FIDR-SRx

Hazardous Area Drum Heater

These 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 drum heater is to be opened and closed via hinges and fasteners standing on conductive castors that easily roll around the drum. The design ensures stable operation even on unlevelled surfaces. A digital thermostat regulates the operating temperature via an integrated sensor. Each drum heater is fully wired and comes with a standard lid. To reduce further heat loss at the top you can add our insulated lid instead. For best overall performance we also suggest adding a base heater unit.



FIDR-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	990 mm including conductive castors
Inner Diameter	650 mm
Outer Diameter	770 mm (controller and wiring excluded)
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 glass-fiber blanket
Housing	Mild steel, sheet metal, painted
Color	Inner surface painted heat resistance matte black
	Outer surfaces structured blue
Closure	Hinges and quick snap fasteners
	Standard Lid as shown included
Temperature Sensor	PT100 to IEC 60751, intrinsically safe, integrated
Ingress Protection Unit Temperature	IP54 to IEC 60529
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 of heating cable Nominal	150°C (depending on Temperature Class)
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 lead

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

ORDER INFORMATION

Part Number	Description	T-Class	max. Voltage
1235-99930135	FIDR-SRM/200L/240V/3700W	T2 (300°C)	AC 254 V
1235-99930145	FIDR-SRP/200L/230V/2800W	T4 (135°C)	AC 254 V
1235-99930146	FIDR-SRL/200L/240V/900W	T5 (100°C)	AC 254 V
1235-08021000	FIDR-LID (INSULATED LID)		

Other types and configurations on request!

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