**Classification and labelling of explosion proof equipment according to ATEX directives**

### Flammable medium
- **Gases, mists, vapours**
  - Continuously, for long periods or frequently: Zone 0
  - Likely to occur: Zone 1
  - Infrequently and for short periods only: Zone 2
- **Dusts**
  - Continuously, for long periods or frequently: Zone 20
  - Likely to occur: Zone 21
  - Infrequently and for short periods only: Zone 22

### Protection principle
- **Protection principle**
- **Type of protection**
- **Code**
- **Symbol**
- **To use in zone**
- **CENELEC**

### Examples depending on temperature class (T1 - T6)
- **Flammable liquids**
- **Flammable gases**
- **Conductive dust**
- **Non-conductive dust**
- **Flammable fibres**

### Further information
- *from April 20, 2016 replacement of ATEX 94/9/EC directives with directives according to ATEX 2014/34/EU*

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**Labelling of explosion proof equipment**

- **Ingress Protection EN 60079-5**
- **Protection against solids and dust**
- **Protection against water**

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**Protection principle - Type of protection - EN 60079-0 General Requirements**

1. ia (zone 0, 1, 2)
2. ib (zone 20, 21, 22)
3. ic (zone 22)
4. iaD (zone 20, 21, 22)
5. ibD (zone 21, 22)
6. icD (zone 22)
7. ma (zone 0, 1, 2)
8. mb (zone 1, 2)
9. mc (zone 22)
10. maD (zone 20, 21, 22)
11. mbD (zone 21, 22)
12. mcD (zone 22)
13. Highest possible application areas