

Properties

Backer standard range of PTC cartridge heaters in stock intended for defrosting, frost protection and evaporation of condensing water are suitable as heat sources for instance in freezing- and cooling equipment, climate plants etc.

The PTC heater is self-regulating i.e. it will automatically adjust its power consumption until it reaches the pre-set desired switching temperature (Curie point or T_c). Other advantages are increased safety, rapid and uniform heating without power variation, energy saving, no risk for overheating, no need for extra thermal protection and a long lifetime. Same heater can be used for either air or liquid heating.

Technical specification

Material	Tubular element Ø12 mm in acidproof stainless steel EN 1.4404/AISI 316L Vulcanized rubber sleeve in EPDM
Insertion length tolerance	$L \pm 3\%$
Electric connection	Cable REV 3x0,75 mm ² length 4000 mm
Voltage	110-240V
Power	As below at 230V respectively 110V in water 0°C and stationary air 20°C
Surface temperature	200°C
Security	Complies to requirements acc. EN 60335-1

Standard assortment

Power in water/air at 230V	Power in water/air at 110V	Element length L mm	Article no
140/15 W	100/15 W	121	2550885103
230/20 W	160/20 W	171	2550885102
330/25 W	205/25 W	221	2550885101

