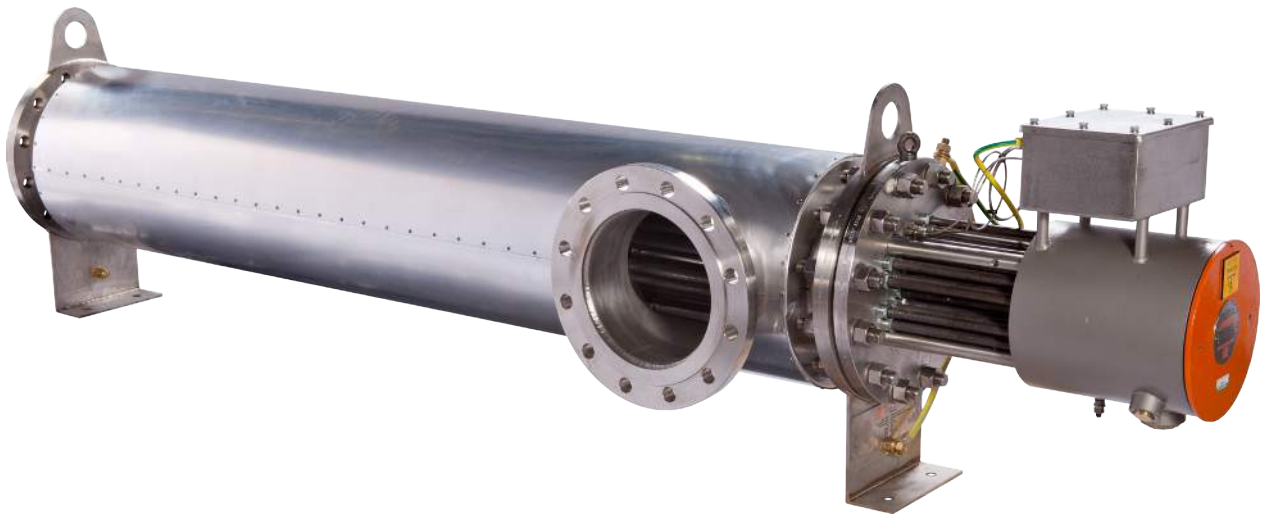


Ex d Flameproof Line Heaters

The range of Ex d flameproof line heaters are suitable for heating all process fluids which are non-corrosive to the materials of construction, providing a clean and efficient heating method for bulk liquid flow applications. The Ex d flameproof line heater range is certified for use in hazardous areas where the atmosphere is classified as a Zone 1 or 2 (IIA, IIB, IIC) gas group, or a Zone 21 or 22 (IIIA, IIIB, IIIC) dust group.




FEATURES

- Thermal insulation and cladding
- Weatherproof terminal enclosure to IP66
- Internal control thermostats and over-temperature thermostat
- Alternative materials of construction available
- Designed for horizontal installation (vertical mounting version available on request)

TYPICAL APPLICATIONS

- Industrial washing and rinsing processes
- Indirect heating of liquids
- Engine jacket pre-heating
- Temperature maintenance of storage tanks
- Under floor heating schemes
- Lube oil pre-heating
- Fuel oil
- Heat transfer oils
- Tempering of low grade residual oils for burners and engines

Certification	ATEX / IECEx  II 2 G/D Ex d IIC T1 to T6 Gb Zone 1 and 2 Ex tb IIIC T450 to 85°C Db Zone 21 and 22 CSA Class I, Division 1, Groups A, B, C, D; Temperature coded T1 to T6; Enclosure type 4 CAN Zones: CSA Ex d IIC; T1 to T6 Gb, IP66 USA Zones: CSA Class I, Zone 1, AEx d IIC; T1 to T6 Gb, IP66 CU TR (formerly GOST); Inmetro; KGS; CNEEx; CCOE
Elements	Incoloy 825 or 316L stainless steel sheathed rod-type or removable ceramic core type housed in mild steel or 316L stainless steel
Vessel	Mild steel or 316L stainless steel sheath
Cladding	Stucco aluminium
Voltage	Standard supplies up to 690V (600V CSA)
Construction	Flameproof protection to IP66
Working Pressure	Up to 10 barg / 145 psig, subject to design parameters
Design Code	Sound Engineering Practice (SEP)
Rating	Up to 120kW (subject to application)