

Fittings and pipes for ATEX-classified industrial areas

In order to address corrosion problems in industrial plants, pipes made of thermoplastic materials has been used for decades; this also includes areas at risk of explosion, which are technically referred as ATEX-classified.

Hürner Italia Srl is able to offer a wide range of pipes and fittings qualified for applications in such ATEX 1 and 2 classified zones, both for specific needs of liquids transportation and for handling flammable vapors and dusts.

The best suited materials for this applications are: PPS EL (antistatic and self-extinguishing polypropylene), and PE EL (antistatic polyethylene). Both can be used in pressure lines up to 10 bar and in ventilation lines with pressure up to ± 1500 Pa.



The wide range of fittings and accessories that we are able to offer includes both the butt-welded pressure series and the ventilation series with socket ends, suited for hot-air-welding process with filler material. The main application fields for these materials are the pharmaceuticals and chemicals industries, where the ventilation lines of laboratories and production units typically presents problems for the constant presence of acidic solvents, flammable gases and dusts.

The dimensional range for injection-molded fittings with butt welding starts from OD 32 mm up to OD 400 mm, while the ventilation line with socket ends extends from OD 50 mm up to OD 800 mm.

The various reference figures for such products can be viewed on our website www.hurner.it under the VENTILATION section of our catalog.

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