

anti-déflagrant

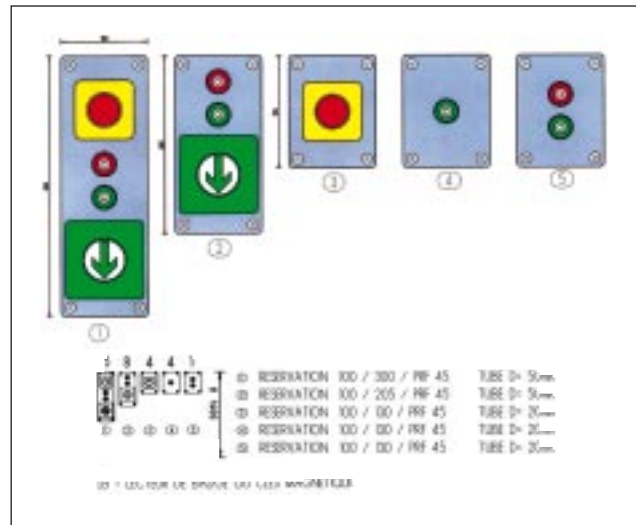
équipement pneumatique des portes et SAS

explo-proof - pneumatic door and pass box equipment

To comply with the needs of hazardous premises that require an explo-proof environment, we make fixed seal doors and doors with inflatable seals fitted with pneumatic equipment.

LSB equips doors with pneumatic indicators, bolts, rebate contacts and control buttons.

- Transfer of data between the SDM interlocking cabinet and its sub-assemblies is made in 2.7/4mm tubes.
- The SDM cabinet is installed in a non explo-proof area, and houses the pneumatic/electric interfaces (pressostats, manometer pressure detector, pressure regulator), the controller, the electrical protection and the "voltage present" indicator and "no air" warning. A pneumatic emergency opening control by 1/4 turn push-button can also be provided.
- The maximum distance between the doors and the cabinet is 15 meters.
- Explo-proof equipment for the doors: entirely pneumatic equipment enabling the interlocking of the various staff locker and pass boxes.



- Technical connections made using pressurised rilsan tubes between the doors and the interlocking cabinet located in a technical control room.
- Pressurised air entry at 7 bars and 220-volt ac power supply prepared close to the cabinet.

Explosion-risk premises (BE3), decree 78779.



