

# Selection of equipment for gas and vapour environment

## Criteria of selection of equipment

The criteria of selection are the following :

- Gas and vapours classification.
- Protection indexes
- Protection modes.
- Industrial environment (corrosion).

The 2 tables below indicate the equipment groups which can be used depending on the gas and vapour subdivision.

ELECTRICAL EQUIPMENT WHICH CAN BE USED

Gas-vapour subdivision	Equipment groups which can be used		
	increased safety « e »	flameproof « d »	Associated Protection modes « d » + « e »
A	II	IIA - IIB - IIC	IIA - IIB - IIC
B	II	IIB - IIC	IIB - IIC
C	II	IIC	IIC

### Which equipment group should be chosen ?

This table indicates the equipment groups which can be used depending on the gas and vapour classification (see page 28).

A distinction is made between two groups of electrical equipment :

#### Group I

- electrical equipment intended for underground work in mines with explosive atmospheres

#### Group II

- electrical equipment designed for surface industry.