FXS Range of Flameproof Enclosure/Cabinet Heaters

The FXS self-regulating enclosure/cabinet heater provides a bespoke solution tailored to suit your requirements. Unlike fixed duty heaters, the FXS does not require a thermostat to operate safely due to their inbuilt ability to reduce the output as the temperature increases. They can operate in ambient temperatures as high as 130°C (T4) or 180°C (T3) and down to -60°C.

The FXS is certified for use in hazardous areas where the atmosphere is classified as Zone 1 or 2 (Gas groups IIA, IIB, IIC) and Zone 21 or 22 (Dust groups IIIA, IIIB, IIIC).

The FXS concept can be applied to practically any enclosure, cabinet, or component heating requirement. Designs will utilise an anodised aluminium body fitted with a self-regulating PTC cartridge type heating element in order to provide effective heating of enclosures via convection and radiation.

PTC heating elements produce more power when it is needed at lower temperatures. As ambient temperature increases, the resistance of the PTC element increases with the effect of a steady reduction in power output so that no power is produced above a particular temperature set point.

FXS self-regulating heaters are not restricted to being vertically mounted, but instead can be mounted flat on the base of an enclosure, horizontal/diagonally on an enclosure wall or directly to whatever component needs the heat.

Please speak to an EXHEAT Industrial representative in order to calculate the right amount of power for your particular installation.

Certification	ATEX/IECEx ⟨Ex⟩ II 2 G D Ex db IIC T4 to T3 Gb Ex tb IIIC T135°C to T200°C Db **CSA:** Class I Div 1, Groups A, B, C, D. T4...T3 Class II Div 1, Groups E, F, G. T4...T3 Class I Zone 1, AEx tb IIIC T4...T3 Zone 21, AEx tb IIIC T135°C...T200°C **CU TR (EAC)** CU-TR.012/2011 Certified 1Ex db IIC T4...T3 Gb X Ex tb IIIC T135°C...T200°C Db X
Voltage	100 to 140VAC or 200 to 265VAC
Output	Up to 1000W (subject to design, mounting and ambient conditions)
Ambient	**-60 to +130°C:** T4 heaters **-60 to +180°C:** T3 heaters
T Class	T4 (135°C) or T3 (200°C)
Mounting	Directly bolted
Cabling	3m standard (up to 10m available on request)
IP Rating	IP66

FEATURES

- Hard anodised aluminium housing suitable for onshore and offshore applications
- Can be directly mounted to the component that requires heating
- Compact and efficient
- Suitable for ambient temperatures as low as -60°C and up to +180°C
- Available in T3 and T4 temperature classes

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