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DRUM, CONTAINER AND GAS CYLINDER HEATERS



rapidLine Drum, Container and Gas Cylinder Heaters
Silicone Band Drum Heaters
Canister Heaters
Base Drum Heaters
Drum Accessories
Hazardous Area Drum, Container and Gas Cylinder Heaters

WHY CHOOSE SOLUTIONS DESIGNED AND MANUFACTURED BY WINKLER AG?

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- Innovative technology for faster and more efficient heating
- Short delivery times from stock
- High quality due to 100 % product final inspection testing
- All products tested and proven for their applications
- ISO9001 and ATEX certified manufacturer with over 45 years of experience

LEADING TECHNOLOGY FOR ANY APPLICATION

Winkler drum, container, and gas cylinder heaters can be found, for example, in the adhesive industry, filling and dosing technology, the chemical, pharmaceutical and food industries, medical technology, and in research and development. The heaters are used whenever a liquid, viscous or molten medium needs to be frost protected or constantly maintained at a specified temperature.

STANDARD SOLUTIONS FROM STOCK

Short supply time! Most standard products are available from stock and can be delivered within a reasonably and acceptable short time period.

SPECIAL SOLUTIONS FOR SUPPLIERS AND RETAILERS

Depending on quantity, the solutions offered in this catalogue can be specifically tailor-made in a different colour and/or customised with your company brand labelling and logos.

WINKLER QUALITY

We only use high-quality, tested and proven materials and components and make no compromises when selecting and working with our suppliers.

This and **testing 100% of the products before shipment** offers the user a solution they can rely on and a long service life, even under heavy use. We use a quality management system certified to ISO 9001:2015 and are a certified manufacturer in accordance with Directive 2014/34/EU (ATEX).

Put your trust in our experience and convince yourself of our quality and efficiency!



TABLE OF CONTENTS

rapidLine DRUM, CONTAINER, AND GAS CYLINDER HEATERS APPLICATIONS	4-19
Faster heating and high temperature accuracy	
rapidLine Drum Heaters	
WODP Drum Heaters for up to 90 °C	
WODT Drum Heaters for up to 200 °C	
rapidLine IBC Heaters	
WOCPIBC Heaters for up to 90 °C	
rapidLine Gas Cylinder Heaters	
WOBP Gas Cylinder Heaters for up to 50 °C	
SILICONE BAND DRUM HEATERS	18-21
WODS Silicone Band Drum Heaters for up to 120 °C	
WODD0201 Insulation Jacket	
CANISTER HEATERS	22-25
WODPK Canister Heaters for up to 90 °C	
BASE DRUM HEATER	26-29
WODBH Base Drum Heater for up to 150°C	
DRUM ACCESSORIES	30-33
WFMP0900 Medium Sensor for Drums and IBC's	
Temperature Controllers	
WRL430PW-0050WIN9 for Gas Bottle Heaters	
WRL430PW-0090WIN9 for Heaters up to 90 °C	
WRL430PW-0200WIN2 for Heaters up to 200 °C	
WRL430PW-0150WIN2 for Base Drum Heater	
WRL330PR In-Line Temperature Controller	
WRZF310N IR-Remote Control for Winkler Temperature Controllers	
HAZARDOUS AREA DRUM, CONTAINER AND GAS CYLINDER HEATERS	34-43
WEXHIBC IBC Heaters	
WEXHIBC Insulation Cover for IBC	
WEXHD Drum Heaters	
WEXHD20 Insulation Cover for Drum Heaters	
WEXHB Gas Cylinder Heaters	
Digital ATEX Controller / Limiter and Power Selector Combination	
WEXRBL25 for zones 1/2 (gas) and 21/22 (dust)	

rapidLine DRUM, CONTAINER AND GAS CYLINDER HEATERS

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FASTER HEATING AND HIGH TEMPERATURE ACCURACY

rapidLine Drum Heaters: WODP Drum Heaters for up to 90 °C / WODT Drum Heaters for up to 200 °C

rapidLine IBC Heaters: WOCP IBC Heaters for up to 90 °C

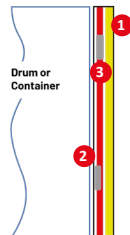
rapidLine Gas Cylinder Heaters: WOBP Gas Cylinder Heaters for up to 50 °C

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FASTER HEATING AND HIGH TEMPERATURE ACCURACY

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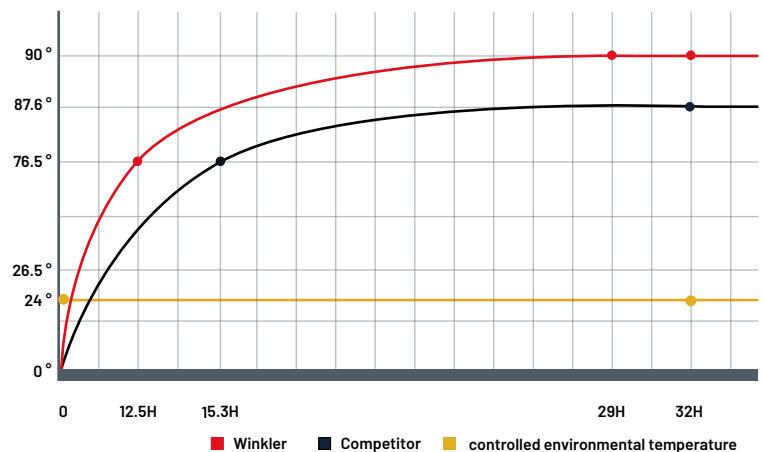
DUAL SENSOR TECHNOLOGY



- 1- Limiting sensor** coupled to heating cable
- 2- Temperature sensor** with new innovative technology or sensor with magnet for gas cylinder heaters for better heat transfer
- 3- Overtemperature bimetal switch** for additional safety. Series connected with heating cable

Rapid heat-up: 20% improved compared to common systems in the market

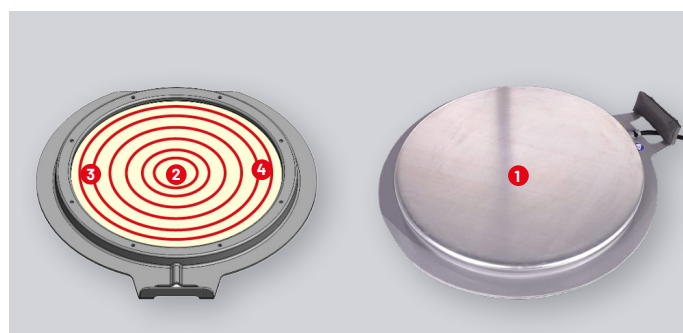
The following temperature curves and timetable are based upon: 200 liter 90 °C drum heater, 90 % filled with water, associated controller and insulation cover under the same ambient conditions.



More precise temperature using medium sensor

For better and more accurate fluid temperatures, our innovative medium sensor can be used in combination with drum and container heaters.

- 1- Medium sensor**
- 2- Limiting sensor** coupled to heating cable
- 3- Overtemperature bimetal switch** for additional safety. Series connected with heating cable
- 4- Y-adapter**



Drum Base Heater

Can be used alone in combination with our insulation jackets or in combination with our drum heaters for an even quicker heat up.

