

DEFROSTING ELEMENTS PRODUCT RANGE



**Backer
Elektro CZ**

ELECTRICAL HEATING ELEMENTS



Member of NIBE group, Sweden



Backer Elektro CZ

ELECTRICAL HEATING ELEMENTS FOR DEFROSTING

Technical design is based on standard tubular heating elements with special attention to high quality of sealing of ends, including connecting cables. Used material, special design and quality of production enable application of the whole element in humid, steamy or icy working environment or environment where it has to resist various atmospheric influences.



Fields of application

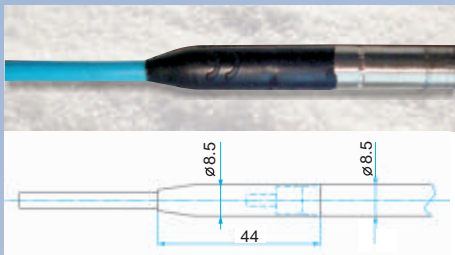
- defrosting devices
- cooling devices
- air-conditioning units
- compressors
- electric motors
- outdoor appliances

The quality of production process of heating elements for defrosting with vulcanized rubber connection of $\varnothing 8.5$ mm is approved by VDE certificate.

Heating element dimensions	$\varnothing 6.4$ mm	$\varnothing 8.5$ mm	$\varnothing 8.5$ mm one-side design	6.2x11.5 mm
Maximum length	4 000 mm	8 300 mm	4 200 mm	3 800 mm
Sheath material	DIN 1.4541, DIN 1.4404	DIN 1.4301, DIN 1.4876 (INCOLOY 800)		DIN 1.4435

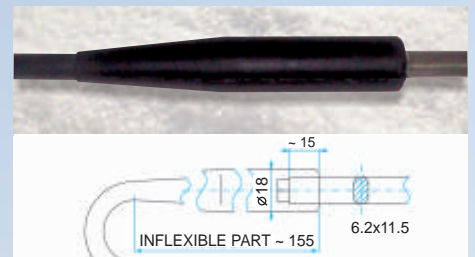
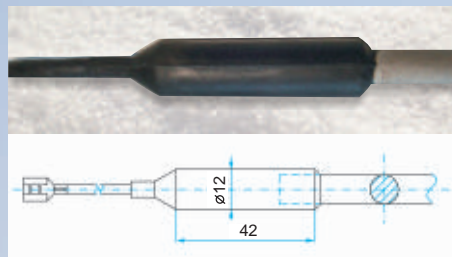
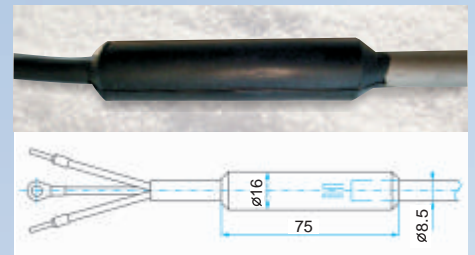
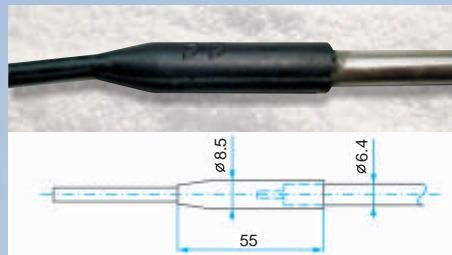
RUBBER ENCLOSURES OF HEATING ELEMENTS

Waterproof connections. Heating element outlets are connected to cable leads and covered with vulcanized rubber connection. Temperature resistivity is from -40°C till $+120^{\circ}\text{C}$.



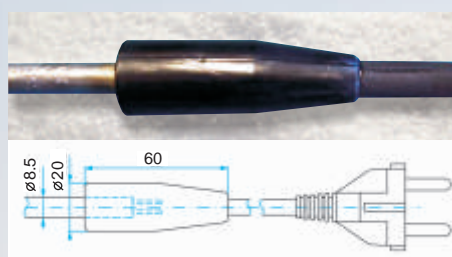
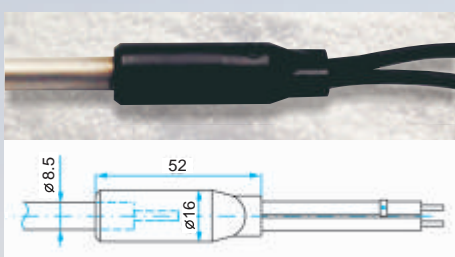
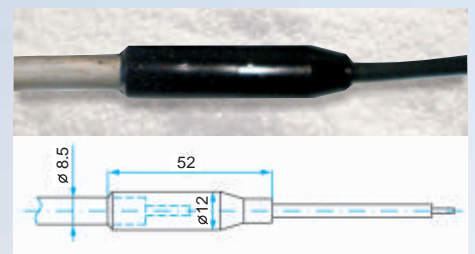
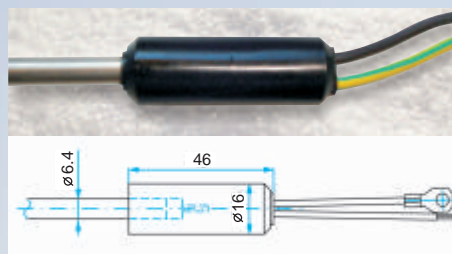
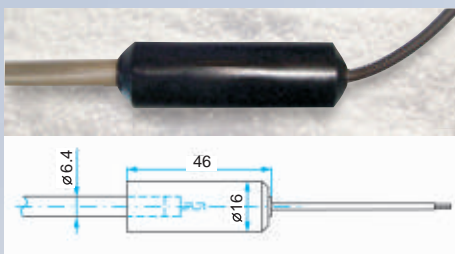
MINIVULCANIZATION

