DMS METERING SOLUTIONS



CASE STUDY: Gas Metering & Pressure Regulation for a Secondary School Kitchen in Reading

Sector: Local Authority

Location: Reading, Berkshire

Solution Provided: Honeywell Honeywell QA Gas Meters and J48 Gas Pressure Regulators





Honeywell Technologies

Overview

A secondary school in Reading required a reliable gas metering and pressure regulation solution for its commercial kitchen.

School catering facilities can place significant and highly variable demands on a gas supply, particularly during busy preparation and service periods. Accurate metering is important for understanding consumption, while stable pressure regulation helps ensure that downstream catering equipment receives a consistent gas supply.

DMS supplied a Honeywell QA gas meter alongside a Honeywell J48 gas pressure regulator, providing a complete solution for monitoring and controlling the kitchen gas supply.

Project Requirements

- Accurate measurement of gas consumption within the commercial kitchen
- Stable downstream gas pressure for catering equipment
- Equipment suitable for a busy education environment
- Reliable performance during changing levels of gas demand
- A robust solution for long-term commercial operation
- Improved visibility of gas usage for facilities management

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DMS Solution

Gas Metering – Honeywell QA



DMS supplied a **Honeywell QA Gas Meter** to accurately record the volume of gas being consumed by the school kitchen.

Commercial kitchens can experience significant changes in demand throughout the day as ovens, ranges and other gas-fired catering equipment are brought into operation.

Dedicated gas metering allows the school to monitor the kitchen separately from other gas-consuming areas of the site, providing clearer insight into actual catering-related consumption.

This data can support ongoing energy management, help identify unusual changes in usage and provide a more accurate picture of the kitchen's operational demand.

Gas Pressure Regulation – Honeywell J48



Alongside the gas meter, DMS supplied a **Honeywell J48 Gas Pressure Regulator** to control the pressure supplied to the downstream kitchen equipment.

The J48 is designed for low-pressure commercial and industrial gas applications and helps maintain a stable outlet pressure despite variations in upstream pressure or downstream demand.

For a commercial school kitchen, this is particularly important during busy operating periods when several appliances may be running simultaneously.

By combining accurate gas measurement with dependable pressure regulation, the installation provided a complete solution for both monitoring and controlling the kitchen gas supply.

Results

The installation provided the school with:

- Accurate measurement of commercial kitchen gas consumption
- Stable downstream pressure to gas-fired catering equipment
- Improved visibility of kitchen energy usage
- Reliable operation across varying levels of demand
- A robust solution suited to a busy education environment
- Trusted Honeywell gas metering and pressure-control technology

The combined solution gives the school's facilities team greater confidence in both the measurement and control of the kitchen gas supply, while providing useful consumption data for ongoing energy management.

Why DMS?

With over 25 years of experience in gas metering and pressure control, DMS supplies gas regulators, meters and associated equipment for commercial, industrial and public-sector applications throughout the UK and Ireland.

As a **Honeywell Diamond Channel Partner**, DMS provides access to a comprehensive range of Honeywell gas products alongside specialist technical support and product-selection advice.

From individual gas regulators through to meters, valves and complete gas-control solutions, DMS can help specify the correct equipment for virtually any commercial or industrial application.

Discover our Honeywell Gas Meters, J48 Regulators and complete range of Commercial Gas solutions at dmsltd.com or scan the QR code.

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