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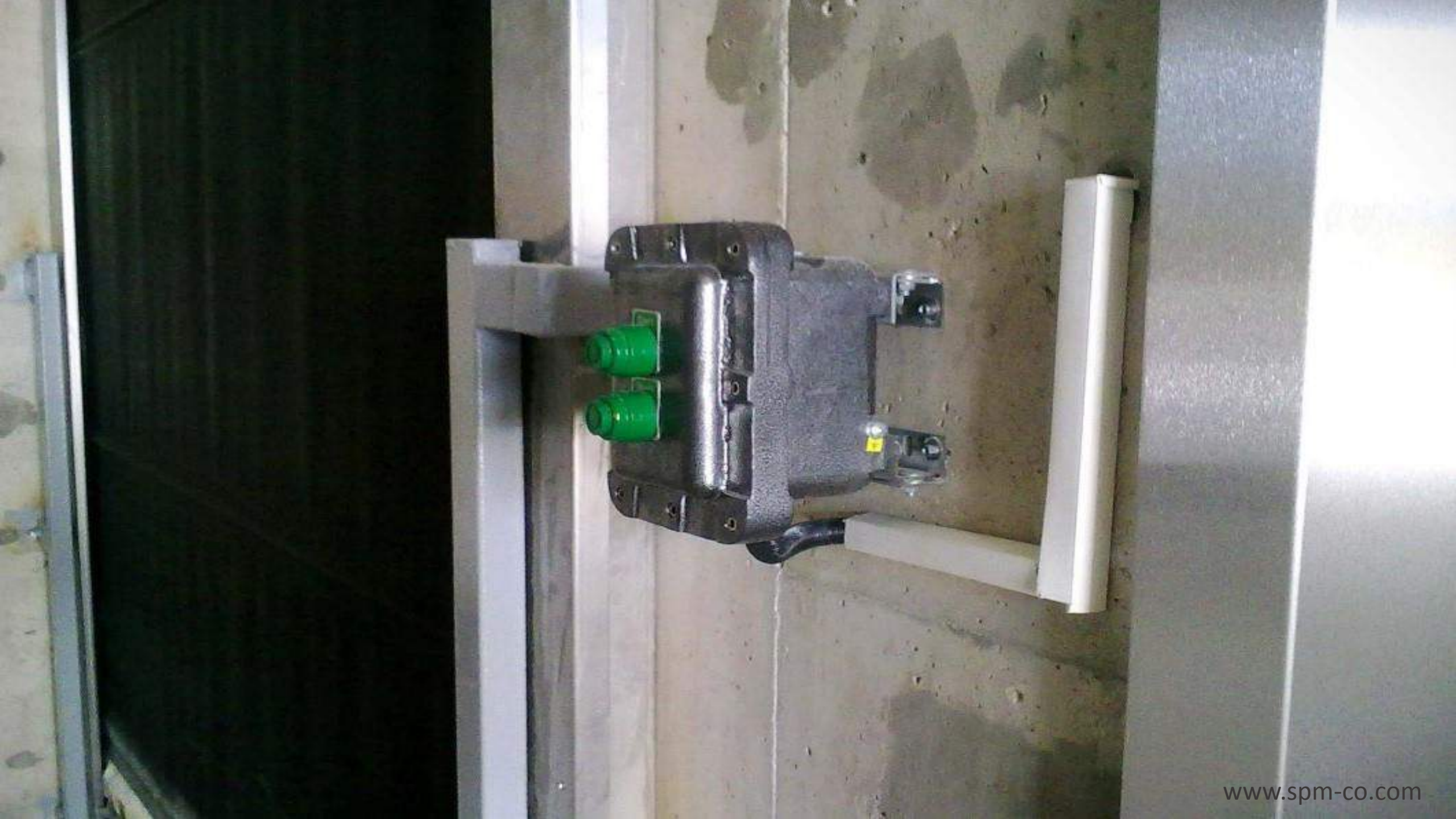
SANAT PERSIAN MABN A



PVC FABRIC DOOR SYSTEMS

EEX EXPLOSION PROOF DOOR

SPEED FLEX® ATEX-Exproof ROLL UP DOORS



ATEX high speed roll up doors are designed for explosion safety. ATEX derives its name from the French title of the 94/9/EC directive :Appareils destines a etre utilises en Atmospheres Explosibles. Explosive atmospheres in the workplace can be caused by flammable gases, mists or vapours or by combustible dusts. Explosions can cause loss of life and serious injuries as well as significant damage. Cause of this extreme risk ATEX high speed roll up doors is designed and customized to reduce the risk of explosions at high risk area. High speed ATEX roll up door is one of the most essential Equipments at Atex zone

Sealing Properties

7/24

ATEX high speed roll up door system has flexible design. This door can assist you to manage personnel and forklift traffic in explosion area. Door can be operated 24*7 specially by choosing high resistance fabric and gearbox system for continuous operations.

