

8.01.02

Mounted thermal fuse



>> Description

Most of Backer's heating elements can be equipped with a thermal fuse. This design offers a big advantage when compared to a separately mounted thermal cut-off.

Elements with diam. 8.5 or 14 mm can be equipped with a replaceable thermal fuse. The silicone rubber bushing containing a thermal fuse is pulled out from the element with a suitable tool. A new unit is then easily mounted.

In elements with permanently mounted fuse the thermal fuse is moulded with compound at the sealing operation and is not replaceable. When the thermal fuse has tripped, the element must be replaced.



Tubular element with mounted thermal fuse.

>> Technical specification

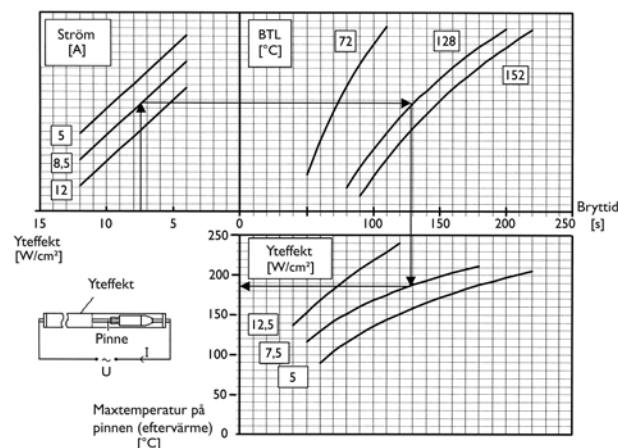
Cut-off temperature To establish correct cut-off temperature, measurements have to be done under normal condition. The cut-off temperature is recommended to be at least 25–30°C above the maximum temperature of the thermal fuse at normal operation.

Connection With permanently mounted thermal fuses normal flat pin connectors can be used. As an alternative connection cables can be spot welded directly on the terminal pin. Round pin connectors are preferred when replaceable thermal fuses are used.

Standard Heating elements with mounted thermal fuse are approved by SEMKO, VDE och UL.

Safety EN 60691

Cut-off temp Stand. 66°C, 72°C, 91°C, 98°C, 109°C, 128°C, 141°C, 152°C, 184°C, 215°C, 228°C
Tol. 0/-4°C



Tube diam	Re-placable	Perm. mounted	Number of fuses
Ø 6,4 mm		X	1
Ø 8,5 mm	X	X	1
Ø 14 mm/2	X	X	1-2
Ø 14 mm/3	X	X	1-3

>> Benefits

- Compact design
- No extra cable connection is required
- Premounted inside the element
- Reliable function, power is cut close to the heating source
- Low total cost for the function

>> Fields of application

- Washing machines
- Dish washers
- Coffee machines
- Photographic processors
- Air heating with forced air flow



Washing machine