

Xgard Duct Mounting Kit Assembly Instructions

These instructions refer to Crowcon product part number: S011918

The Duct Mounting Kit is designed to be used with Crowcon's Xgard range of gas detectors for monitoring potentially hazardous gases within ventilation ducts. The duct kit is designed for direct fitment to the duct wall and is suitable for use in duct flows of up to 6 metres per second.

The duct kit is compatible with Xgard Types 1, 2, 3, 5 and 6 in aluminium enclosures (or glass-reinforced nylon for Xgard Type 1). It is not suitable for stainless steel enclosures. For Xgard Type 4 use duct kit part number C011056.



The duct mounting kit comprises the following components and should be assembled as shown in the image above.

Kit Contents:

Duct Plate x 1

6mm Nylon Bulkhead Fitting (M04168) x 1

Spray Deflector Assembly (C01052) x 1

Screws (M03436) x 2

M6 Nuts (M03441) x 2

Washers (M03437) x 2

6mm Nylon Tube

Notes:

1. The duct mounting kit is intended for use in ducts with a maximum air-flow speed of 6 metres per second. Sensor performance may be affected if exposed to higher flow rates than specified.
2. The 6mm bulkhead pipe fitting is provided to enable the detector to be gas-tested without removal from the duct. The sensor should only be calibrated by removing from the duct and applying gas directly using the correct calibration adaptor (part number C03005).
3. The plate must be installed on the duct wall with the sensor protruding into the duct. To avoid the adverse effects of turbulence, the plate should be installed in the centre of a straight section of duct which has a length of at least six times its width.

Testing and Commissioning

Calibrate the detector according to its instructions. Testing the operation of the ASU can be performed by introducing gas into the duct system.

Warning: it is essential to ensure that procedures are in place to prevent people and/or equipment being affected by any test gas introduced into the ventilation system.

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