**PROTEGO® Electrically Heated Insulation-Jackets**

**Application orientated solutions**

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**Challenge**

Breather vent plugged and cannot function (often caused by formation of ice in cold environments).

**Solutions**

1) Install PROTEGO® valve with heating (steam) jacket
2) Install PROTEGO® removable insulation jacket complete with integral, ATEX-approved electric heat-tracing elements

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**Actual Application**

Biogas digester (or any tank with condensing atmosphere or located in humid climate conditions where there is risk of freezing) with location that dictates it is impossible/impractical to install steam-jackets or hot-media energized heating-jackets.

**Solution - chose number 2 - install PROTEGO® self-limiting heating bands**

**Design Parameters**

- self-limiting heating bands (85 °C - T6) with ATEX approval
- designed for -40 °C, depending on the device type
- carrier material of heating band is elastic PTFE foil
- insulated with UV and weather resistant Para-aramid fiber

**Advantages of PROTEGO®**

- all openings (valve intake/discharge; condensate drains) are kept free of debris
- no icing of the moving parts
- matches the individual requirements of the PROTEGO® devices without adversely influencing the functionality—thus assuring the valve provides calculated in/out-breathing rates
- easily removed and re-installed during service work
- retro-fit of installed PROTEGO® devices possible

**In case of questions about application or retro-fit please do not hesitate to contact the PROTEGO® team.**

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