

## Monitoring Gases in Ducts

Due to the introduction of new European standard EN 60079-17 (inspection and maintenance of equipment for use in hazardous areas), gas detectors can no longer be installed directly within a duct: they must be available for visual inspection at all times.

Duct mounting solutions must be promoted for applications where duct monitoring is required in order that customers comply with this new legislation. The options are:

Xgard/Xgard IR: Xgard ASU (S011843), Xgard duct plate (S011918)

Flamgard Exe/TXgard-IS: ASU (S01088), duct plate (00027D)

Flamgard Plus: the 96HD sensor housing can be separated from the transmitter mounted on a Flamgard duct plate (installed in an Exe enclosure). The sensor is then connected to the transmitter via SWA cable and an Exd cable gland installed in the detector orifice on the Flamgard Plus junction box. See *Figure 3* below.

TXgard Plus: no solution at present. The 96HD/sensor cannot be separated from the transmitter on this product. Contact Crowcon if a customer wishes to duct mount this product.

TXgard-IS+: duct plate (00027D)

Nimbus: duct plate (00059D)

Installing a duct mounting solution as described above not only ensures compliance with European legislation, but also simplifies maintenance: the detector can be accessed without entering the duct.

