

# Universal PTC Heat Register (round design)



## Typical Applications

Air pre-heating (defroster protection) and air re-heating in ventilation equipment

## Characteristics

- high reliability
- self regulating PTC units
- modular design
- low pressure loss
- potential-free components

## Technical Specifications

Type	125/40/1/Q	125/130/2/L	125/130/3/L	100/40/1/Q	100/20/1/Q
Power at approx.300m <sup>3</sup> /h	300W	750W	900W	280W	160W
Profile length	40mm	130mm	130mm	40mm	20mm
Quantity of PTC heaters	1	2	3	1	1
Dimensions (for direct installation into folded spiral-seam pipe)	DN125	DN125	DN125	DN100	DN100
Voltage	AC 50/60 Hz, 110 V to 240 V				
Inrush current at 240 VAC	max. 2,5 A per installed PTC heater rod				
Max. surface temperature in still air	Standard: 200°C (optional 120°C to 200°C)				
Protection class	I (Protection class II can be achieved with suitable protective measures during installation)				
IP protection class	IP 33				
Connections	standard length 200 mm, stripped ends 10 mm tin-plated				
Pressure loss	ζ 0,7	ζ 1,6	ζ 1,6	ζ 0,9	ζ 0,9
Unsusceptible to	salty air				
Minimum operating temperature	-40° C				

## Type identification:

Pipe diameter / profile length / quantity PTC units / installation of PTC unit

Pipe diameter: installation in indicated pipe diameter  
on stock: DN100 and DN125

Profile length: length of heat conducting profile  
on stock: 20mm, 40mm, 130mm

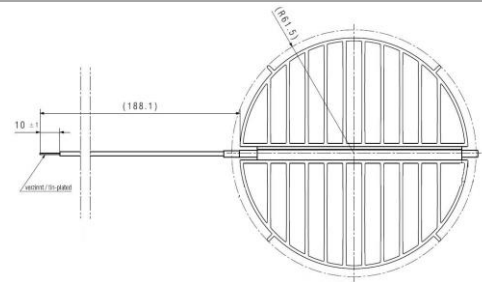
Quantity of PTC heaters: quantity of installed PTC heater rod  
on stock: for profile length 20mm and 40mm 1 PTC, for profile length 130mm 2 or 3 PTC

Installation of PTC heaters: PTC heater rod along (L) or across (Q) flow direction (observe the corresponding connection outlets)  
currently possible: for 20mm and 40mm Q, for 130mm L or Q

**Example:**  
125/130/2/L  
(see right photo above)

**Explanation:**  
installation in DN125mm pipe, heat conducting profile length 130mm,  
2 PTC heater rods installed along (L) flow direction

Options: more sizes as well as completely assembled heating systems on request



100 % electrical inspection of the article during production. Quality documents are not part of the scope of delivery.

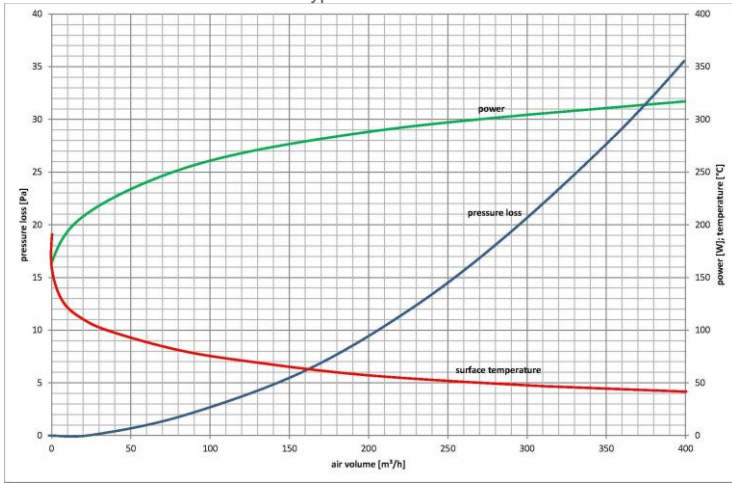


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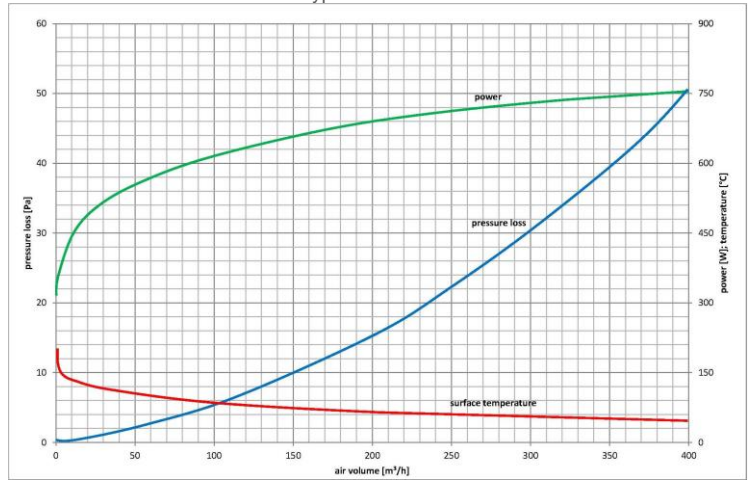


