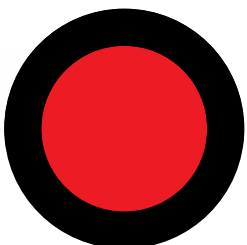




winkler



**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

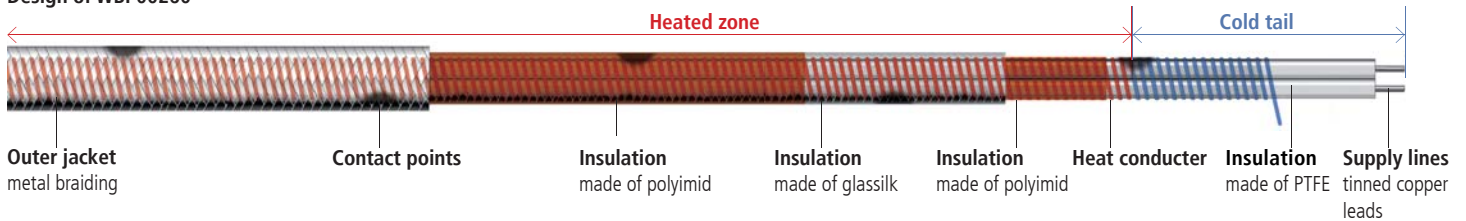
- constant output per unit of length (regardless of temperature)
 - WBP00185 can be assembled in up to 100 m of heat circuit length
 - WBP00260 can be assembled in up to 75 m of heat circuit length
- integrated power cable, no additional connection required
 - easy configuration and assembly on site

- 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

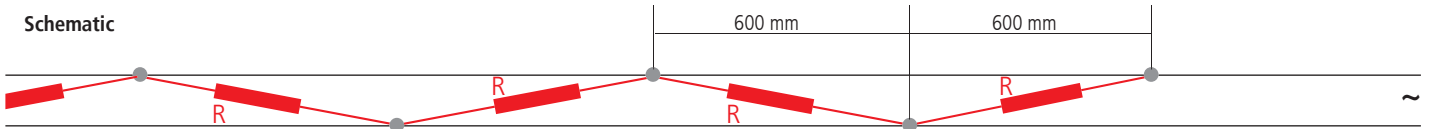
Design of WBP00185



Design of WBP00260

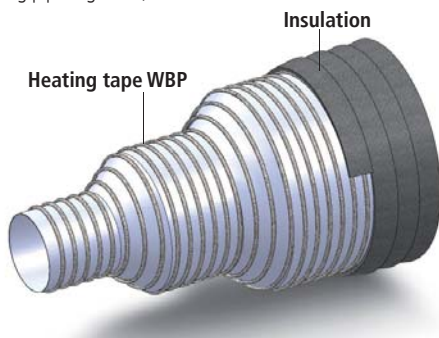


Schematic



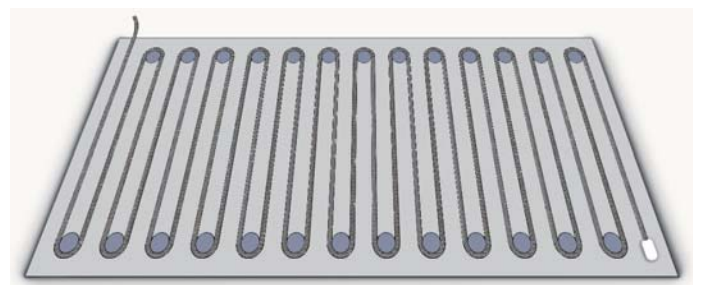
Example applications

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 off 200 °C	on 200 °C off 260 °C
Power	40 W/m	60 W/m
Length	max. length of heating circuit 100 m	max. length of heating circuit 75 m
Dimensions	B × H = 10,5 × 6,5 mm	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

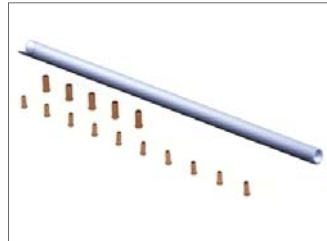
- **Art.-No. WBP00185-230XX120-LLLLX040**
230 VAC; delivery time ca. 2 weeks
- **Art.-No. WBP00260-230XX200-LLLLX060**
230 VAC; delivery time ca. 2 weeks
- **Art.-No. WBP00185-115XX120-LLLLX040**
115 VAC; upon request
- **Art.-No. WBP00185-400XX120-LLLLX040**
400 VAC; upon request

ZUBEHÖR TYP WBP

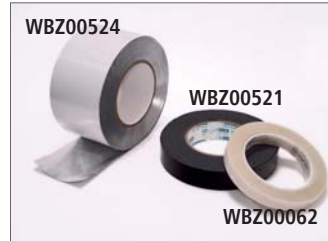


Art.-No. WBZ00060
Assembling set
Bonds with silicone adhesive **WBZ00061** (ordered separately)
The set is sufficient for five heating tapes

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 PG 16
to put the heating tape through
Art.-No. WBZ00142
Insulation bushing PG 16
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!



Our headquarter



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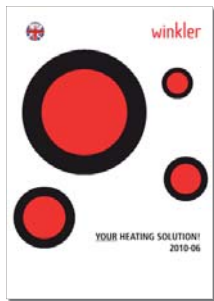


Your contact:
Wolfgang Weis
Sales Manager OEM
Surface Heaters

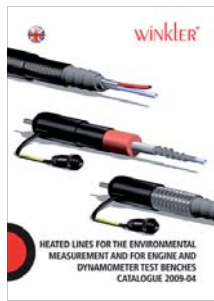
Tel: +49-6221-3646-20
Fax: +49-6221-3646-40

w.weis@winkler.eu

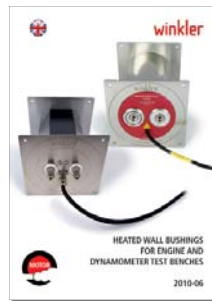
Our product range



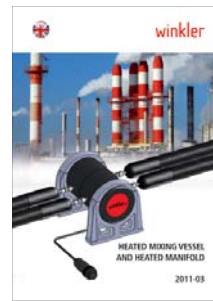
Company presentation



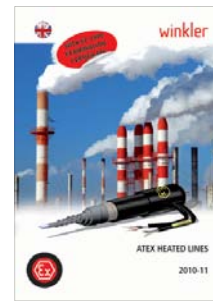
Heated lines



Heated wall bushings



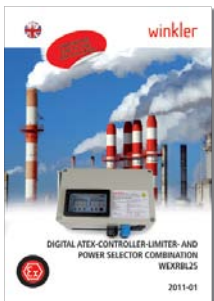
Heated mixing vessels and manifold



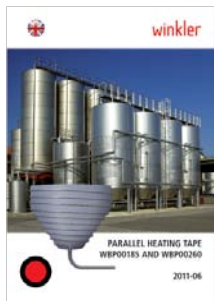
Atex Heated lines



Heated hoses



ATEX Digital controller, limiter and power selector



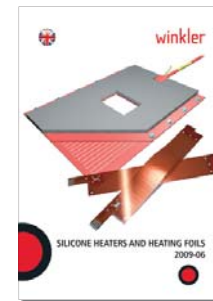
Parallel heating tapes



Temperature control unit for wall mounting



Heating jackets



Silicone heaters & heating foils



Laboratory heaters



Drum and IBC heaters



Heating solutions for rail application

Winkler in AUSTRIA

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