

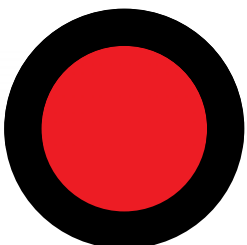


winkler



**PARALLEL HEATING TAPE  
WBP00185 AND WBP00260**

2011-08



### Applications

Frost protection heating, temperature maintenance, as well as heating of dilution tunnels, pipeline systems, filters, etc.  
To ensure the service life of the heating strips, we recommend the use of a temperature regulator.

### Characteristics and Advantages

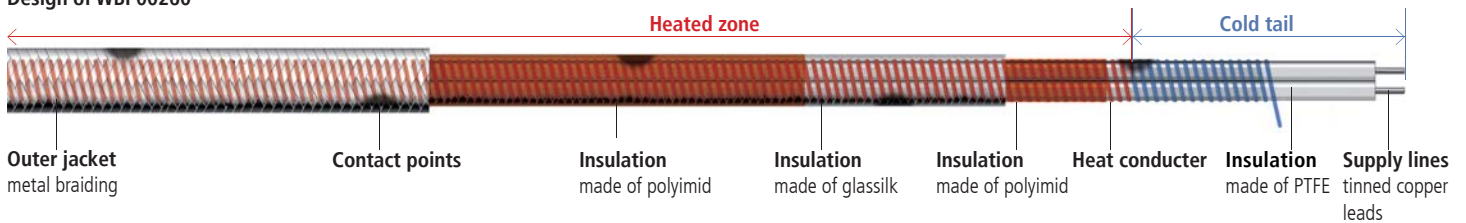
- constant output per unit of length (regardless of temperature)
  - WBP00185 can be assembled in up to 100 m of heat circuit length
  - WBP00260 can be assembled in up to 75 m of heat circuit length
- integrated power cable, no additional connection required
  - easy configuration and assembly on site

- great flexibility
  - also suited for heating complicated isometries
- high heat resistance
  - WBP00185 (switched off at 200 °C) for process temperatures to 120 °C
  - WBP00260 (switched off at 260 °C) for process temperatures to 200 °C
  - customer-specific length configuration ex factory is possible