## Technical Measurement Data

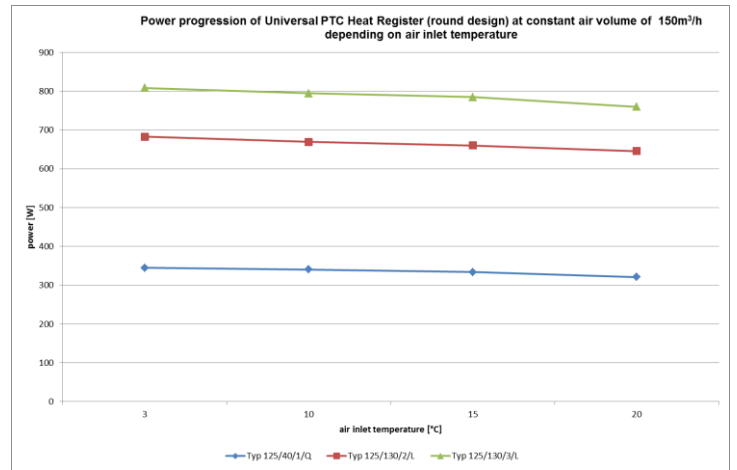
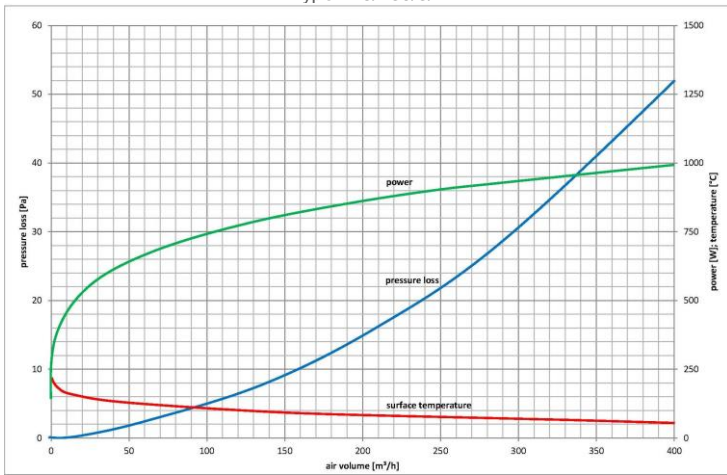
Type 125/40/1/Q



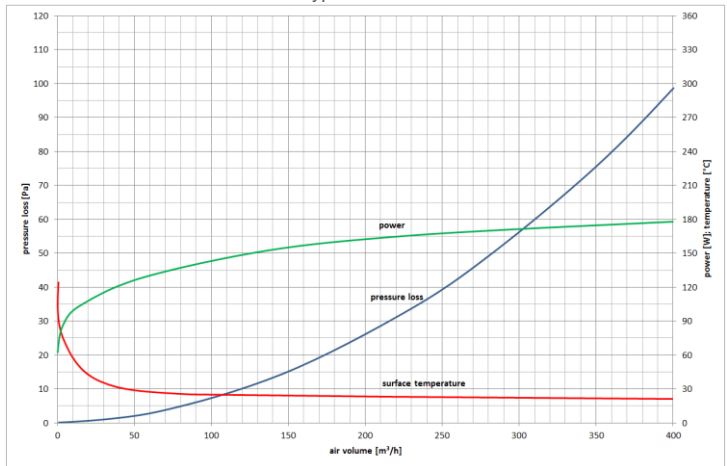
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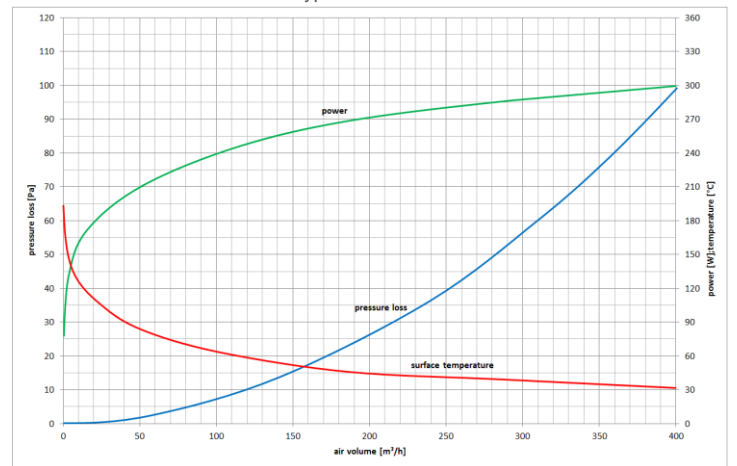
Type 125/130/3/L



Type 100/20/1/Q



Type 100/40/1/Q



Technical modifications reserved



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**Eichenauer Inc.**

292 Sunapee Street · Newport NH 03773-1232  
 ☎ +1 (603) 863-1454 · 📠 +1 (603) 863-1248 ✉ [info@eichenauerusa.com](mailto:info@eichenauerusa.com)  
[www.eichenauerusa.com](http://www.eichenauerusa.com)