The reasons for this choice

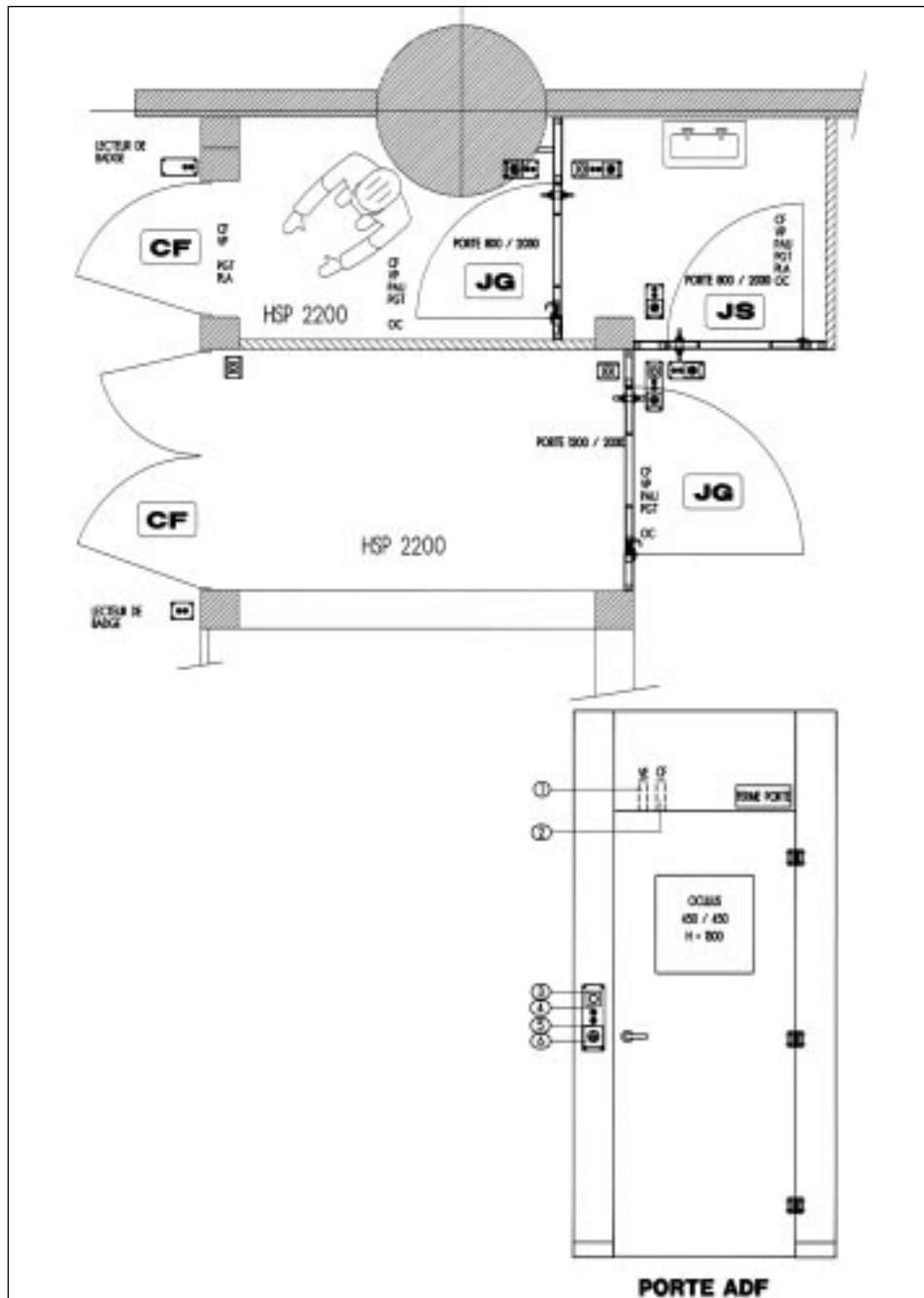
- 1 excellent value for money
- 2 adaptable to process constraints
- 3 simple to operate
- 4 design and ergonomics
- 5 inert to formaldehyde
- 6 maintenance conducted outside of the Explo-proof area

Our selection of high pressure laminates complies with the French standard NF T54/324 (homogenous materials with mechanical characteristics recognised ISO R1183.87).

anti-déflagrant des portes et SAS

dessins techniques

explo-proof doors and pass boxes - technical drawings



- | | |
|---|--|
| ① SINGLE EFFECT PNEUMATIC LOCK WITH RETURN SPRING | ④ RED PNEUMATIC INDICATOR Δ 22 MM |
| ② NF TYPE PNEUMATIC REBATE CONTACT | ⑤ GREEN PNEUMATIC INDICATOR Δ 22 MM |
| ③ EMERGENCY EXIT BUTTON, 1/4-TURN PNEUMATIC TYPE | ⑥ PNEUMATIC OPENING REQUEST BUTTON |

DESCRIPTION OF TEST SEQUENCES

Through pass box

To enter

- Only enter when white indicator is on
- Press the "opening" button of door 2. The door should unlock. Doors 1, 7 and 5 lock. The indicators show red
- Push the door and enter.
- Do not try to exit by the opposite door

To leave

- Pull the same door and leave
- Close the door behind you
- Press the "door close" button: this is compulsory the door locks and indicators for doors 1, 7 and 5 show white door 5 unlocks

N.B.

The action of opening door 2 energises relay R1 "excess pressure prohibited"

REMARK

Do not try to force a locked door open

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