

CASE STUDY

QDM-150D



OVERVIEW

The Company:	Signature Construction Developments
Project:	Residential Plumbing and Heating
Location:	Manchester
Employees:	3
Industry:	Plumbing and Heating
Customers for:	1 year

Diamond Coredrill Machinery Project

Signature Construction Developments have been providing specialist boiler, heating and plumbing services for residential properties across the North West for over 3 years from their offices in Rochdale, Lancashire.

Employing 3 staff, they are proud to have built up a well respected plumbing and heating business in the area, that is provides reliable plumbing and heating services to its customers.

THE CHALLENGE

As a specialist Plumbing and heating company, with 3 Engineers, Signature Construction Developments were contracted to install new Gas Boilers for existing properties in Manchester.

The project involved precision drilling and cutting of double skinned brick walls to accommodate boiler flues externally on 3 ground-floor properties as part of a 1 month renovation.

The planned works were carried out in a residential property, naturally the job needed to comply with strict noise, dust, environmental and health & safety regulations. The deadlines were also very strict in line with the overall project management of the new build.

Signature Construction Developments needed to use Diamond Core Drills to run holes through new double skinned brickwork of various aggregates to accommodate boiler flues at 117mm Diameter using a 150mm length slotted core drill.

The work undertaken had to be clean and due to the tight deadlines needed to be done on time in order to fit with the ongoing project management of the renovation.



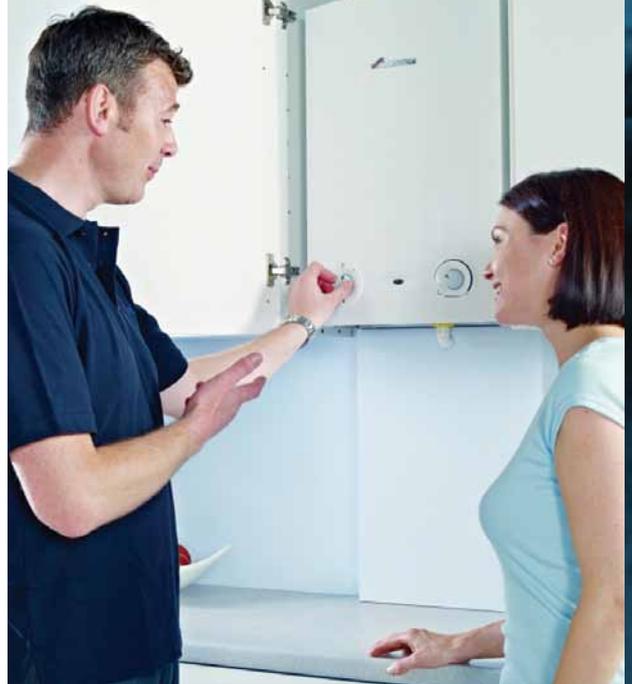
THE SOLUTION

Diamond drilling is a process used by the professional industrial and construction sectors and is widely regarded as the benchmark method for drilling holes. By using a powerful Drill motor with a diamond core drill bit it is possible to drill through most materials including all types of bricks, regardless of the size or aggregate with less vibration, dust and noise.

The use of diamond drill bits makes cutting more accurate, and as a result carried out to a higher standard. Increased accuracy also means a reduced risk of inadvertently causing structural damage, and more accurate drilling means less dust and debris is produced, which can help save both disposal costs and time.

Each QDM-150 is backed by Diaquip's Max Uptime™ Service featuring 2 years warranty on all DQ Machinery and 1 year on all drill rigs with a lifetime ownership guarantee for a next working day replacement loan drill.

Using a Diaquip QDM-150 D Elite Dry Diamond drill motor with Diaquip K50 Coredrill produced very little noise and dust due to the combination of a powerful motor, the slotted barrels and the twisted rooftop design of the K50's segments.



THE RESULT

Signature used 3 Diaquip QDM-150D Elite drill motors, each with the K50 Coredrill. The project was completed ahead of time and within budget. The QDM-150 D is a powerful, well balanced motor. As a result it is suitable for use in difficult situations, such as confined spaces and for using both 150mm and 300mm length core drills at 117mm diameter (300mm coredrills were particularly for drilling through double-skinned walls from the same side in one go - without having to make separate 2 holes (internal and external).). Signature were delighted with the speed, life, performance and results.

“Signature have built a great relationship with Diaquip. Their team are friendly, helpful and responsive. We use the QDM-150D and the Dry Cores because they do a great job, are reliable and better than the other diamond coredrill products on the market.”

Taz Rafiq – Signature Construction Developments Limited.

See the video of DQ
Machinery QDM-150 Elite
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See the Max Uptime™
Video Overview
[Click Here](#)