* separate controller required*

- 1- Drum base heater**
- 2- Controller sensor**
- 3- Limiting sensor** coupled to heating cable
- 4- Overtemperature sensor** for additional safety. Series connected with heating cable

LOW OPERATION COSTS

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IMPROVED EFFICIENCY

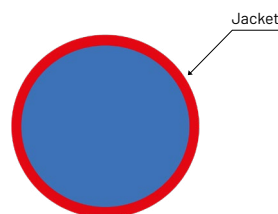


Round sewing manufacturing

We have established a great influence on the market using our long-year experience manufacturing methods and custom-made round form sewing machines. As a result, our round sewing 90 °C drum, container and gas cylinder heaters have improved surface contact and better heat transfer. This is very noticeable when comparing Winkler solutions to other heaters that are sewn on a horizontally flat sewing machine.

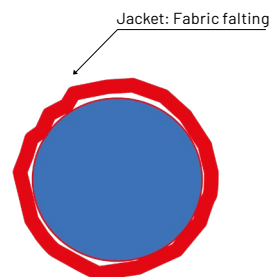


Round sewing
Good heat transfer



VS

Flat sewing
Poor heat transfer



Insulated covers

Thicker insulation covers provide better efficiency than those most commonly found on the market.



Two heating zones

Each heating zone can be controlled separately, and the upper heating zone turned OFF when the container is 50% or less full.



SERVICEABILITY

Possibility to exchange controller and/or heating mat

No need to buy a complete set in case of repair requirements, we make it possible to exchange only the controller or the heater.



and/or



rapidLine WODP DRUM HEATERS FOR UP TO 90 °C

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Used for chemicals and products in various industries; such as **food, cosmetic, science, detergent pharmaceutical**, etc. For frost protection, temperature maintenance and heat-up of storage containers of up to **90 °C**.

BENEFITS

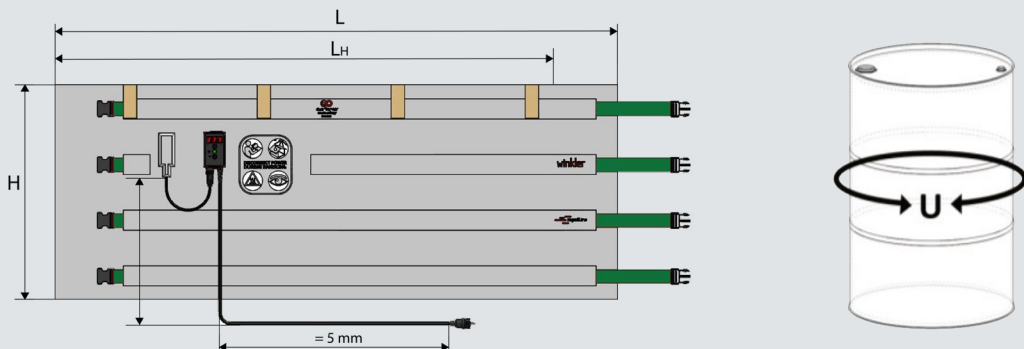
- Fast heat-up using **dualSensor Technology**
- **Low energy consumption**
- **Redundant overtemperature protection**
- **Robust industrial grade materials**
- **One-person handling**
- **Silicone free**
- **Easy bung hole access**

- 1- Water-repellent polyester fabric
- 2- Robust adjustable tension snap closures
- 3- Edge protection
- 4- Additional fastening straps
- 5- Bimetal and electrical temperature limiters
- 6- Exchangeable digital controller with inputs for two sensors



WODP TECHNICAL DATA: 90 °C

Drum Heater				
Article number	WODPX032-230ZP09#-WIN9	WODPX062-230ZP09#-WIN9	WODPX122-230ZP09#-WIN9	WODPX202-230ZP09#-WIN9
Volume	25-30 L	50-60 L	105-120 L	200-220 L
Nominal power	310 W	350 W	960 W	1.200 W
Operating voltage	230 VAC (± 10 %) (115 VAC as Option)			
Operating temperature	Up to +90 °C			
Temperature sensors	2x Pt100 integrated in heating jacket (temperature and thermal protector sensors)			
Thermal cut-out device	1x bimetal thermostat (monitor temperature 150 °C)			
Appliance class	II ☐ (appliance class I as option)			
Ingress protection	IP 54			
Connecting cable	0.3 m with 7-pole round plug for connection to controller			
All lengths +/- 2 %				
L Total length	1.150 mm	1.350 mm	1.700 mm	2.100 mm
LH Heated length	870 mm	1.100 mm	1.400 mm	1.800 mm
H Height	480 mm	520 mm	630 mm	800 mm
Umin. circumference	870 mm	1.100 mm	1.400 mm	1.800 mm
Umax. circumference	1.150 mm	1.350 mm	1.700 mm	2.100 mm
Weight	2,5 kg	3,7 kg	5,8 kg	8,5 kg



ACCESSORIES

WOIPX Drum Insulation Cover				
Article number	WOIPX030	WOIPX060	WOIPX120	WOIPX200
1. Outer sheath	Water repellent polyester fabric (+90 °C)			
2. Fastening	Hook and loop			
3. Insulation	Made of polyester fleece for the best insulation and low heat loss.			
Volume	30 L / Ø 290 mm	60 L / Ø 375 mm	120 L / Ø 455 mm	220 L / Ø 575 mm



Temperature Controller	
Article number	W6706-1156
Controller with monitor function WRL430PW-0090WIN9	
For technical data please refer to the TEMPERATURE CONTROLLERS catalogue	



customised versions (sizes, special voltages, connectors, pin assignment and sensors) available on request.

rapidLine WODT DRUM HEATERS FOR UP TO 200 °C

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Used for chemicals and products in various industries; such as **food, cosmetic, science, detergent pharmaceutical**, etc. For frost protection, temperature maintenance and heat-up of storage containers of up to **200°C**.

BENEFITS

- Fast heat-up using **dualSensor Technology**
- **Low energy consumption**
- **Redundant overtemperature protection**
- **Robust industrial grade materials**
- **One-person handling**
- **Silicone free**
- **Easy bung hole access**

- 1- Water-repellent PTFE fabric
- 2- Robust adjustable tension snap closures
- 3- Edge protection
- 4- Additional fastening straps
- 5- Bimetal and electrical temperature limiters
- 6- Exchangeable digital controller with inputs for two sensors



WODT TECHNICAL DATA: 200 °C

Drum Heater				
Article number	WODTX031-230ZP20#-WIN2	WODTX061-230ZP20#-WIN2	WODTX121-230ZP20#-WIN2	WODTX201-230ZP20#-WIN2
Volume	25-30 L	50-60 L	105-120 L	200-220 L
Nominal power	400 W	600 W	1.100 W	1.900 W
Operating voltage	230 VAC (± 10 %)(115 VAC as option)			
Operating temperature	Up to 200 °C			
Temperature sensors	2x Pt100 (temperature and thermal protector sensors) + 1x bimetal thermal cut-out device (monitor temperature 220 °C)			
Appliance class	I 			
Ingress protection	IP 54			
Connecting cable	0.3 m with 7-pole round plug for connection to controller			
All lengths +/- 2 %				
L Total length	1.150 mm	1.350 mm	1.700 mm	2.100 mm
LH Heated length	870 mm	1.100 mm	1.400 mm	1.800 mm
H Height	480 mm	520 mm	630 mm	800 mm
Umin. circumference	870 mm	1.100 mm	1.400 mm	1.800 mm
Umax. circumference	1.150 mm	1.350 mm	1.700 mm	2.100 mm
Weight	2,5 kg	3,7 kg	5,8 kg	8,5 kg



ACCESSORIES

WOITX Drum Insulation Cover				
Article number	WOITX030	WOITX060	WOITX120	WOITX200
1. Outer sheath	Water repellent PTFE fabric (+200 °C)			
2. Fastening	Hook and loop			
3. Insulation	Made of glass needle mat (+200 °C) for the best insulation and low heat loss.			
Volume	30L / Ø290 mm	60L / Ø 375 mm	120L / Ø 455 mm	220L / Ø 575 mm

A circular, dark grey drum insulation cover with three hook-and-loop fasteners labeled 1, 2, and 3. A yellow warning triangle with a flame icon is also visible on the cover.

