

Helios Safe Industry – Safe Space Heating in Hazardous Areas

Star Progetti's new **Helios Safe Industry** is the first of its kind – an infra-red ATEX Certified space and process heater that can be used in dangerous, potentially explosive areas. The **Helios Safe Industry** infra-red heater has been especially developed using patented technology which seals the heat lamp from the surrounding environment, yet provides a heat sink and safety valve to deal with the casing heat and pressure inherent in the enclosed heating process. Together with Star Progetti's unique patented parabolic reflector and INFRACALOR® bulbs, this short wave infra-red heater provides a unique way in which instant and uniform heat can be applied in areas and to product that has previously remained unheated or been very expensive to heat. To top it off, this heater is ingress protection rated IP66, meaning it is dust proof and can withstand direct impact of high pressure water jets.

This all adds up to an exceptional level of safety in dangerous operating conditions even in the presence of potentially explosive gases or powders. Because of this, it has been rated to ATEX Hazardous Area Certification for Zone 2 (gas) and Zone 22 (powder / dust).

Short wave Infra-red heating provides a unique means of applying heat to objects and people. The HELIOS RADIANT® IRK provides torch like direct and focused radiant heat exactly to where it is needed. The heat stays put and does not rise to the ceiling or escape through windows and doors. Deploying short wave infrared radiance as opposed to trying to heat the air in a large space will save significant energy costs while keeping people and processes warm, even in the hardest to heat environments. The **Helios Safe Industry** is easily mounted on the wall or can be suspended from the ceiling or placed on a stand.

Specifications

Class I appliance
Ingress Protection IP66
Single phase 240 volt maximum 50/60Hz A.C.
Current at 240 volts is 8A, 2000W
1.5 metre flexible cable supplied without plug
RCD must be fitted in series
Dimensions: 535mm x 270mm x 200mm
Weight: 9.2kg

Certification

Standards: EN60079-0:2012-08,
EN60079-15:2010-05, EN60079-31:2010-05
ATEX Certification
Ex nA IIC T2 Gc
Ex tc IIIB T290°C Dc IP66
-5°C ≤ Ta ≤ +25°C

Features and Benefits

- * Focused heating by short wave infra-red waves provides instant warmth to processes or people within potentially explosive environments.
- * Because infrared waves do not heat the air, relative energy costs remain low – significant space heating savings of up to 70% have been recorded.
- * The heater is completely sealed from the outside and rated for use in ATEX Zone 2 and Zone 22 and is IP66 rated.
- * Easy to install and control. Can be linked to sensors or timers that are rated for same ATEX standards.
- * Long lasting 7000 hour bulbs and patented reflectors make for long and efficient life and low downtime.



Haz Area Plant Room



Wood works Paint Booth