

## GENERAL INFORMATION

This protection device could be requested in the case insulating joints are subjected to possible damages due to lightnings or induced over currents.

This last occurrence could particularly happen where pipes are laid parallel or cross to high voltage lines. If induced over voltage flows through the pipes to an insulating joint, the same will result heavily damaged as a consequence of high transient current flow.

Even more dangerous could be atmospheric discharges. For all above mentioned occurrences suitable surge arrestors are to be used.

## MAIN CONFIGURATIONS AND TECHNICAL PERFORMANCES

Surge arrestors are usually supplied in explosion proof version and for two different installations:

- above ground insulated flanges;
- above ground or buried monolithic insulating joints.

The device is suitable for classified areas : Ex d IIC T6 Gb ( EN 60079-0 / -1 )

Part number	Contact Voltage	Protection level	Nominal discharge current 8/20 $\mu$ s	Impulse Current 10/350 $\mu$ s
P-9229-000	1 kV	< 3 kV	100 kA	100 kA
P-9229-001	1 kV	< 3 kV	100 kA	100 kA

Every device is delivered with single core cable twice insulated, 25 mm<sup>2</sup> for connection at two side of the joint. In buried installation an hermetic execution with plastic container polyuretanic resin, (P.9229 type) is foreseen.