Temperature Controller				
Article number	W3105-5651			
Controller with monitor function WRL430PW-0200WIN2				
For technical data please refer to the TEMPERATURE CONTROLLERS catalogue				

A black rectangular temperature controller with a red digital display showing '37'. It has two buttons with up and down arrows and a power button. A black cable is attached to the bottom.



customised versions (sizes, special voltages, connectors, pin assignment and sensors) available on request.

rapidLine WOCP IBC-CONTAINER HEATERS

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Used for chemicals and products in various industries; such as **automobile, pharmaceutical, transportation, food & beverage, petrochemical** and **private households** (for example, rainwater IBC). For frost protection, temperature maintenance and heat-up of storage containers of up **to 90 °C** .

BENEFITS

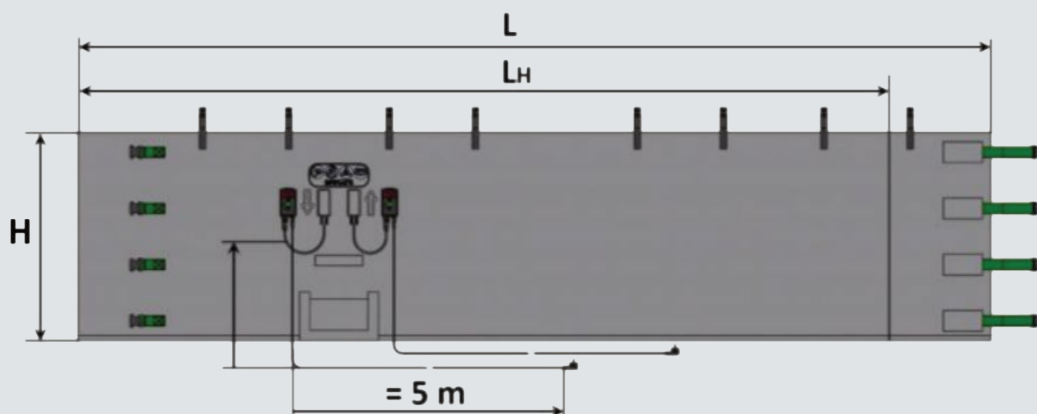
- Fast heat-up using **dualSensor Technology**
- **Low energy consumption**
- **Redundant overtemperature protection**
- **Robust industrial grade materials**
- **One-person handling**
- **Silicone free**
- **Easy drain spout access**

- 1- Water-repellent polyester fabric
- 2- Robust adjustable tension snap closures
- 3- Edge protection
- 4- Cover for drainage spout
- 5- Bimetal and electrical temperature limiters
- 6- Exchangeable digital controller with inputs for two sensors
- 7- Up to two heating zones to optimise energy consumption



WOCP TECHNICAL DATA: 90 °C

Container Heater	1 heating zone	1 heating zone	2 heating zones
Article number	WOCP1002-230ZP09#-WIN9	WOCP1002-230ZPH9#-WIN9	WOCP1002-230VP09#-WIN9
Nominal power	1.300 W	1.850 W	2.000 W
Operating voltage	230 VAC ($\pm 10\%$) (115 VAC as Option)		
Operating temperature	Up to +90 °C		
Controller	1 x Temperature controller for each heating zone (see controller)		
Temperature sensors	2x Pt100 integrated in heating jacket (temperature and thermal protector sensors)		
Thermal cut-out device	1x bimetal thermostat (monitor temperature 150 °C) per zone		
Appliance class	II ☐ (appliance class I as option)		
Ingress protection	IP 54		
Connecting cable	0.3 m with 7-pole round plug for connection to controller		
All lengths +/- 2 %	IBC Heating jacket	Insulation lid	PVC Outdoor Cover
L Total length	4.400 mm	1.000 mm	1.250 mm
LH Heated length	3.900 mm	.	.
H Height	1.000 mm	220 mm	1.060 mm
Weight (1 zone)	8,0 kg (appliance class II)		
Weight (2 zones)	10,7 kg (appliance class II)	2,0 kg	



ACCESSORIES

Temperature Controller	
Article number	W6706-1156
Controller with monitor function WRL430PW-0090WIN9 For technical data please refer to the TEMPERATURE CONTROLLERS catalogue	



customised versions (sizes, special voltages, connectors, pin assignment and sensors) available on request.

INSULATION OUTDOOR COVER FOR 1000L IBC

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WOIP1000 INSULATION COVER FOR 1000L IBC

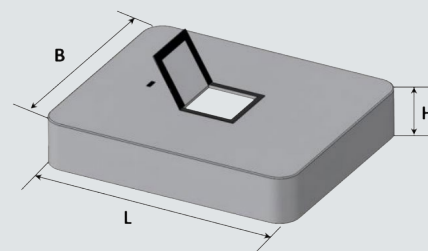
Prevents the heat from escaping and thus shortens the heating process. The opening with hook and loop allows to fill the container without removing the lid.

1. Outer sheath	Water repellent polyester fabric
2. Fastening	Hook and loop
3. Insulation	Made of polyester fleece for the best insulation and low heat loss



WOIP1000 TECHNICAL DATA: 90 °C

Max. temperature	Up to +90 °C
Ingress protection	IP54
All lengths +/- 2 %	Insulation lid
L Total length	1.175 mm
B Width	983 mm
H Height	215 mm
Weight	2,1 kg
Article number	WOIP1000



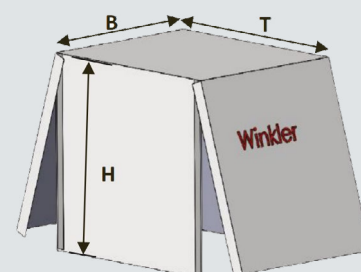
WOCV1000 PVC OUTDOOR COVER FOR 1000L IBC

1. Outer sheath	PVC glass cloth
2. Fastening	Hook and loop



WOCV1000 TECHNICAL DATA: 80 °C

Operating temperature	Up to +80 °C
Ingress protection	Protects against influences such as UV radiation, dust, and other weather influences.
All lengths +/- 2 %	PVC Outdoor Cover
L Total length	1.260 mm
B Width	1.040 mm
H Height	1.060 mm
Weight	7,5 kg
Article number	WOCV1000



rapidLine WOBP GAS CYLINDER HEATERS

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Used for frost protection, temperature maintenance, heat-up and extracting and processing gases by temperatures up to **50 °C**. Such heating jackets play an important role to **avoid icing** and **stabilise** or **increase the pressure**.

