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Flexicon Extends Hazardous Area Range With New Fast Fit Increased Safety Fitting

Flexicon has extended its range of hazardous area conduit systems with the launch of an Increased Safety Ex e and Dust Ignition Proof Ex tb fitting for use with metallic liquid tight conduits.

Says Ian Gibson technical director for Flexicon: “While our LTP-EXD barrier glands can also be used for Increased Safety and Dust Ignition Protection, we recognised that not all hazardous area applications need a flameproof barrier gland and for these we can now provide a system that reduces installation times significantly and offers cost savings.”

The LTP-EXE conduit fittings have been independently tested and achieved an IP rating of IP66, after four weeks of heat and humidity cycling of +105°C to -25°C and 90% to 0% Relative Humidity. Offering high mechanical strength, these fittings meet the latest ATEX and IEC Ex requirements for Increased Safety. The approvals and certification is clearly visible on the fitting and provide traceability back to the notifying body.

The new fittings are available across a wide range of sizes from 16mm to 63mm diameter, in straight, 90° and 45° elbows derivatives with metric, PG or NPT threads. They can be used with any of Flexicon’s 10 liquid tight conduit systems making them suitable for many arduous & demanding applications. For complete dust ignition protection, they can be used with Flexicon’s anti-static LTPAS and LTPPUAS ranges, which have been tested to comply with clause 7.4 of EN60079-0.

The new Increased Safety fittings are manufactured from nickel-plated brass offering superior corrosion resistance and aesthetics. Unlike the LTP-EXD glands, the LTP-EXE fittings do not use a two-part epoxy compound to form a barrier seal so they can be installed in seconds.

Continues Gibson: “Using conduit provides cable protection for multiple cables so there is no need to use expensive specialist cable. Equally, a number of cables can be terminated through one fitting so the glanding space & subsequent enclosure size can be reduced.

“Additional cables can be easily added without the need to drill any more entries. Using conduit can provide additional protection such as EMC shielding, impact or crush resistance and corrosion and oil resistance, depending on the application. The new fittings are ideal for Increased Safety and Dust Ignition Protection applications.”

This range further demonstrates Flexicon’s commitment to innovation when it comes to Cable Protection Solutions. With 52 different Conduit systems now available, with metallic and non-metallic options, Flexicon are the specialists when it comes to Cable Protection and Flexible Conduit Systems.

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