

**Temperature decoupling bell housing E1, E2, E3 and E4**

The temperature decoupling bell housing protects the control head against high bulk goods temperature resp. process temperature.

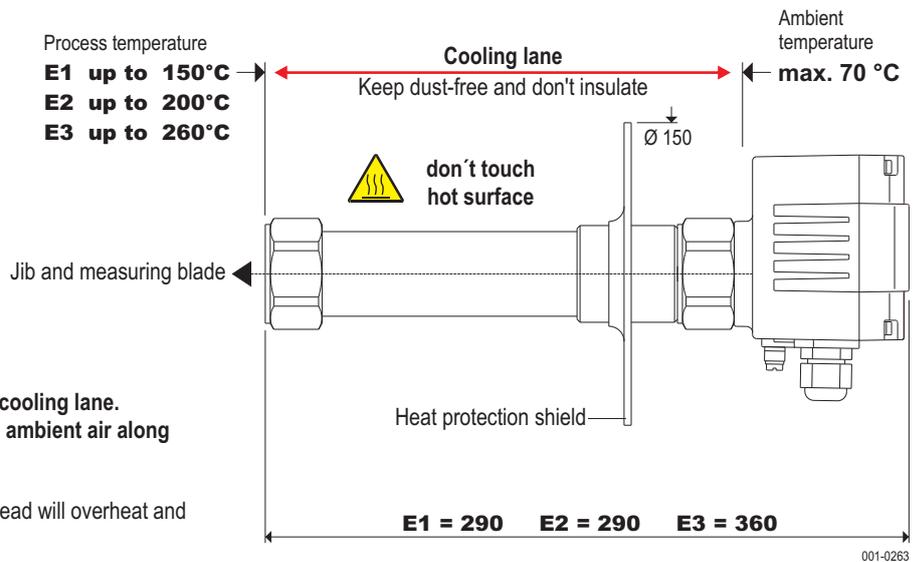
The temperature should be cooled down to 80 °C at the bottom of the control head by a cooling lane.

The level indicator is only permitted to operate with a maximum temperature of 80 °C, measured at the surface of the control head housing.

**Application data**

**Ambient temperature** -20 °C ... +70 °C  $T_a$

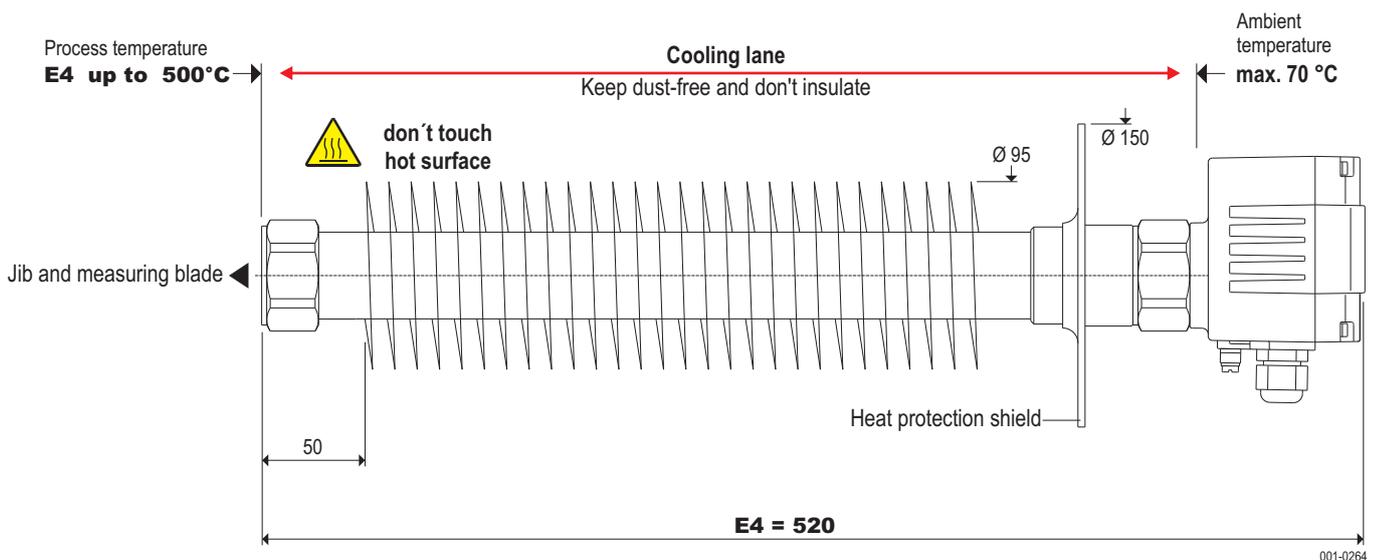
**Bulk goods temperature** **E1** -40 °C ... +150 °C  
**E2** -20 °C ... +200 °C  
**E3** -20 °C ... +260 °C  
**E4** -20 °C ... +500 °C  $T_{(Process)}$