BENEFITS

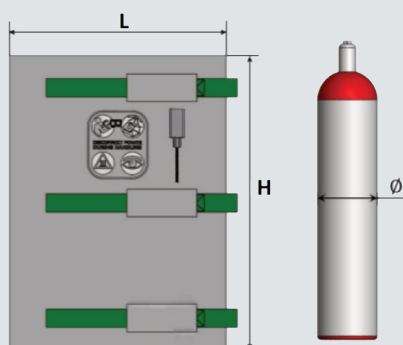
- Fast heat-up using **dualSensor Technology**
- **Low energy consumption**
- **Redundant overtemperature protection**
- **Robust industrial grade materials**
- **One-person handling**
- **Silicone free**
- **Suitable for all types and manufacturers**

- 1 - Water-repellent polyester fabric
- 2 - Robust adjustable tension snap closures
- 3 - Edge protection
- 4 - Magnetic temperature sensor
- 5 - Bimetal and electrical temperature limiters
- 6 - Exchangeable digital controller with inputs for two sensors



WOBP TECHNICAL DATA: 50 °C

Gas Cylinder Heater				
Article number	WOBP0010-230ZP140-0750MS0#	WOBP0020-230ZP230-0850MS0#	WOBP0050-230ZP230-1400MS0#	WOBP0079-230ZP318-1000MS0#
Volume	10 L	20 L	50 L	79 L
Nominal power	380W	450 W	950 W	950 W
Operating voltage	230 VAC (± 10 %) or 115 VAC (± 10 %) as option			
Operating temperature	Up to 50 °C			
Temperature sensors	2x Pt100 (temperature and thermal protector sensors) + 1x bimetal thermal cut-out device (monitor temperature 80 °C)			
Appliance class	I 			
Ingress protection	IP 54			
Connecting cable	0.3 m with 7-pole round plug for connection to controller			
All lengths +/- 2 %				
Ø Diameter	140 mm	230 mm	230 mm	318 mm
L Total length	590 mm	860 mm	860 mm	1.140 mm
H Height	750 mm	850 mm	1.400mm	1.000 mm

**ACCESSORIES**

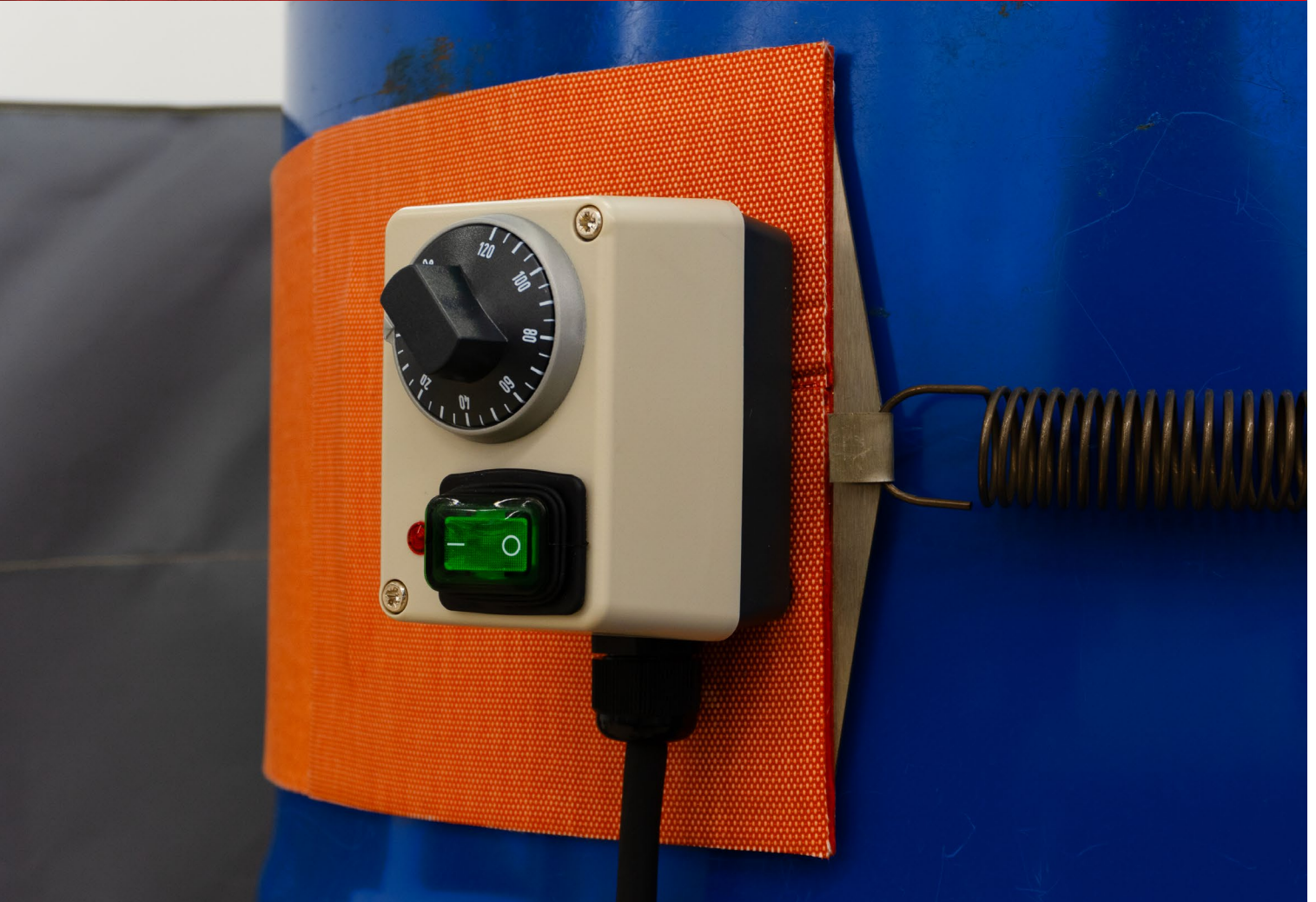
Temperature controller	
Article number	W2237-0818
Controller with monitor function WRL430PW-0050WIN9	
For technical data please refer to the TEMPERATURE CONTROLLERS catalogue	



customised versions (sizes, special voltages, connectors, pin assignment and sensors) available on request.

SILICONE BAND DRUM HEATERS

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SILICONE BAND DRUM HEATERS

WODS Silicone Band Drum Heaters for up to 120 °C

WODD0201 Insulation Jacket



WODS SILICONE BAND DRUM HEATERS FOR UP TO 120 °C

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Used for chemicals and products in various industries; such as **food, cosmetic, science, detergent pharmaceutical**, etc. For frost protection, temperature maintenance and heat-up of storage containers of up to **120 °C**.

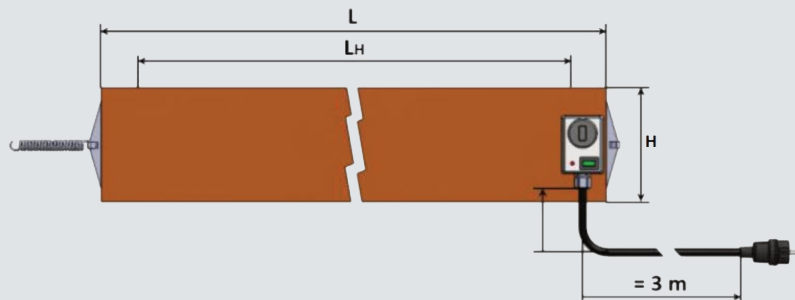
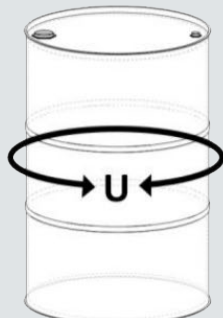
BENEFITS

- Fast heat-up
- Energy-efficient operation due to very good heat transfer
- Robust industrial grade materials
- Moisture-protected and chemical-resistant surface
- Suitable for all types and manufacturers
- One-person handling

- 1- Silicone-coated glass fibre mat
- 2- Robust spring tension closures
- 3- 3.0 m connection cable with Schuko plug
- 4- Safety capillary tube thermostat