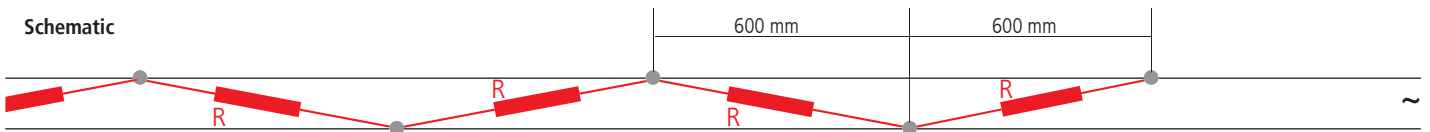
### Design of WBP00185



### Design of WBP00260

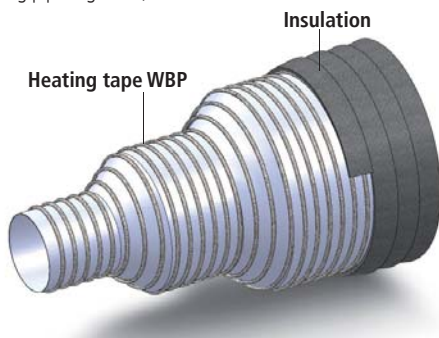


### Schematic



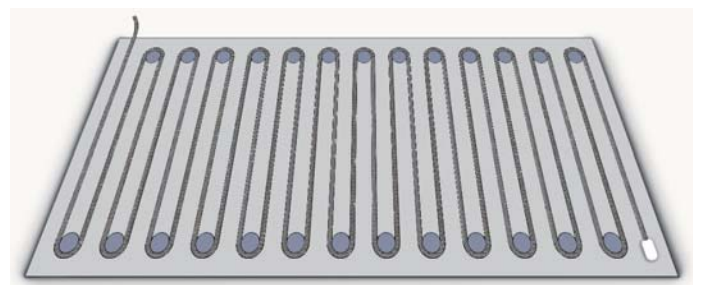
### Example applications

Heating pipe segments, such as for CVS dilution tunnels



### Example applications

heating of level surfaces



Technical data	Heating Tape WBP00185	Heating Tape WBP00260
Operating voltage	230 V AC or 400 V AC	230 V AC
max. permissible operating temperature	on 120 °C	on 200 °C
	off 200 °C	off 260 °C
Power	40W/m	60 W/m
Length	max. length of heating circuit 100m	max. length of heating circuit 75 m
Dimensions	B × H = 10,5 × 6,5mm	B × H = 8 × 5 mm
min. bending radius	25 mm	25 mm
Weight	140 g/m	110 g/m
Test voltage	2000 V AC	2000 V AC
Operating temperature range	-70 °C - 200 °C	-70 °C - 260 °C
Insulation material	Silicone/Silicone	PTFE/Polyimid



Material sold by meter for self assembling



Factory terminated with connecting cable

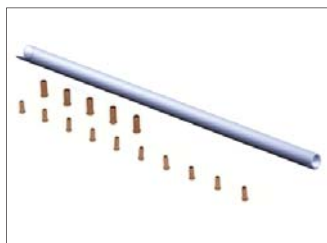
- **Art.-No. WBP00185-230XX120-LLLLX040**  
230 VAC; delivery time ca. 2 weeks
- **Art.-No. WBP00260-230XX200-LLLLX060**  
230 VAC; delivery time ca. 2 weeks
- **Art.-No. WBP00185-115XX120-LLLLX040**  
115 VAC; upon request
- **Art.-No. WBP00185-400XX120-LLLLX040**  
400 VAC; upon request

## ZUBEHÖR TYP WBP

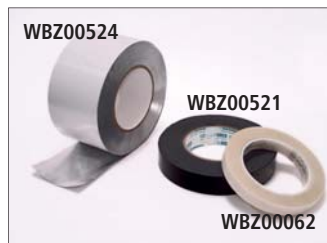


**Art.-No. WBZ00060**  
Assembling set  
Bonds with silicone adhesive **WBZ00061** (ordered separately)  
The set is sufficient for five heating tapes

**Art.-No. WBZ00061** Tmax = 200 °C  
Elastic silicone adhesive (85 ml)



**Art.-No. WBZ00260** Tmax = 260 °C  
Assembling set  
Bonds with silicone adhesive **WBZ00061** (ordered separately)  
The set is sufficient for five heating tapes



**Art.-No. WBZ00524** Tmax = 80 °C  
Adhesive tape: Aluminum foil  
100 m, width 75 mm  
**Art.-No. WBZ00521** Tmax = 80 °C  
Adhesive tape: Textile tape  
50 m, width 25 mm  
**Art.-No. WBZ00062** Tmax = 200 °C  
Adhesive tape: Glasfabric tape  
33 m, width 12 mm



**Art.-No. WBZ00102** Tmax = 300 °C  
Aluminum foil for effective heating  
Length 150 m, width 300 mm



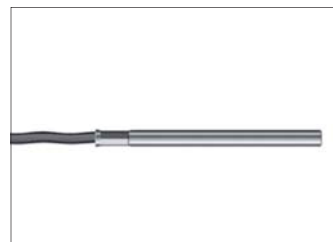
**Art.-No. WZX00187** - 40 °C bis +90 °C  
Terminal enclosure for heating tapes  
· Housing made of polyester, grey  
· Protection standard IP 65, UV-proof  
· Mounting rail TS 35 mounted on distance sleeve  
· 2 PE-terminal blocks USLKG 4, green/yellow  
· 4 terminal blocks UK 5, grey  
· 2 bridges  
· Cable insertion top:  
2 blind plugs PG 16  
· Cable insertion below:  
2 cable glands PG 16  
· Dimensions B × H × T: 118 × 90 × 120 mm



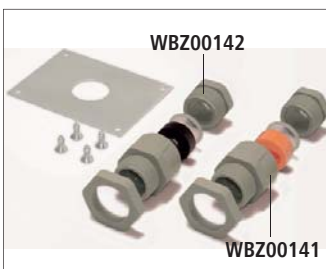
**Art.-No. WZX00186** - 40 °C bis 90 °C  
Terminal enclosure for sensor  
· Housing made of polyester, grey  
· Protection standard IP 65, UV-proof  
· Mounting rail TS 15 mounted on distance sleeve  
· 3 terminal blocks MBK 205, grey  
· cable insertion below:  
2 × PG 11 cable glands  
· Dimensions B × H × T: 75 × 55 × 80 mm



