

About Pyropress



Pyropress is a leading designer and manufacturer of switches, transmitters, valves and sensors offering engineering solutions for hazardous area, marine and industrial applications. For over 60 years we have built a solid and impressive reputation for quality, with reliable and durable products.

Our products are designed to work in demanding and hazardous environments which require fast and cost effective solutions in instrumentation and control. Pyropress control sensors provide safe and reliable electrical switching of alarm or control circuits in response to changes in temperature, pressure, differential pressure, vacuum, fluid, flow and level conditions.

Our comprehensive product range incorporates proven design techniques and technology for flameproof (Exd), Intrinsically Safe (Exia), marine or industrial areas.

Our Facilities



Pyropress is based in Plymouth in the south of England and operate from a modern and purpose built 17,000 square foot facility. All of our manufacturing and design is undertaken here by our skilled engineers, and our close-knit team allows for a fluid and efficient component production line. We have excellent links by air, sea and road allowing us to offer exceptional delivery times.

Distribution



Distribution partners *(at time of print - full details on website)

- | | |
|----------------------|--|
| AUSTRALIA | - Duff and Macintosh Pty. Ltd. |
| CANADA | - ITS Industrial Technical Services |
| CHINA | - Beijing Longradar Technology & Trading Co Ltd |
| DENMARK | - Tormatic AS |
| INDIA | - Gruppe Littlesilver |
| INDONESIA | - Mega Asia Jaya Co |
| ITALY | - Eisenbau S.r.l |
| KUWAIT | - ESCO Trading Ltd |
| MALAYSIA | - Mega Asia Jaya Co |
| NETHERLANDS | - PandID B.V. |
| NORWAY | - Tormatic AS |
| SINGAPORE | - Adex Zonex |
| UNITED ARAB EMIRATES | - Omega Engineering FZC |
| UNITED KINGDOM | - Fluidic Ltd. - North West UK, Scotland and Nuclear related projects
- Process Instrument Sales - East UK
- Pyropress Engineering - All other areas |
| USA (LA, OK & TX) | - Protos Inc. |



Pyropress Engineering
Bell Close, Plympton
Plymouth, Devon
PL7 4JH, England
Sales : +44 (0)1752 333933
Admin : +44 (0)1752 333939
Fax : +44 (0)1752 336681
sales@pyropress.com
www.pyropress.com

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Explosion Protection and Industrial Switches, Transmitters and Explosion Relief Valves



Transmitters

Pressure, vacuum, absolute pressure, differential pressure, temperature & level

Pyropress can offer a wide range of pressure, vacuum, absolute pressure, differential pressure and temperature transmitters suitable for use in arduous environments for hazardous and industrial applications.

Features & Benefits

- Pressure, Differential Pressure and temperature
- 4 - 20 mA and 0 - 10V outputs
- Accuracy from 0.075% to 0.4%
- Display options
- Smart/HART options
- SIL 1 and 2 options
- Minimum IP65 rating
- DIN43650, M20, ½" NPT and sealed lead electrical connection options
- Comprehensive range
- Competitive prices
- Swift production and despatch

Certification

Our transmitter ranges are available with various certifications:

Flameproof (explosion proof)
ATEX Exd certified for use in Zone 1 (Category 2) hazardous areas.

Intrinsically Safe
ATEX Exia certified for use in Zone 0 (Category 1) hazardous areas.

Our sales team will help you to find the transmitter which meets your exact specification before our skilled team of engineers calibrate them to a high level of accuracy.



Switches

Pressure, vacuum, differential pressure, temperature, level & flow

Pyropress is world renowned for our market leading range of high accuracy switches. For over 60 years we have been developing and expanding an extensive range of pressure, differential pressure, vacuum, temperature, level and flow switches for industrial, marine and hazardous areas applications.

Certification

Our switch ranges are available with various certifications:

Flameproof (explosion proof)
ATEX Exd certified for use in Zone 1 (Category 2) hazardous areas.

Intrinsically Safe
ATEX Exia certified for use in Zone 0 (Category 1) hazardous areas.

Industrial
Robust weatherproof construction for safe area and marine applications.



Features & Benefits

- 1 x SPDT or 2 x SPDT microswitch options
- 316 Stainless steel construction to IP67 and black anodised aluminium case to IP66/67
- SIL 2 options
- ATEX, IECEx or AEX (USA) approvals
- Design incorporates set point adjustment outside flameproof housing, enabling adjustment while operating
- A secondary diaphragm provides a barrier between the process and electrical connection



Valves

Explosion relief valves

Explosion Relief Valves (ERV) are an integral part of large compression ignition engines, allowing the safe release of potentially catastrophic pressure generated by crankcase explosions in a safe and controlled manner.

The Pyropress valve is fitted with an internal flame trap, offering greater protection from the effects of a crankcase explosion than other types of protection and is certified to IACS UR M66.

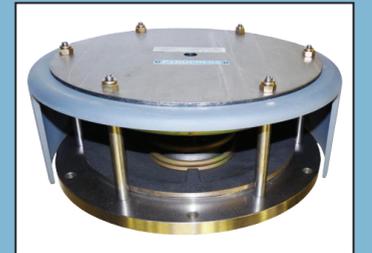
This range of valves incorporates an internal, oil wetted, wire gauze flame-trap devised and patented by the British Internal Combustion Engine Research Institute, which after thorough investigation and testing has been found to give the most efficient degree of flame arresting.

This high efficiency flame-trap is combined with a quick acting, spring loaded, stemless valve disc, which ensures frictionless valve operation and eliminates any possible danger of sticking.

120° Safe Directional Cover

The Pyropress ERV is fitted with a specially designed deflecting cover which enables safe, directional control of the escaping gases. Other explosion relief valves release the gases in a full 360° circumference which could cause injury to nearby personnel.

The Pyropress valve contains a 120° gas escape aperture, allowing a controlled release of pressure away from people and equipment.



Alternative valves are available for exhaust/high temperature applications

Features & Benefits:

- Crankcase explosion relief valve
- Rated to 115cm² of relief area per m³
- Internal oil wetted flame arrestor offers six times the heat absorption of external flame traps
- Proven in service for long life and efficiency
- Safety deflecting cover
- Robust and durable even in the most arduous conditions, weatherproof versions available