WODS TECHNICAL DATA: 120 °C

Silicone Band Drum Heater						
Article number	WODSL030-230XC120	WODSL060-230XC120	WODSL120-230XC120	WODSL200-230XC120	WODSH200-230XC120	
Drum Volume	30 L	60 L	120 L	200-220 L	200-220 L	
Nominal power	300 W	500 W	800 W	1.000 W	1.500 W	
Operating voltage	230 V					
Operating temperature	0-120 °C					
Controller	Safety capillary tube thermostat					
Appliance class	II					
Ingress protection	IP40					
Connecting cable	3.0 m with Schuko plug					
All lengths						
L Total length	800 mm	940 mm	1.300 mm	1.665 mm	1.665 mm	2.100 mm
LH Heated length	690 mm	830 mm	1.175 mm	1.540 mm	1.540 mm	
H Height	125 mm	125 mm	125 mm	180 mm	180 mm	800 mm
Umin. circumference	920 mm	1.060 mm	1.420 mm	1.785 mm	1.785 mm	1.800 mm
Umax. circumference	980 mm	1.120 mm	1.480 mm	1.845 mm	1.845 mm	2.100 mm
Weight	0,9 kg	1,0 kg	1,2 kg	1,7 KG	1,7 KG	4,0 kg
 						

ACCESSORIES

WODD0201 Insulation Jacket and WODD0201 Insulation Cover

For an efficient operation, we recommend using the optionally available water-repellent PTFE fabric insulating jacket and cover.

Safety note:

If necessary, open the lid or bungholes of the drum so that it does not expand inadmissibly due to a pressure build-up during heating. The flexible covers in the insulating lid are provided specifically for this purpose as well as for quick attachment of the connections.



Base Drum Heater (pages 26-29)

Uniform heat distribution over the plate area up to 150 °C. Suitable for steel drums of all types and manufacturers from 200-220 liters.

Temperature control:

Using temperature controller series WRL430PW-0150WIN2. Extremely durable thanks to optimized hybrid relay with over 2.5 million switching cycles.



Customized versions (sizes, special voltages, connectors, pin assignment and sensors) available on request.

CANISTER HEATERS



CANISTER HEATERS

WODPK Canister Heaters for up to 90 °C

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WODPK CANISTER HEATERS FOR UP TO 90 °C

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Used for chemicals and products in various industries; such as **food, automobile, bonding**, etc.
For frost protection, temperature maintenance and heat-up of canisters and hobbocks of up to **90°C**.

BENEFITS

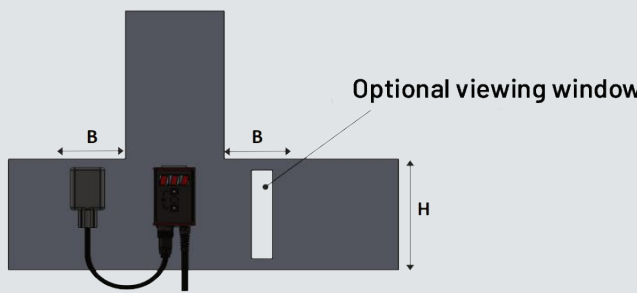
- Fast heat-up
- Low energy consumption
- Redundant overtemperature protection
- Robust industrial grade materials
- One-person handling
- Silicone free
- Suitable for all types and manufacturers

- 1- Water-repellent polyester fabric
- 2- Robust hook and loop closures
- 3- Edge protection
- 4- Bimetal and electrical temperature limiters
- 5- Exchangeable digital controller with inputs for two sensors

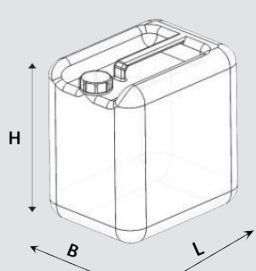


WODPK TECHNICAL DATA: 90 °C

Canister Heater			
Article number (230V)	WODPK005-230ZP092-S001	WODPK010-230ZP092-WIN9	WODPK032-230ZP092-WIN9
Canister volume	5 L (with viewing window)	10 L (optional viewing window)	30 L (optional viewing window)
Nominal power	225 W	275 W	300 W
Operating voltage	230 VAC (± 10 %) (115 VAC as option)		
Operating temperature	0-90 °C		
Temperature sensors	2x Pt100 (temperature and thermal protector sensors) + 1x bimetal thermal cut-out device (monitor temperature 120 °C)		
Appliance class	II ☐ (appliance class I as option)		
Ingress protection	IP54		
Connecting cable	0.3 m with 7-pin round plug for connection to controller		
All lengths +/- 2 %			
L Total length	670 mm	910 mm	1.330 mm
LH Heated length	620 mm	860 mm	1.280 mm
H Height	250 mm	320 mm	360 mm
B Width	145 mm	190 mm	290 mm
All lengths +/- 10 mm			
L Total length	190 mm	240 mm	375 mm
H Height	250 mm	310 mm	360 mm
B Width	145 mm	190 mm	290 mm



Optional viewing window



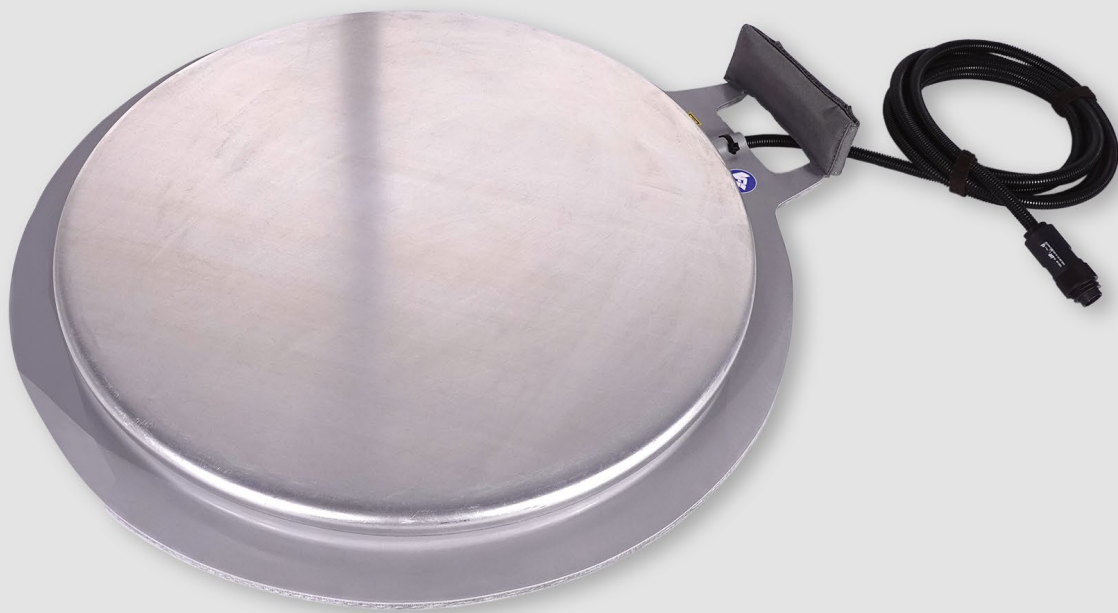
ACCESSORIES

Temperature controller	
Article number	W6706-1156
Controller with monitor function WRL430PW-0090WIN9	
For technical data please refer to the TEMPERATURE CONTROLLERS catalogue	



customised versions (sizes, special voltages, connectors, pin assignment and sensors) available on request.

