



Reduced Pressurized System ExnP

Ex nP

The use of pressurized enclosures allows the operation of 'non explosion protected' devices in hazardous areas zone 2. The protection type 'pressurisation' is based on the principle of maintaining a constant pressure using air or a protective gas to prevent an explosive mixture forming near the apparatus inside the pressurized enclosure.

Certification

- Ex nP system according EN50021
- pz system volgens IEC60079-2

System with proportional pressure sensory

No membrane switches, no screws or potentiometers to adjust pressure or flow thresholds.

Components

1. Control unit (FS840) for process control and monitoring
2. Adjustable passage (SD840) for inlet of protective gas
3. Solenoid valve (SVD.L) if the user cannot guarantee a concentration < 25 % LEL. (according EN60079-14)

Terminal specifications

- 2-pole potential free terminals, switching capacity 250VAC / 5A (AC1)
- in the FS840 an exchangeable solenoid valve fuse is integrated
- the built-in spark lattice allows to let off the purge medium direct into the hazardous area

Display

- visualisation of status and malfunction via integrated display
- states of pressure or flow are at anytime available on the screen
- available languages: Dutch, German, English, Spanish and French

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