EXPLORSION PROTECTION

Experts in Equipment for Explosive Atmospheres

TOTAL SUPPLY ● MEASURE ● DETECT ● METER ● POWER ● LIGHT ● HEAT
Thorne & Derrick International were established in 1985 and are now one of the largest specialist distributors and worldwide exporters of LV-HV Electrical, Mechanical, Process & Instrumentation – we have a solid reputation for knowledge, service and integrity.

**LIGHTING**
Portable, Temporary & Fittings

Hazardous area lighting and luminaires including linear, wellglass, floodlight and bulkhead lights certified by ATEX & IECEx for Zone 0, Zone 1 & Zone 2 lighting in potentially explosive atmospheres.

**PROCESS INSTRUMENTATION**
Flow, Temperature, Pressure & Level Measurement

Sensors, transmitters, probes, instruments and meters for reliable and accurate process measurement in potentially explosive atmospheres.
Hazardous area electrical heating provides frost protection and process temperature maintenance of liquids and gases in potentially explosive atmospheres, including Zone 1 and Zone 2.

**NEW EXHEAT “The Bulldog”** - the world’s first truly portable hazardous area fan assisted heater for hazardous area location heating.

**ELECTRICAL HEATING**

**Immersion, Air, Line & Water Heaters**

**Drum, IBC, Tank & Hose**

Highest performance heating for temperature control and frost protection of bulk containers (IBCs), storage drums, pumps, pipes, tanks and gas bottle cylinders.

**GAS DETECTORS**

Portable & Fixed

Single and multi gas detectors for toxic and flammable gases in industrial and hazardous areas including hydrogen sulphide, methane, carbon monoxide and offshore hydrocarbon gases.

**HEAT TRACING CABLE & SYSTEMS**

Self-regulating, Mineral Insulated, Constant Wattage & Instrument Tubing Bundles

Trace heating cables provide frost protection and process temperature maintenance to pipes, vessels, tanks, hoppers, valves and drums – process heating of aggressive organic and inorganic chemicals up to 550°C.

**CONTROL STATIONS & PUSHBUTTONS**

Stainless Steel, Plastic & GRP

Hazardous area control stations, surface or panel mounted, for potentially explosive atmospheres and suitable for Zones 1 & 2 gas and Zone 21 & 22 dust environments various push buttons, emergency stops, switches, mushroom heads and indicator lamps integrated into control station.

**HEAT, FLAME & FIRE DETECTION**

Cables, Sensors & Detectors

Advance warning of overheating and early stage detection of heat, flame and smoke to prevent fire – analogue, digital and fibre optic fire and heat detection cables are available.

**www.heatingandprocess.com**

Thorne & Derrick
ENCLOSURES & JUNCTION BOXES
LV, MV, HV up to 33kV
Enclosures for instrumentation, power or control applications - stainless steel, mild steel, glass reinforced polyester, aluminium and polycarbonate certified according to ATEX and IECEx.

SOLENOID VALVES
SIL3 NACE ATEX NAMUR Valves
General service and hazardous area location 2-way, 3-way and 4-way solenoid valves to handle flow control of liquid, gas, steam and oil in both onshore and offshore installations.

SIGNALLING
Sounders, Beacons & Call Points
Explosion proof audible and visual signalling devices for fire and gas detection in industrial onshore, marine and offshore hazardous locations - with integral flameproof Ex d enclosure (ATEX & IECEx approved).

PLUGS, SOCKETS & ISOLATORS
Decontactors – Safe Disconnect Under Load
LV power supply include industrial, high current and hazardous areas decontactors - decontactors are Ex de explosion protected and compliant with ATEX and IECEx standards suitable for Zones 1 & 2 (Gas) and Zones 21 & 22 (Dust).

MOBILE COMMUNICATIONS
Smartphones, Tablets & Computers
The world's first Zone 1/21 & Div. 1 certified hazardous area tablet - the Ecom Tab-Ex® 01.

LV-HV CABLE ACCESSORIES
Joints, Terminations, Glands & Cleats
LV-HV cable accessories to support the installation of power cable circuits in hazardous area locations - UK's largest 3M Stockist for Cold Shrink and Scotchcast joints and terminations up to 33kV.
The original and only global information site for the hazardous area safety community.

With its own dedicated app, publication and events.