

# Technical Bulletin

## Installation: Mandatory CO detectors for cascade flues

### REASONS

Bosch has taken the decision to require the mandatory use of CO detection for boiler systems using cascade flue systems where there is more than one appliance. This will affect the Condens 7000 WP, 7000 F/FP, GB402 and Condens 8000 F range of boilers.

With the availability of CO detectors incorporating boiler shut down, Bosch considers this now to be **state of the art** and has therefore taken the decision to make it a requirement for cascade flue systems, which naturally have a higher level of risk than a single boiler. This has been added to the flue system guidance documents, making it a requirement for the installation for cascade flue system going forward.

This will affect all new installations only and is not a retrospective requirement.

### PRODUCT INTRODUCTION

With the introduction of the 7000 WP boilers, all Bosch cascade flue base kits contain a CO detector for on site wiring. A separate CO detector accessory for use with third party flue systems will follow shortly.



### INSTALLATION

Follow the supplied instructions for the CO detector and choose a suitable location. The CO detector boiler shut down should be wired to the 8313 or MC400 cascade controller as described in the instructions.

### COMMISSIONING

During commissioning of the boiler equipment, the Bosch commissioning engineer will inspect the CO detector to confirm that it is installed correctly and that the necessary boiler interlock is in place. Systems incorporating a Bosch cascade flue header that were supplied complete with a CO detector will be expected to have the CO detector connected.

**Avoid failed commissioning visits by following the instructions to install the CO detector and boiler shut down**

Boiler systems with cascade flues where a **BMS (Building Management System)** has CO detection in place will be acceptable provided the CO detection activates a boiler shut down. The detection threshold level should be no higher than 50ppm.

For cascades incorporating **third party flue systems** where CO detection equipment has not been supplied by Bosch, the commissioning engineer will inform in writing that CO detection with boiler shut down should be installed. However, until 1<sup>st</sup> November 2022, the commissioning engineer will not fail the commissioning, to allow this work to be subsequently completed.

### EXPLANATION

Through this action the general level of safety against CO incidents in boiler rooms will be greatly improved. This will give peace of mind to consumers and give improved protection for installers.

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