ATEX door is equipped with special sealing equipment . Door compact design supply to you also excellent sealing to reduce leakage of gas or explosion materials. All insulation rubber and sealing material is specially chosen from anti – static material

Essential for Atex zone

Atex high speed roll up doors is designed with fully EEX equipment all parts is choose non-metallic and anti- static equipment motor control board and electronic component also choose from EEX equipment

Structure

All structure made from Non-metallic equipment or aluminium to avoid spark cause of deployment of static electric or any crash .All side guide and bottom frame is manufactured one pieces so not gap or welding that design is suitable for high hygiene required area.

Maximum Dimensions

ATEX high speed roll up door can be manufactured up to 4500 ×4500 mm. big door requirements shipyarddoor has special applications

Applications

ATEX Door can be used all industrial building has an explosive atmosphere that is defined as a mixture of dangerous substances with air, under atmospheric conditions, in the form of gases, vapours, mist or dust in which, after ignition has occurred, combustion spreads to the entire unburned mixture.

Wind Resistance

ATEX Roll up Doors is designed internal applications standard wind resistance 40km/h and class 2 Annex ZA- (EN13241:2011).

Fire Resistance

Fire resistance of the fabric is suitable for any fire safety regulations. Relative standard is NFP 92507:m2 .These materials are difficult to ignite. They include materials such as wood treated with a fire retardant and rigid foam plastics. A fire must extinguish itself when the source of the fire is removed.

Control board

Control board is designed according to CE 94/9/EC and NEMA ICS 2 standard to operate 3 phase motor with rotate switch. It is suitable ZONE II atex area relative standard is III 2 G EX d IIB Gb ant II 2 D Ex tb IIIC T 100 OC IP 67 Emergency button circuit Breakers Warning light Buzzer (optional), plug in technology served with universal spare parts.

Optionally

Frequency converters control board with touch less button – Mono phase operators control board is available.



Speed

ATEX high speed roll up door can be operated as a standard 40cm / sec also can be increased 150 cm/sec with frequency converter (optional)

Motor and Gearbox

Motor gearbox and break one of most important part ATEX high speed door we specially choose all system low maintenance high durability and low spare parts cost, with all properties motor power from 1 Hp up to 3 Hp operations voltage 380-440 V 3 phase depends to dimensions of the doors. We prefer to use 3 phase operation voltage for 7/24 industrial operational , as an options we have 220 v 1 phase motor operator for special applications. Gearbox high torque worm – hole design gear-box. All materials is manufactured according to II 2G Eex d k/c e lic T4 /II 2D T125 Cdie ATEX standard

Fabric

We have been using special choose fabric is suitable for long life and atex properties. It have very high resistance against to UV damage , Trade name POLYMAR A- LUTTE manufactured byMehler Textile GMBH. Industrial fire resist 680 gr/m² 1-2 mm 1100 Dtx and Anti –static proper-ties is <1× 10*8 Ohm.

Operations

Atex rollup fabric door is guide up and down in the weather sealing vertical guide attached to the structure. Door is controlled by three buttons marked open closed , and stop . It is controlled by momentary pressure to open and constant pressure to close. (Reverse is available). System has touchless control board for clean room sections and it can be operated with Radar ,(optional)Remote controller , Metallic loop Detectors , pull rope switch as an options.

Loop detectors

Together with the inductive loops laid beneath the surface, the LC series loop detectors form a universal sensor system for detecting vehicles and forklift. People are not detected.

Infrared radar

Opening impulse sensor for automatic doors and industrial doors I motion sensor for people and objects.

Remote Operations

In Emergency situations or power is of Doors can be operated manually a few ways.

-A hand crank that attaches to the output shaft of the motor is available for manual operation.(standard)

-Connecting the door to a power generator would eliminate the problem in case of a power failure.(optional)



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www.spm-co.com

info@spm-co.com



No 401- 4th floor -mehregan buildin-
daneshamoz bolvar- karaj

code:3136973587

fax:982634275220

Tell:982634275121



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