



Thumble dryer



Compartment heater



Dehumidifier

3.01.00 PTC element – Positive Temperature Coefficient

PTC elements offer many advantages such as quick and uniform heating of the element and no power variation despite the presence of air flow. They have a self-regulating function and a long life-time. There is no risk of overheating. PTC technology is also used in tubular and flexible elements.

>> Material

PTC termistors and aluminium strips, joined with soldering and gluing.
Possibly frame of heat resistant plastic

>> Fields of application

Air heaters
Drying appliances
Compartment heaters
Warming plates
Glue guns
Tool heating
Heating systems for vehicles
Dehumidifiers
Tumble Driers

>> Assembly

Assembly in a frame of heat resistant plastic
In-building in the actual application
Casting in heat resistant plastic
Customer specific aluminium profiles

>> Connection

Voltages: 110-400 VAC, 12-36 VDC

>> Types

Heating elements
Immersion heaters
Heating chips
As accessory to heating elements
As accessory to flexible elements

>> Others

Switching temperature: Curie point min 50°C,
max 260 °C



Example of product design