



## 2017 Product Overview

### Steam Heaters and Heat Tracing for Impulse Lines

Sketch	Type Designation	Description	Material
<b>Steam-/ Glycol / Hot Water Heaters</b>			
	<b>DHU VA</b>	<b>Finned tube steam heating element</b> for all types of enclosures	St. steel
	<b>MICROSTEAM 155</b>	<b>Steam/Hot Water/Glycol Heater</b> Connection: Stainless steel tube of 12 mm outside diameter. Accessories and mounting recommendations as per INTERTEC Electric Heaters Type ...THERM.	Aluminium/ st. steel
	<b>MULTISTEAM 225</b>		
	<b>SLIMSTEAM 225</b>		
	<b>VARISTEAM 120</b>		
	<b>MEGASTEAM 225</b>		
		<b>Option:</b> Connection stainless steel tube of 14 mm outside diameter	
	<b>TV/SC-A-G-12 mm</b>	<b>Control valve</b> , setpoint 10 °C or, as per customer's request, up to 100 °C suitable for steam/ hot water/ glycol with 12 mm fittings for pipe connection	St. steel
<b>TV/HAT-G-12 mm</b>	<b>Steam trap valve</b> setpoint 80 °C or as per customer's request	St. steel	
<b>Temperature controllers for heat tracing cables</b>			
	<b>TC ATEX D E1 Sii J</b>	<b>Electronic temperature controller (digital)</b> with integrated Ex e terminal space and intrinsically safe sensor cable (E1 = 1 m long) ii = setpoint temperature in °C setpoint adjustable via software as an option; for parameterization of the controller see SMART HEATER software (price list "Ex Heaters, Thermostats, Controllers" page 3)	min. 60 W max. 2300 W
	<b>TAE ii</b>	<b>Thermostat</b> With tight closed setpoint ii = -15, 10, 20, 30, or 40 °C	250 V AC 10 A
	<b>TAE 5 AM</b>	<b>Failure alarm</b> Potential-free failure alarm junction opens at <=5 °C	250 V AC 10 A

Subject to technical changes, printing errors and price increases due to rising raw material costs. Not all the options can be combined.

Extra fees on mounting. All stainless steel components are made of SS316. Not all the options can be combined.


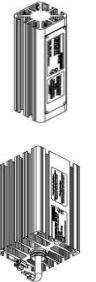
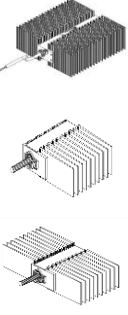
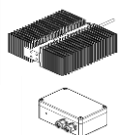
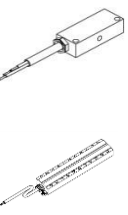
The listed prices are ex works (INCOTERMS 2010), uncleared, packing extra, plus V.A.T. (if applicable). Prices are subject to change without notice.

Payment : 10 days 2%, 30 days net.

Place of performance is Neustadt on the Donau, Germany and jurisdiction is Ingolstadt on the Donau, Germany.

# 2017 Product Overview

## Heaters (for non-hazardous areas)

Sketch	Type Designation	Description		Nom. Power	
<b>Electric Heaters, Convection Style</b>					
	E 155	Heater of finned aluminium profile with thermostat +5 °C...+45 °C incl. mounting brackets & bolts	IP30	500 W/ 230 V	
	E 156			250 W/ 230 V	
	E 158			500 W/ 250 V	
	E 159			500 W/ 120 V	
	E 160			260 W/ 120 V	
	CP MICROTHERM NNA 25 TS	Heater for vertical installation with freeze protection thermostat integrated in the cable * N= 155 mm (height of the heater) P= 225 mm (height of the heater) T= 325 mm (height of the heater)	IP68	25 W	
	CP MULTITHERM NNA 50 TS			50 W	
	CP MULTITHERM NNA 75 TS			75 W	
	CP MULTITHERM NNA 100 TS			100 W	
	CP MULTITHERM NNA 150 TS			150 W	
	CP MULTITHERM NPA 200 TS			200 W	
	CP MULTITHERM NPA 250 TS			250 W	
	CP MEGATHERM NTA 600 TS			600 W	
	CP VARITHERM NPA 200/40 TS			Finned profile heater for horizontal and vertical installation, with standard mounting accessories (2 mounting brackets in plated steel), with freeze protection thermostat integrated in the cable *	IP68
CP VARITHERM NPA 300/60 TS	300 W				
CP VARITHERM NPA 400/80 TS	400 W				
CP VARITHERM NPA 500/100 TS	500 W				
	SL MINITHERM NLA F 60	Electric heater of finned aluminium profile PTC- heater, self-limiting for nominal voltages 110–265 V (F=fins on one side, D=fins on both sides)	IP68	60 W	
	SL MINITHERM NLA D 70			IP 68	70 W
	SL MINITHERM NLA F 90			IP54	90 W
	SL MINITHERM NLA D 100			IP54	100 W
	SL MEGATHERM NTA			IP68	300 W
	SL QUADRATHERM NLA			IP68	80 W
<b>SMART HEATER for Temperature Maintenance</b>					
	CP VARITHERM NPA 500 120 HI	Special heater of electric limiter, for combination of digital controller TC N D E1 Sii J designed for high temperatures		500 W	
	TC N D E1 Sii J	Electronic temperature controller (digital) with integrated terminals and sensor cable (E1=1 m long)		min. 60 W max. 2300 W	
		see price list PL550 Ex heater			
<b>Electric Heaters, Conduction Style</b>					
	NANOTHERM A 10	Heating block of aluminium A = 20 x 58 x 77 mm B = 20 x 30 x 75 mm	IP54	10 W	
	NANOTHERM A 15			15 W	
	NANOTHERM B 10			10 W	
	NANOTHERM B 15			15 W	
	SL BLOCKTHERM NKA B 50	Heating block of aluminium PTC-heater, self-limiting for nominal voltages 110–265 V Length K=90 mm, P=225 mm	IP68	50 W	
	SL BLOCKTHERM NKA B 80			80 W	
SL BLOCKTHERM NPA	150 W				
<b>Accessories</b>					
	D 9025	Junction Box with 5 terminals and 4 plugs EST 13.5	IP54		
	RT-SSR	Room thermostat Adjustment range 10 °C...60 °C	IP30	10 A	
	TAE ii N	Room thermostat with tight abandoned set point ii = -15, -10, 10, 20, 30 oder 40 °C	IP68	250 V AC/ 10 A	

CP= Constant Power; SL= Self limiting

\* Heaters suited for higher room temperatures upon request

Nominal voltage 230 V AC, standard cable length 1 metre, extra charge for other lengths (consult factory)