

ATEX Industrial Heaters

Type RADEX

Radex finned electric heater has been designed for heating premises exposed to a risk of explosive atmosphere. This may result from the handling of gases, vapors, and flammable liquids. Confined spaces, such as hazardous material storage containers and paint booths, also fall within the scope of application of the Radex.



ELECTRO-THERM

26 RUE DU 35EME REGIMENT D'AVIATION - PARC DU CHENE - 69500 BRON

ELECTRO-THERM@ELECTROTHERM.FR - +33 4 72 15 85 90

WWW.ELECTROTHERM.FR

CONSTRUCTION

Our RADEX heater consists of a flameproof enclosure and a finned tube welded to the housing. The heating element is made of sealed, stacked ceramic parts containing the resistance wire. The unit is equipped with two supports for horizontal floor or wall mounting. The steel version is coated with a grey epoxy finish.

Our RADEX is also available in both low ambient temperature and high ambient temperature versions. Electrical connection of the unit must be carried out using certified flameproof cable glands.

The RADEX ATEX heater is not equipped with its own temperature regulator. The unit is designed to ensure stabilized heat transfer between the heating element and the ambient air when supplied at its rated voltage and when the ambient temperature reaches the maximum permissible value of 40°C or 60°C, depending on the model.

The heat density (W/cm²) is defined in such a way that, under normal operating conditions, the surface temperatures of the unit remain below the applicable temperature class (T3, 200°C or T4, 135°C). Our ATEX heaters are approved by ISSeP and comply with EN-IEC 60079-1 and EN-IEC 60079-31 standards.

The flameproof construction is certified for gas group IIC and dust group IIIC.

APPLICATION

Our RADEX ATEX heater can be used for heating in areas where explosive gases and vapors may be present.

Examples include: offshore oil and gas platforms, chemical and petrochemical industries, and areas where combustible and/or flammable products are stored.

We recommend reading the instruction manual before installation. Our RADEX flameproof heater can be regulated with an ATEX-certified thermostat, such as the ERT-10 (-20°C to +40°C).

RADEX T3/T4 VERSION – ATEX

- Grey epoxy coating
- Flameproof steel construction
- Ambient temperature range RADEX-T3/T4: -30°C to +40°C
- Ambient temperature range RADEX-LAT-T3/T4: -50°C to +40°C
- Marking (ATEX): EN-IEC-60079-1 Ex II 2G Ex db IIC T3/T4 Gb
EN-IEC-60079-31 Ex II 2D Ex tb IIIC T200°C/T135°C Db
- IP66
- 230 Volt standard (other voltages available on request)
- Option: M20 x 1.5 mm cable gland, see “Cable Glands” brochure

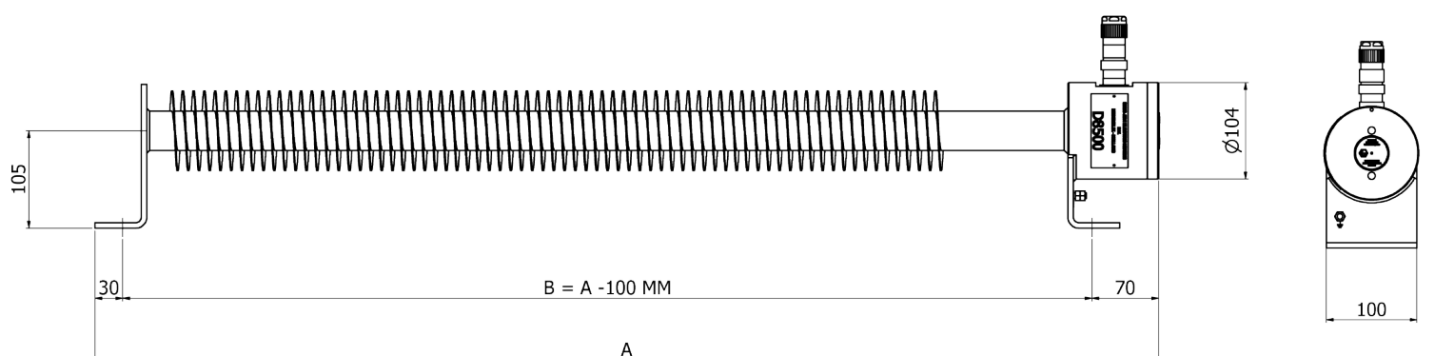


Available ERB Model Types – D8500

TYPE	OUTPUT	REFERENCE	LENGHT	WEIGHT
RADEX ERB 5 T3	400 W	B220 510 400	650 mm	10.0 kg
RADEX ERB 7 T3	500 W	B220 710 500	850 mm	11.5 kg
RADEX ERB 10 T3	750 W	B221 010 750	1150 mm	13.5 kg
RADEX ERB 13 T3	1000 W	B221 311 000	1450 mm	16.0 kg
RADEX ERB 19 T3	1520 W	B221 911 520	2050 mm	19.5 kg
RADEX ERB 25 T3	2000 W	B222 512 000	2650 mm	24.5 kg
RADEX ERB 30 T3	2400 W	B223 012 400	3150 mm	28.5 kg