BASE DRUM HEATER



BASE DRUM HEATER

WODBH Base Drum Heater for up to 150 °C

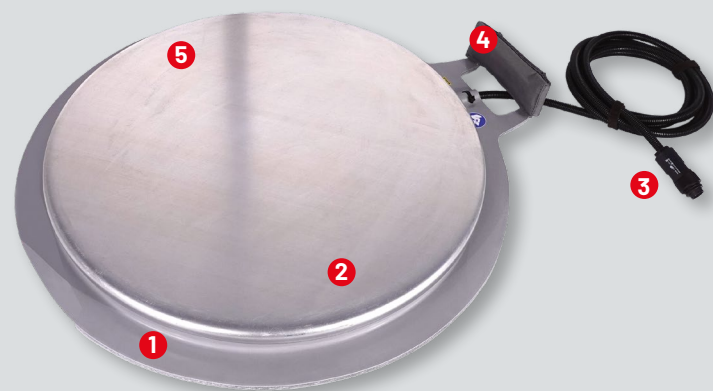
WODBH BASE DRUM HEATER FOR UP TO 150 °C

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Used for chemicals and products in various industries; such as **food, cosmetic, science, detergent pharmaceutical**, etc. For frost protection, temperature maintenance and heat-up of storage containers of up to **150 °C**.

BENEFITS

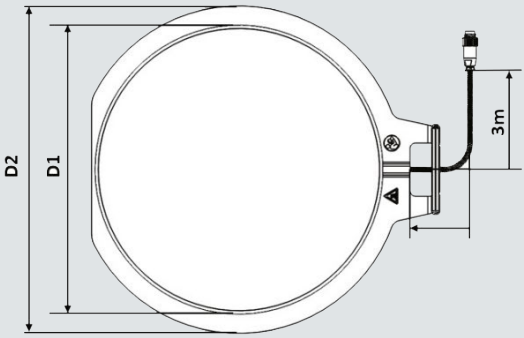
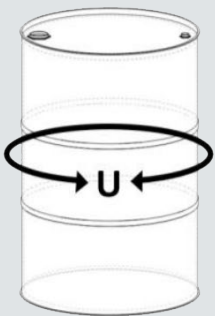
- Fast heat-up
- Redundant overtemperature protection
- Robust industrial grade materials
- One-person handling
- Silicone free
- Suitable for all types and manufacturers



- 1- Glass fibre reinforced plastic
- 2- Aluminum heating plate
- 3- 3.0 m connection cable with 7-pin round plug
- 4- Padded carrying handle
- 5- Bimetal and electrical temperature limiters

WODBH TECHNICAL DATA: 150 °C

Base Drum Heater	
Article number	WODBH200-230ZP150-WIN2
Operating voltage	230 VAC ($\pm 10\%$)
Nominal power	1.000 W ($\pm 10\%$)
Operating temp.	Up to 150 °C
Temperature sensors	2x Pt100 (temperature and thermal protector sensors) + 1x bimetal thermal cut-out device (monitor temperature 180 °C)
Protection class	I  (Protective earth)
Ingress protection	IP54
Connection cable	3,0 m with 7-pin round plug for connection to controller
Max. load capacity	250 kg
Dimensions	
Diameter d1	550 mm
Diameter d2	620 mm
Height	40 mm
U min. circumference	1.800 mm
U max. circumference	2.100 mm
Weight	4,9 kg

ACCESSORIES

Temperature controller	
Article number	W5570-5007
Controller with monitor function WRL430PW-0150WIN2 For technical data please refer to the TEMPERATURE CONTROLLERS catalogue	



customised versions (sizes, special voltages, connectors, pin assignment and sensors) available on request.

DRUM ACCESSORIES



DRUM ACCESSORIES

WFMP0900 Medium Sensor for Drums and IBC's

Temperature Controllers:

WRL430PW-0050WIN9 for Gas Bottle Heaters

WRL430PW-0090WIN9 for Heaters up to 90 °C

WRL430PW-0200WIN2 for Heaters up to 200 °C

WRL430PW-0150WIN2 for Base Drum Heater

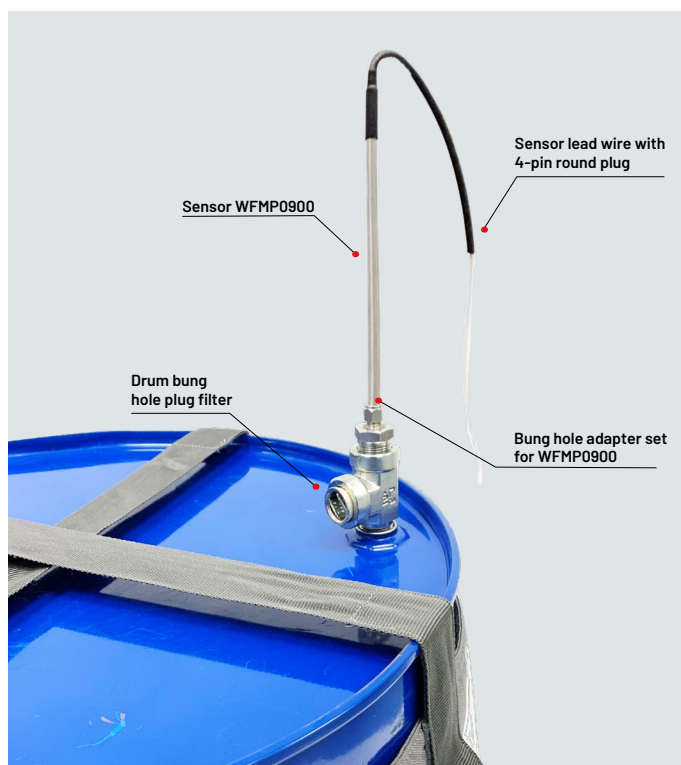
WRL330PR In-Line Temperature Controller

WRZF310N IR-Remote Control for Winkler Temperature Controllers



WFMP0900 MEDIUM SENSOR FOR DRUMS AND IBC'S

winkler



WFMP0900 Medium Sensor

For better and more accurate fluid temperatures, our innovative medium sensor can be used in combination with drum and container heaters.

FEATURES

- PT100 sensor WFMP0900 for temp. measurement up to 200 °C
- WFMP0900 sensor length: 900 mm
- 4 m sensor lead wire with 4-pin round plug for controller
- NPT 3/4" chromed steel bung hole adapter set WRZASE08 for adjusting WFMP0900 sensor height inside the drum. Includes 25 pcs. replaceable bung hole plug steel mesh filters
- NPT 3/4" Drum bung hole plug can be screwed into the bung hole adapter when not heating



Y-Adapter for WFMP0900 Medium Sensor

FEATURES

- 90-260 VAC / 13A
- 7-pin male round plug for controller
- 7-pin female round plug for heater
- 4-pin female round plug for WFMP0900
- IP65 / protection class II

Medium sensor	For temperature measurement up to 200 °C	WFMP0900
Bung hole adapter set	NPT 3/4" for inserting and adjusting the sensor WFMP0900	WRZASE08
Base drum heater	200 – 220 L / 150 °C / 230 V / 1.000 W	W0DBH200-230ZP150-WIN2
Y-Adapter	For use with WRL430PW-0090WIN9 For use with WRL430PW-0200WIN2	WRZAY747-WIN9 WRZAY747-WIN2

TEMPERATURE CONTROLLERS

winkler



Our standard device for drums, containers and pressurised gas cylinders offers reliable safety against overheating thanks to the two sensors built into the heating jacket and the parameterisation as a controller/monitor

WRL430PW-0050WIN9 for Gas bottle Heaters up to 50 °C

WRL430PW-0090WIN9 for Heaters up to 90 °C

WRL430PW-0200WIN2 for Heaters up to 200 °C

WRL430PW-0150WIN2 for Base Drum Heater up to 150 °C

FEATURES

- 90-260 VAC / 10A
- Hybrid relay > 2.5 million operations
- Intuitive 2 button operation
- 3 Digit LED display
- Shatterproof housing
- IP65 / protection class II