**ATTENTION!**

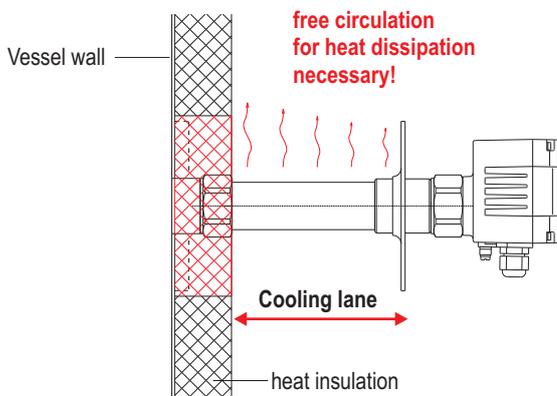
It's not allowed to mount any attachments at the cooling lane.  
For a sufficient cooling the free circulation of the ambient air along the cooling lane is necessary.

If those instructions were not observed, the control head will overheat and this cause the loose of the device's performance.

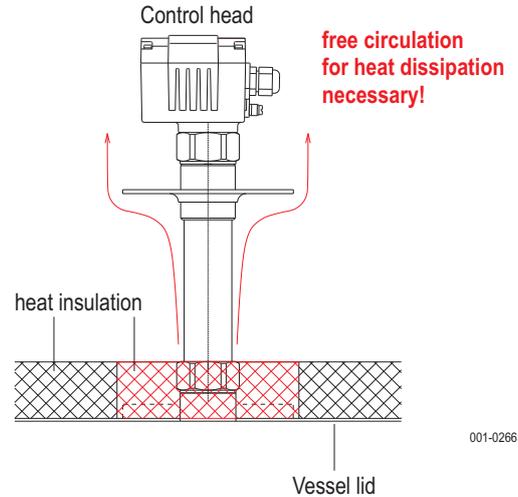


The Technical Data presented here are to be considered as maximum values, relating only to the equipment described herein. Depending on the selection of options and instruments used, these data must be considered or reduced correspondingly.

**Temperature decoupling bell housing E1, E2 and E3 - mounting instruction**



001-0265



001-0266

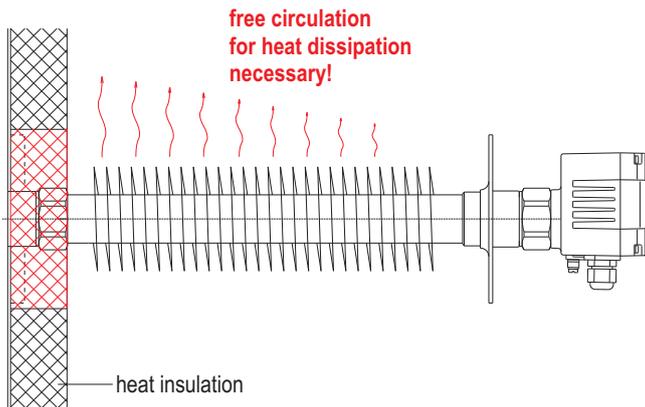
If it is mounted horizontal or inclined the device may be installed in a vessel without heat insulation.

The cooling lanes are designed for an heat insulation of about 50 mm. If the heat insulation is thicker the cooling lane has to be prolonged.

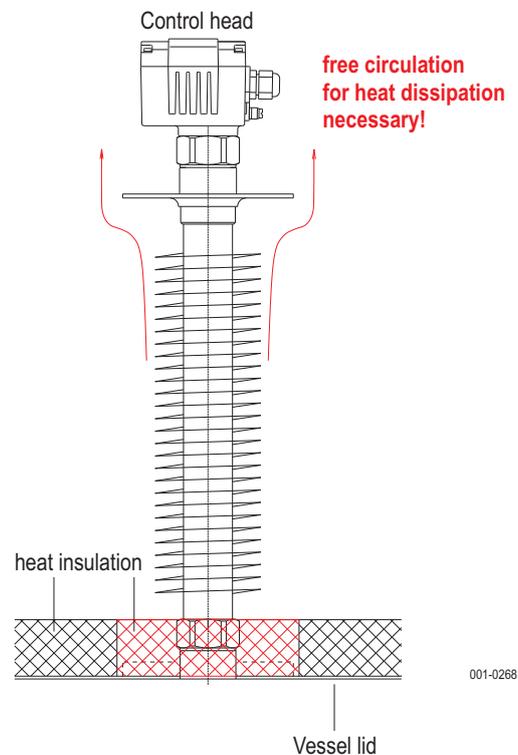
When vertical mounted an heat insulation as protection against to much heat emission is absolutely necessary.

The heat insulation has to be continuous (red) so that less heat will get above to the control head.

**Temperature decoupling bell housing E4 - mounting instruction**



001-0267



001-0268

If it is mounted horizontal or inclined the device may be installed in a vessel without heat insulation.

The cooling lanes are designed for an heat insulation of about 50 mm. If the heat insulation is thicker the cooling lane has to be prolonged.

When vertical mounted an heat insulation as protection against to much heat emission is absolutely necessary.

The heat insulation has to be continuous (red) so that less heat will get above to the control head.