

**I-FUNCTION**

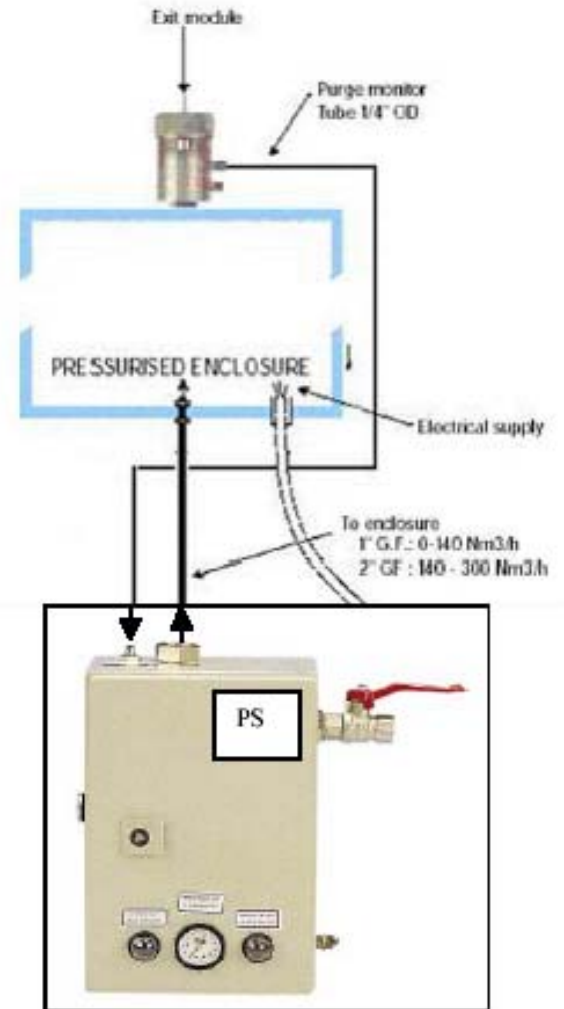
The PS Purge Monitor is a device for preventing the formation of a potentially explosive atmosphere inside a housing by purging with a protective gas before electrical switching on. This device complies to the non sparking equipment protective latest standards, mainly to the standard EN-IEC-679-15(2003) for the Group II 3G under the code EEx nCA(nZ) IIC T6 and has been certified by KEMA under the N° 04ATEX 2076X.

**II- OPERATION**

When the door of the electrical enclosure is closed a flow of protective gas is introduced to purge a potentially explosive mixture. For this operation the protective gas introduced through the enclosure must represent at least 5 times the internal free volume. This function is controlled by an automatic timer and the flow-rate can be set up to 300 Nm<sup>3</sup>/h.

At the end of this phase the indicator «enclosure ready» turns green and the monitor electrical output contact is switched on.

This position is memorised until a new purging cycle is recycled by the operator.

**III- ANCILLARIES**

The protective gas supply can be switched on locally by opening isolation valve or remotely by EExd solenoid valve (version tele-arming). The equipment electrical switch-on can be achieved manually by the operator when the «enclosure ready» information turns green or by the monitor electrical output contact interfaced by a relay if the current exceeds 6A under 250V.

**IV-SPECIFICATIONS**

Material integrated in painted box – size : 300x300x210 or 500x 300x600 mm ( LxHxD) depending of maximum flow-rate required .

Please refer to the LCS Monitor for the other specifications .