



INERIS

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adix[®]
● explosion protection

**EXPLOSION PREVENTION
AND PROTECTION**



www.adixatex.com

SPECIALISTS IN ATEX.

We are a company with more than 20 years of experience in the prevention and protection of ATmosphères EXplosives.

Our priority is to optimise the protection of your installations and processes with 360° solutions: Consultancy and project planning; In-house production of prevention and protection systems; installation, commissioning and maintenance by our specialists; ATEX training courses with INERIS-certified trainers and continuous research and development to offer the most efficient technologies.

Our products are used worldwide in many sectors: Food industry, chemical industry, pharmaceutical industry, recycling industry, wood industry, power plants, petrochemical industry.

BUCKET ELEVATOR CONTROL SYSTEM



The Bucket Elevator Control allows the monitoring of Motion, Belt alignment, Plugs, Bearing Temperature and the correct operation of its various detectors.

ATEX Marking: ExII3D.

This marking allows installation on the elevator and saves wiring.

TRUCK EARTHING SYSTEM



Loading and unloading non-conducting liquids or powders from trucks can generate electrostatic charges. If enough electrostatic energy is generated, there will be an explosion hazard. The truck earthing system is a safe electrical earthing of tanker trucks during loading and unloading of bulk liquids or solids.

SPARK EXTINGUISHING SYSTEM



In mechanical equipment as well as in pneumatic conveying systems and dust collectors, fires and explosions can be caused by incandescent particles or sparks. The spark detection and extinguishing system detect sparks and smoldering particles and extinguish them efficiently with a fine water spray without affecting the production process.

SILO TEMPERATURE MONITORING SYSTEM



A fully automated temperature monitoring system for silos. The sensor lines are mounted hanging from the ceiling inside monitoring the temperature and moisture at different heights. The early detection of spontaneous combustion allows to cool the product through aeration, injection of inert gases or transfer to another storage facility.

EXPLOSION VENT PANELS



Device for Explosion Protection in closed volumes operating at low vacuum pressures based on the liberation the overpressure of explosion to safe area, avoiding that the design resistance of the equipment is exceeded.

FLAMELESS EXPLOSION VENTING



Device for explosion protection based on the liberation of explosion overpressure and flame cooling, reducing the effect of an explosion in closed volumes installed inside buildings.

NOVEX II. EXPLOSION ISOLATION FLAP VALVE



An explosion is not limited to a single process element. Despite the installation of protective measures such as e.g. Explosion Vent panels, the explosion can spread through ducts to other systems.

EXPINCH. EXPLOSION ISOLATION SYSTEM



The Insulation System ExPinch is capable of isolating an explosion inside an equipment or container. The system needs to perform continuous monitoring of static and/or dynamic pressure sensors, that sends a signal to the line controller, activating a solenoid valve that releases the compressed air in a boiler which causes the immediate closure of the inner rubber sleeve.

VENTEX EXPLOSION ISOLATION VALVE



Used in installations where flammable dusts (including metal powders), gases or hybrid mixtures are processed. It is suitable for protection in one or both flow directions without external energy. They are typically used where explosion isolation is required on pressurized equipment or where air inlet openings must be effectively secured against pressure and flame discharge.

EXPLOSION VENT DEFLECTOR



Explosion vent deflector is an accessory for vent panels. It limits the opening angle of the vent panels and directs the explosion pressure wave and flames into a defined safety area.

This reduces the danger zone around the explosion vent panels and thus provides a greater working space.

EXPLOSION SUPPRESSION SYSTEM. EXPLOSION ISOLATION SYSTEM



Explosion suppression systems are designed to control the development of over pressures due to dust explosions inside of industrial processes. The detection and suppression of the explosion can also be implemented in ducts for preventing the propagation. Suppression discharges an extinguishing agent within milliseconds. In this short response time suppresses an incipient explosion.

EXPLOSION ISOLATION ROTARY VALVE



For use as explosion isolation system which prevents an explosion and a flame from propagating into other apparatus or plant areas. Explosion and flame proof for dusts St1+St2.

Pressure shock resistant up to 10bar.

Marking: Ex II 1/2GD c T4 125°C

Certificate: ATEX 2014/34/EU