Optional device for Canister Heaters with one sensor built into the heating jacket and the parameterization as a controller

WRL330PR In-Line Temperature Controller up to +90 °C

FEATURES

- 90-260 VAC / 10A
- Hybrid relay > 2.5 million operations
- Robust and encapsulated housing
- 3 colour LED status display
- Shatterproof housing
- IP 67 / protection class II



The IR-remote control **WRZF310N** can be used to specify the set-point and read off the actual value

FEATURES

- Powered using 2x AA battery
- Intuitive 3 button operation
- LCD graphic display
- Durable plastic housing
- IP40

HAZARDOUS AREA DRUM, CONTAINER AND GAS CYLINDER HEATERS

winkler



HAZARDOUS AREA DRUM, CONTAINER AND GAS CYLINDER HEATERS

WEXHIBC IBC Heaters: WEXHIBC Insulation Cover for IBC

WEXHD Drum Heaters: WEXHID20 Insulation Cover for Drum Heaters

WEXHB Gas Cylinder Heaters

Digital ATEX Controller / Limiter and Power Selector Combination: WEXRBL25 for zones 1/2 (gas) and 21/22 (dust)



WEXHIBC IBC-CONTAINER HEATERS

winkler

Used for protection against frost, temperature maintenance and process heating in the temperature range from **-40 °C** to **+200 °C**.

BENEFITS

- Robust, flexible and dissipative construction
- For indoor and outdoor use
- System-approved with an EC-type examination certificate
- Easy access to extensive documentation
- Easy mounting and demounting
- IP65 / protection class I
- Zones 1/2 (gas), 21/22 (dust)
- Suitable for application with hydrogen

- 1- Electrostatically conducting PTFE outer jacket
- 2- QR-code and NFC to download relevant documents
- 3- Robust adjustable tension snap closures
- 4- Two temperature sensors – controller and limiter
- 5- Terminal boxes for network and sensors

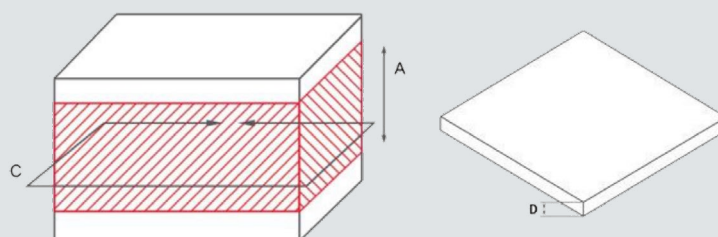


WEXHIBC TECHNICAL DATA: 200 °C

Container Heater	
Nominal voltage	230 VAC *
Nominal power	2.400 W
Max. operating temperature	+180 °C / +200 °C (steel IBC-Container) +80 °C (plastic IBC-Container)
Temperature class	T6 / T5 / T4 / T3 (depending on temperature setting limiter)
Electrical connection	Terminal boxes for network (EX-e) / sensor (EX-i)
Protection degree/class	IP65 / I
Zones	1/2 (gas); 21/22 (dust)
Sensor Pt100 (EX-i, EX-e)	Standard: 2 Optional: 3 (SIL3), 4, 5...
Weight	30 kg, 5 kg (container heater, insulation lid)

Dimensions IBC container 1000L		
	Container heater	Insulation cover
Total length	4.400	.
C (heated length)	3.900	.
A (Height)	1.000	.
D (Height)	.	150

All dimensions in mm
*Other capacity sizes on request



WEXHIBC INSULATION COVER FOR IBC



WEXHD DRUM HEATERS

winkler

Used for protection against frost, temperature maintenance and process heating in the temperature range from **-40 °C** to **+200 °C**.

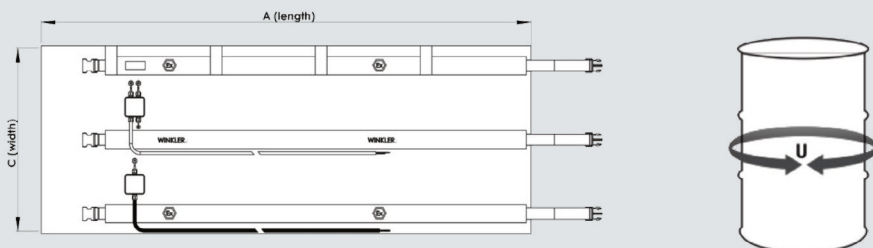
BENEFITS

- Robust, flexible and dissipative construction
- For indoor and outdoor use
- System-approved with an EC-type examination certificate
- Easy access to extensive documentation
- Easy mounting and demounting
- IP65 / protection class I
- Zones 1/2 (gas), 21/22 (dust)
- Suitable for application with hydrogen

- 1- Electrostatically conducting PTFE outer jacket
- 2- QR-code and NFC to download relevant documents
- 3- Robust adjustable tension snap closures
- 4- Two temperature sensors – controller and limiter
- 5- Terminal boxes for network and sensors



WEXHD TECHNICAL DATA: 200 °C

Drum Heater				
Nominal voltage	230 VAC *			
Nominal power	30 L / 350 W	60 L / 400 W	120 L / 800 W	200 L / 1.200 W
Max. operating temperature	+180 °C / +200 °C (steel drum) +70 °C (plastic drum)			
Temperature class	T6 / T5 / T4 / T3 (depending on temperature setting limiter)			
Electrical connection	Terminal boxes for network (EX-e) / sensor (EX-i)			
Protection degree/class	IP65 / I			
Zones	1/2 (gas); 21/22 (dust)			
Sensor Pt100 (EX-i, EX-e)	Standard: 2 Optional: 3 (SIL3), 4, 5...			
Weight	30 L / 4 kg	60 L / 5 kg	120 L / 10 kg	200 L / 12 kg
Dimensions				
Volume*	30 L	60 L	120 L	200-220 L
A (Length)	1.200	1.350	1.700	2.100
U (circumference)	870-1.170	1.100-1.400	1.500-1.800	1.800-2.100
C (width)	400	640	680	800
All dimensions in mm *Other capacity sizes on request 				

WEXHD20 INSULATION COVER FOR DRUM HEATERS



WEXHB GAS CYLINDER HEATERS

winkler

Used for protection against frost, temperature maintenance and process heating in the temperature range from **-40 °C** to **+50/60 °C**.

BENEFITS

- Robust, flexible and dissipative construction
- For indoor and outdoor use
- System-approved with an EC-type examination certificate
- Easy access to extensive documentation
- Easy mounting and demounting
- IP65 / protection class I
- Zones 1/2 (gas), 21/22 (dust)
- Suitable for application with hydrogen

- 1- Electrostatically conducting PTFE outer jacket
- 2- QR-code and NFC to download relevant documents
- 3- Robust adjustable tension snap closures
- 4- Two temperature sensors – controller and limiter
- 5- Terminal boxes for network and sensors



WEXHB TECHNICAL DATA: 50/60 °C

Gaz Cylinder Heater				
Nominal voltage	230 VAC *			
Nominal power	10 L / 380 W 50 L / 850 W 79 L / 850 W (or application specific)			
Max. operating temperature	+50 / 60 °C (Heating jacket max. 200 °C)			
Temperature class	T6 / T5 / T4 / T3 (depending on temperature setting limiter)			
Electrical connection	Terminal boxes for network (EX-e) /sensor (EX-i)			
Protection degree/class	IP65 / I			
Zones	1/2 (gas); 21/22 (dust)			
Sensor Pt100 (EX-i, EX-e)	Standard: 2 Optional: 3 (SIL3), 4, 5...			
Weight	10 L / 6 kg 50 L / 9,5 kg 79 L / 10 kg			
Dimensions				
Volume*	10 L	50 L	79 L	200-220 L
X	1.010	1.670	1.290	2.100
Y	800	1.400	1.000	1.800-2.100
Ø	140	230	318	800
All dimensions in mm *Other capacity sizes on request				

