



DOCUMENT RELATED TO THE CERTIFICATE **CESI ATEX 272** No changes allowed without approval of the "Authorized Person"

ATEX - Exd

CLASSIFICATION OF POTENTIALLY EXPLOSIVE AREAS

| Combustible product | Occurrence in the area | Area classification | Required protection grade Group Category | |
|------------------------|-------------------------------------------------|------------------------|---------------------------------------------|--------------|
| Gases Vapours | Continuously, for long periods or frequently | Zone 0 | 11 | 1G |
| | Occasionally | Zone 1 II | | 2G o 1G |
| | Unlikely, seldom or for short periods | Zone 2 | Ш | 3G o 2G o 1G |
| | Continuously, for long periods or frequently | Zone 20 | II | 1D |
| Dusts | Occasionally | Zone 21 | Ш | 2D o 1D |
| | Unlikely, seldom or for short periods | Zone 22 | П | 3D o 2D o 1D |
| Methane Dusts | - | Mines | Mines I | |
| | - | Mines | I | M2 o M1 |

We reserve the right to change the data without notice BE#226/1-01/2014 Level Flow O Pressure Temperature_ Electronic



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ATEX CLASSIFICATION OF VAL.CO LEVEL SENSORS

| | | LINEAR O – ATEX E | | | |
|---------|-------------|-------------------|--------------------|--|--|
| Тур | pe of float | E. Inside area | xd Outside area | | |
| | B22 | II 1G IIC T6/T5 | | | |
| SIL | B20 | | | | |
| SPANSIL | B28 | II 1G IIB T6/T5 | II 2G IIC T6/T5 | | |
| SP, | B44 | | | | |
| | B45 | | | | |

| MAXIMUM | TEMPERATURE OF THE PROCESS |
|---------|----------------------------|

| | Exd | | |
|-------------|-----------------------|--------|---------------|
| Ambient | Standard construction | | With heatsink |
| temperature | 90 °C | 100 °C | 120 °C |
| -40°C/+40°C | Т6 | Т5 | Т6 |
| -40°C/+60°C | T5 | Т5 | Т5 |

| | | LINEAR S | – ATEX E |
|--------------------|------------|-------------------|--------------------|
| Тур | e of float | Ex Inside area | kd Outside area |
| STAINLESS STEEL | S29 | | |
| | S32 | | |
| ЫЩ | S52S | II 1G IIC T6/T5 | II 2G IIC T6/T5 |
| S ⁻ | S52 | | |
| S | S100 | | |

| | MAXIMUM TEMPERATURE OF THE PROCESS | | | |
|------------------------|------------------------------------|-------------|---------------|--|
| | Exd | | | |
| Ambient temperature | Standard c | onstruction | With heatsink | |
| | 90 °C | 100 °C | 150 °C | |
| -40°C/+40°C | Т6 | T5 | Т6 | |
| -40°C/+60°C | T5 | T5 | T5 | |

| | | LINEAR V-F – ATEX E | | | | |
|------------------------------------|----------|-------------------------|--------|---------------|-----------------|--|
| Type of float | | Exd | | | | |
| | | Inside area | | Outside area | | |
| <u>ں</u> _ | F49 | II 1G IIB T6/T5 | | | | |
| PP PVC PVDF | P49 | | | I | II 2G IIC T6/T5 | |
| 2 4 | V49 | | | | | |
| MAXIMUM TEMPERATURE OF THE PROCESS | | | | ROCESS | | |
| | | Exd | | | | |
| Α | mbient | Standard construction | | With heatsink | | |
| temperature | | 60°C (PVC) / 90 °C (PP) | 100 °C | (PVDF) | 130 °C (PVDF) | |
| -40 | °C/+40°C | Т6 | T | 5 | Т6 | |
| -40 | °C/+60°C | | Т | 5 | T5 | |

Pressure

Temperature

Electronic

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Level

Flow



BE#226/1-01/2014