

## Explosion-Proof Gas Heater Control Panel

TOPAZ is experienced in design, manufacture, testing and commissioning of Explosion-proof Heater Control Panel (HCP) for Fuel Gas system & Glycol Regeneration for Oil & Gas industry application. We can custom design and size up the control panel as per customer requirements.

The HCP is designed to provide precise and safe controls of electric heater using SCR power controller. The control portion integrates input & output logic, remote interface and temperature control loop. The HCP is also equipped with monitoring and safety features that enable alarm indication, emergency stop and automatic shutdown. Control mode is selectable between local control and remote control (through DCS).



### Technical Specifications

Power	:	Up to 1000kW
Current	:	Up to 1500A
Power Supply Voltage	:	3ph 4 wires, 200-440VAC
Control Voltage	:	100-240VAC
Frequency	:	50/60 Hz
SCR Power Control	:	Zero cross burst firing
DC Power Supply	:	24 VDC, 10A
Metering	:	Volt meter, Ammeter
Over Current Protection	:	Fuse, MCB
Earth Leakage Protection	:	Earth Leakage Relay 30mA - 30A / 0 - 4.5sec
Zone Location	:	1, 2, 21 & 22
Enclosure rating	:	Ex 'd'
Enclosure material	:	Aluminum Alloy En AC-42000
Cable Entry	:	Bottom entry with Ex 'd' cable gland
Paint	:	Grey
Ingress Protection (IP)	:	IP66
Standards compliance	:	Petronas Technical Specification (PTS) & DEP

### Application

Control panel for Heater in hazardous area for Oil & Gas, offshore and onshore installation.

*For total technical support or additional information, please contact:*

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