DIGITAL ATEX CONTROLLER /LIMITER AND POWER SELECTOR COMBINATION

winkler

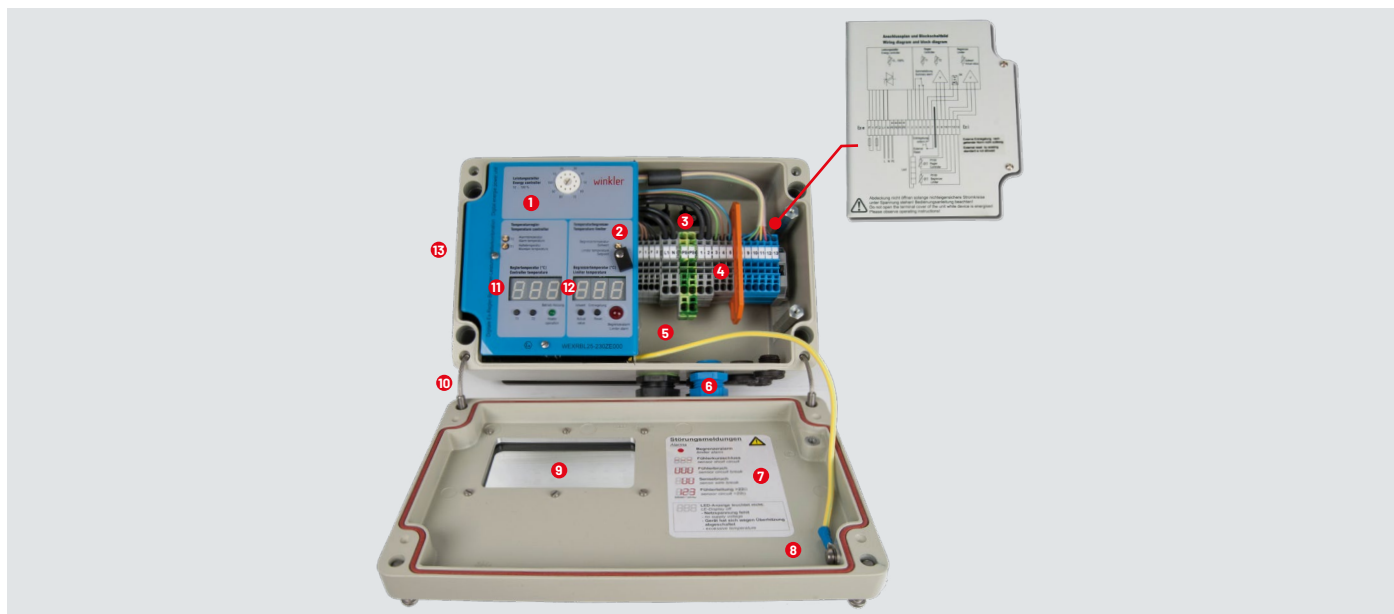
Comprehensive solution for controlling and limiting the temperature in areas with potentially explosive gas or dust atmospheres according to zones **1/2 (gas)** and **21/22 (dust)**, incl. power selector function. Appropriate for ATEX heated lines and heated hoses, ATEX heating mantles and ATEX drum heaters. **WEXRBL25-203ZE000** not suitable for zone **0** and **20**.

BENEFITS

- Approved to zones 1/2 (gas) and 21/22 (dust)
- Not appropriate for applications in zones 0 (gas) and 20 (dust)
- Approved to explosion groups IIC hydrogen and IIIC static dust
- Appropriate for temperature classifications T1, T2, T3, T4
- Approval / certified to latest standards
EN 60079-7 / EN 60079-11 / EN 60079-18 / EN 60079-31
- Complete ATEX documentation

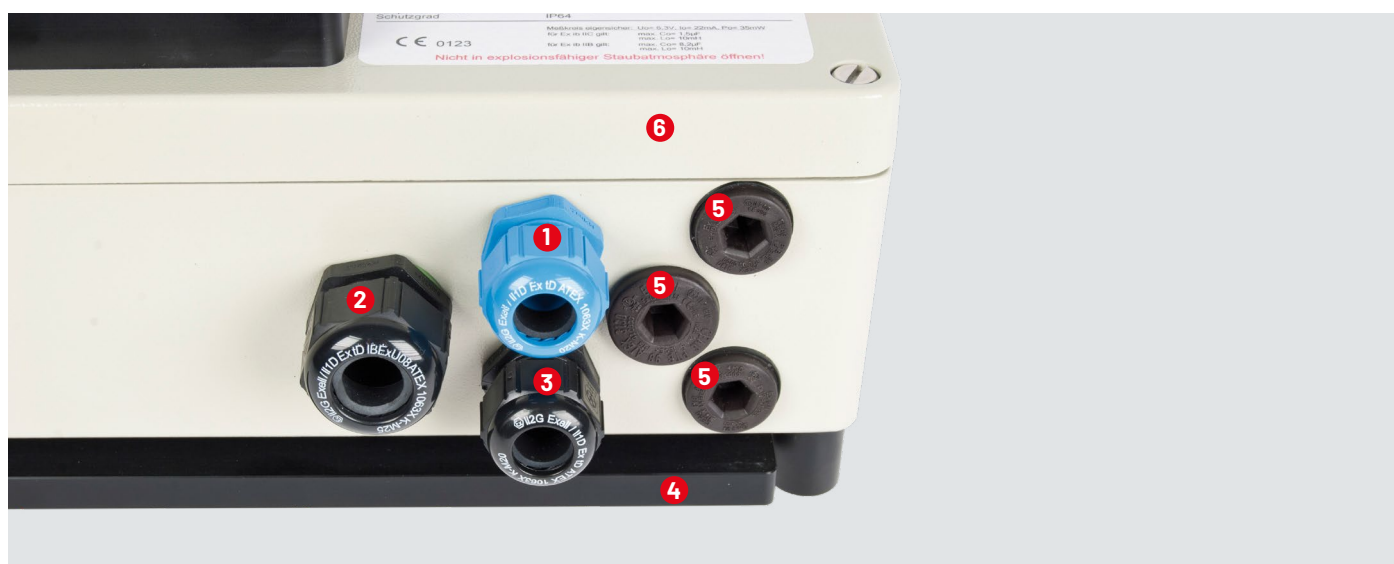


Structure (interior view)



- 1- Power selector
- 2- Cover to limiter adjustment
- 3- Clamp for spare fuse
- 4- Separation of intrinsically safe circuit (Ex i)
- 5- Large connection box
- 6- Cable glands incl. reserve screw connector
- 7- Short information for troubleshooting
- 8- Interior grounding cover
- 9- Clear glass window for easy reading of temperature display
- 10- Fixture for cover
- 11- Big display for temperature controller
- 12- Big display for temperature limiter
- 13- External grounding, body

Structure (cable insertion)



- 1- Sensors (M20)
- 2- Mains supply (M25)
- 3- Heater (M20)
- 4- Heat sink
- 5- Provisions for additional cable glands
- 6- Robust body made of aluminum, IP64

**ANY QUESTIONS?
PLEASE FEEL FREE
TO CONTACT US!**



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