to third party plant
- Number of vehicles and processes involved

Applications

- Camera surveys
- Drilling and tapping
- Water extraction
- Mainspraying
- Joint location
- Pressure monitor installation
- Service connections

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