**Art.-No. WRW-200**  
**Standard equipment**  
· Robust housing IP 54  
· Universal power supplier 90 ... 250 V, 50 ... 60 Hz  
· Single button operation (inkremental encoder)  
· Low-wear relay in hybrid circuit 10 A / 16 A  
· PID-control with self-optimisation or thermostat function  
· Operating hours meter  
· Sensors types Pt100, Pt1000, thermocouple Typ K und Typ J  
· Dimensions B × H × T: 150 × 206 × 100 mm



**Art.-No. WFMP1250** Tmax = 250 °C  
Sensor Pt 100 two wire  
· Length 50 mm  
· Diameter 4 mm  
· Cable length 3,0 m



**Art.-No. WBZ00141**  
Insulation bushing PG16  
to put the heating tape through  
**Art.-No. WBZ00142**  
Insulation bushing PG16  
to put the connecting cable through



**Art.-No. WBZ00541**  
Mounting angle and screws made of stainless steel for mounting terminal enclosures and temperature controllers on pipe segments.



**Art.-No. WBZ00542**  
Steel band incl. 1 lock  
length 1,0 mm  
for mounting **WBZ00541**



**Art.-No. WZX00531**  
Warning sign, adhesive  
„Elektrische Begleitheizung“

Winkler GmbH is an independent, medium-sized company located in Heidelberg (Germany). For more than 30 years we have been developing and manufacturing a broad range of electric heating solutions for industry and laboratory applications.

**We supply reliable and durable products made of high-quality materials.**

We are the right partner for innovative and quick answers to your requirements. Customized solutions and flexible manufacturing are our particular strengths. Our experienced specialists will offer you sound advice and - together with you - develop the heating solution tailored to your application.

**Winkler - Your heating solution!**



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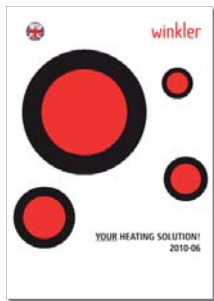


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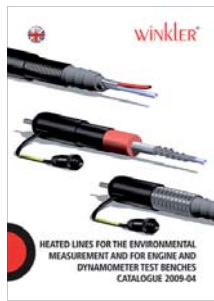
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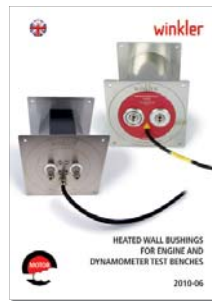
**Our product range**



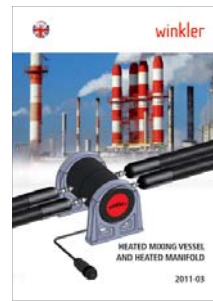
Company presentation



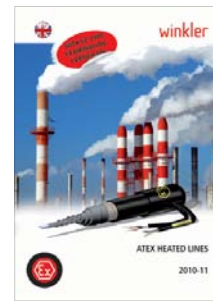
Heated lines



Heated wall bushings



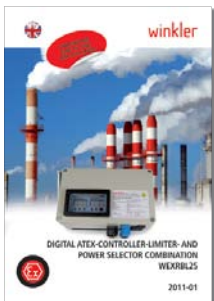
Heated mixing vessels and manifold



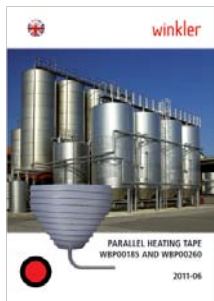
Atex Heated lines



Heated hoses



ATEX Digital controller, limiter and power selector



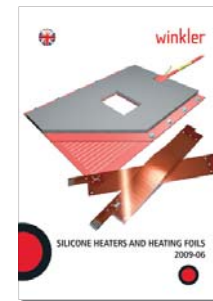
Parallel heating tapes



Temperature control unit for wall mounting



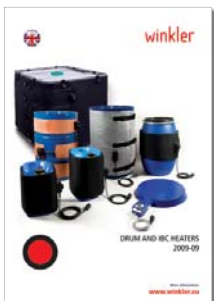
Heating jackets



Silicone heaters & heating foils



Laboratory heaters



Drum and IBC heaters



Heating solutions for rail application

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