FIBDR-SRx

Hazardous Area Base Drum Heater

These base drum heaters are used to maintain media temperature for standard drum sizes of 200L in hazardous environments. The metal design incorporates self-regulating heating cable technology. This ensures maximum safety during operating conditions. An additional temperature limiter is not necessary. These heaters are designed to meet latest ATEX requirements. The base drum heater is comprising of a sturdy aluminum plate and sheet metal bracket with conductive castors for easy handling. A digital thermostat regulates the operating temperature via an integrated sensor. Each base drum heater is fully wired and ready to use. For best overall performance we also suggest adding a drum heater unit and optional an insulated lid.



FIBDR-SRx

AREA SPECIFICATIONS

Area Classification	Hazardous Area per ATEX Directive 2014/34/EU
Zone	1 & 2 (Gas)
Temperature Class	T2 (300°C), T4 (135°C), T5 (100°C)
Ambient Temperature Range	-40°C to +50°C
Unit Marking	Ex e IIC T* Gb
Norms	EN, IEC Standards

**) Temperature Class as designated (see order information)*

TECHNICAL DATA

Height	75 mm for heating surface
Length	1100 mm including conductive castors
Outer Diameter	546 mm for heating surface
Heater	self-regulating heating cable
	different power outputs depending on T-Class
	including termination and end seal kits
Ingress Protection	IP66 to IEC 60529
Thermal Insulation	50 mm mineral-fiber blanket
Housing	Mild steel, sheet metal, painted
Color	Outer surfaces structured blue
Heating Plate	Aluminium, anodized black
Temperature Sensor	PT100 to IEC 60751, intrinsically safe, integrated
Ingress Protection Unit	IP54 to IEC 60529
Temperature Controller	Electronic, encapsulated, externally mounted in enclosure
Control Range	0°C to 500°C
Ingress Protection	IP66 to IEC 60529
Electrical Protection	Class I
Maximum Operating Temperature	180°C (depending on Temperature Class)
Nominal Supply Voltage	AC 230 V 1-phase 50Hz
Wiring and Supply Cable	tear and notch resistant silicone rubber
Supply Cable Length	3.0 m, flying leads

Note: Drum Heater and Base Drum Heater can be used in combination without interference!

ORDER INFORMATION

Part Number	Description	T-Class	max. Voltage
1235-99930142	FIBDR-SRM/200L/240V/1100W	T2 (300°C)	AC 254 V
1235-99930143	FIBDR-SRP/200L/230V/800W	T4 (135°C)	AC 254 V
1235-99930144	FIBDR-SRL/200L/240V/300W	T5 (100°C)	AC 254 V

Other types and configurations on request!

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