Unique solution having diameter of the vulcanized part equal to the element diameter.
Minimum assembly space required.



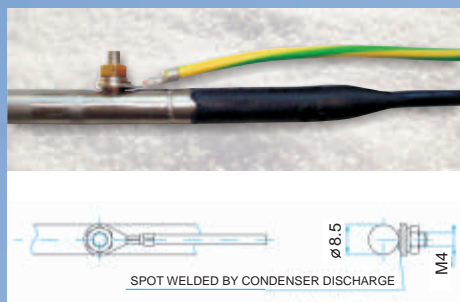
PLASTIC ENCLOSURES OF HEATING ELEMENTS

Waterproof connections. Heating element outlets are connected to cable leads and covered with sealed plastic connection.

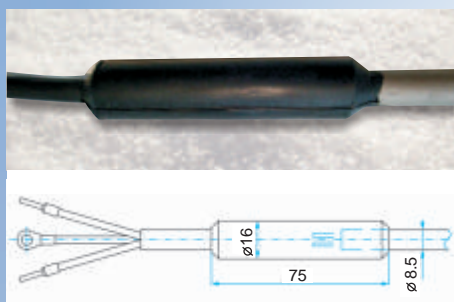


CONNECTION OF PROTECTIVE EARTH CABLE

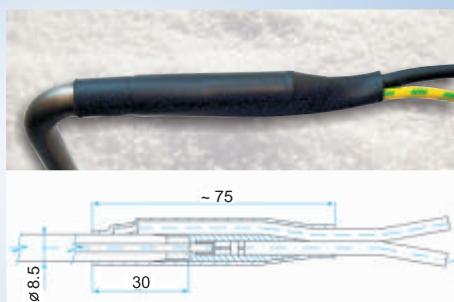
Earthing cable connected on the heating element sheath by means of spot welded bolt with a nut.



Earthing cable soldered on the heating element sheath can be optionally covered with vulcanized connection.

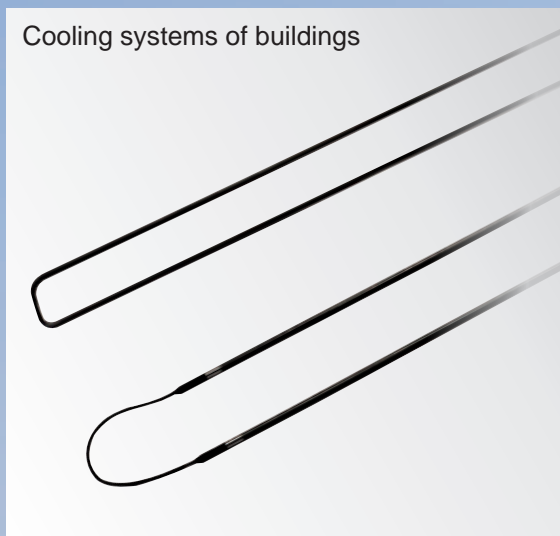


Earthing cable soldered on the heating element sheath can be optionally covered with shrink tube.



EXAMPLES OF DEFROSTING ELEMENTS APPLICATIONS

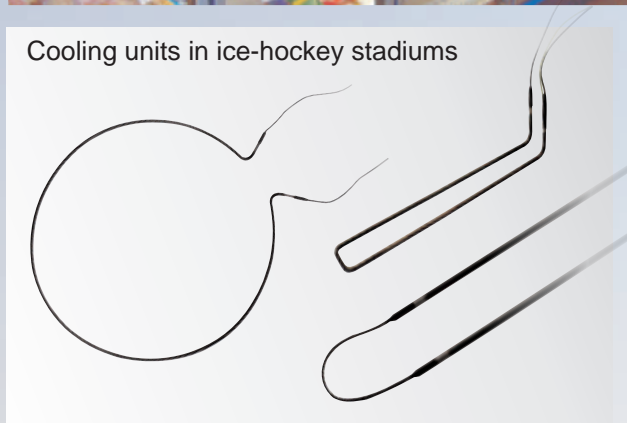
Cooling systems of buildings



Cooling boards, show cases, boxes in food industry



Cooling units in ice-hockey stadiums



Quality management system at Backer Elektro CZ is certified with ISO 9001:2000 Certificate issued by KEMA Quality B.V. Achieved quality level is regularly audited according to corresponding standards.



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