Available ERB Model Types – D8500

TYPE	OUTPUT	REFERENCE	LENGHT	WEIGHT
RADEX ERB 5 T4	230 W	B225 510 230	650 mm	10.0 kg
RADEX ERB 7 T4	320 W	B225 710 320	850 mm	11.5 kg
RADEX ERB 10 T4	460 W	B226 010 460	1150 mm	13.5 kg
RADEX ERB 13 T4	600 W	B226 310 600	1450 mm	16.0 kg
RADEX ERB 19 T4	880 W	B226 910 880	2050 mm	19.5 kg
RADEX ERB 25 T4	1160 W	B227 511 160	2650 mm	24.5 kg
RADEX ERB 30 T4	1400 W	B228 011 400	3150 mm	28.5 kg



Option: Cable gland 3 or 9 o'clock



Available Types D850 (STEEL Housing)

ERB (-LAT) / (-HAT)			ERB / (-LAT)	ERB / (-LAT)	ERB - HAT
Type	Lenght	Weight	Output T3	Output T4	Output T3
RADEX ERB 5	650 mm	10.0 kg	400 W	230 W	230 W
RADEX ERB 7	850 mm	11.5 kg	500 W	320 W	320 W
RADEX ERB 10	1150 mm	13.5 kg	750 W	460 W	460 W
RADEX ERB 13	1450 mm	16.0 kg	1000 W	600 W	600 W
RADEX ERB 19	2050 mm	19.5 kg	1520 W	880 W	880 W
RADEX ERB 25	2650 mm	24.5 kg	2000 W	1160 W	1160 W
RADEX ERB 30	3150 mm	28.5 kg	2400 W	1400 W	1400 W



RADEX T3/T4 VERSION – ATEX STAINLESS STEEL (AISI 316)

Entirely constructed in stainless steel (AISI 316)

- Flameproof construction
- Particularly suitable for corrosive areas
- Ambient temperature RADEX: -30°C to +40°C
- Ambient temperature RADEX-HAT-T3: -30°C to +60°C
- Ambient temperature RADEX-LAT-T3/T4: -50°C to +40°C
- Marking (ATEX): EN-IEC-60079-1 Ex II 2G Ex db IIC
- T3/T4 Gb EN-IEC-60079-31 Ex II 2D Ex tb IIIC
- T200°C / T135°C Db
- IP66
- 230 Volt (other voltages available on request)
- Option: M20 x 1.5 mm cable gland, see “Cable Glands” brochure



Available Models RADEX Type RVS (Standard) D8505

TYPE	OUTPUT	REFERENCE	LENGHT	WEIGHT
RADEX RVS 5 T3	300 W	B240 510 300	650 mm	10.0 kg
RADEX RVS 7 T3	450 W	B240 710 450	850 mm	11.5 kg
RADEX RVS 10 T3	675 W	B241 010 675	1150 mm	13.5 kg
RADEX RVS 13 T3	1140 W	B241 511 140	1650 mm	17.0 kg
RADEX RVS 19 T3	1520 W	B241 911 520	2050 mm	19.5 kg
RADEX RVS 25 T3	2000 W	B242 512 000	2650 mm	24.5 kg
RADEX RVS 30 T3	2400 W	B243 012 400	3150 mm	28.5 kg

TYPE	OUTPUT	REFERENCE	LENGHT	WEIGHT
RADEX RVS 5 T4	150 W	B245 510 150	650 mm	10.0 kg
RADEX RVS 7 T4	230 W	B245 710 230	850 mm	11.5 kg
RADEX RVS 10 T4	350 W	B246 010 350	1150 mm	13.5 kg
RADEX RVS 13 T4	540 W	B246 510 540	1650 mm	17.0 kg
RADEX RVS 19 T4	700 W	B246 910 700	2050 mm	19.5 kg
RADEX RVS 25 T4	950 W	B247 510 950	2650 mm	24.5 kg
RADEX RVS 30 T4	1150 W	B248 011 150	3150 mm	28.5 kg



Available Model Types D8505 (Stainless Steel Housing)

ERB (-LAT) / (-HAT)			ERB RVS / (-LAT)	ERB RVS / (-LAT)	ERB RVS - HAT
Type	Lenght	Weight	Output T3	Output T4	Output T3
RADEX RVS 5	650 mm	10.0 kg	300 W	150 W	150 W
RADEX RVS 7	850 mm	11.5 kg	450 W	230 W	230 W
RADEX RVS 10	1150 mm	13.5 kg	675 W	350 W	350 W
RADEX RVS 13	1450 mm	16.0 kg	930 W	470 W	470 W
RADEX RVS 19	2050 mm	19.5 kg	1520 W	700 W	700 W
RADEX RVS 25	2650 mm	24.5 kg	2000 W	950 W	950 W
RADEX RVS 30	3150 mm	28.5 kg	2400 W	1150 W	1150 W



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