

# Thermopads

## Thermotrace Self Regulating Tracer - STP - For High Temperature Applications.

Thermotrace Self regulating tracer is ideally suited for high temperature applications for Tanks & pipeline. It is suitable for maintaining temperatures up to 150 Deg.C. These Tracers allow steam cleaning of the pipelines.

### Construction.

1. 1.25 Sq.MM Coated Copper Bus wires.
2. Semi conductive Heating core extruded over the bus wires.
3. Fluoropolymer Jacket providing electrical insulation, mechanical strength & moisture resistance
4. Coated copper braid to give a continuous ground path.
5. Outer jacket UV resistant Fluoropolymer to enable usage in corrosive area & high temperatures.

### Features.

Standards : Meets applicable test requirements of EN 60079 - 0, IS/ IEC / EN 60079 - 30 -1 & EN 60079 - 31

Approvals : Central Institute of Mining and Fuel Research (CSIR-CIMFR), Dhanbad and approved by Petroleum and Explosives Safety Organization ( PESO), Nagpur, India for Zone II , TI (ATEX) for Zone I / Division II & EAC for use in hazardous area applications

Safety : As the cable self regulates its heat output, it limits the maximum sheath temperature, thus making it burnout proof.



### Technical Specifications

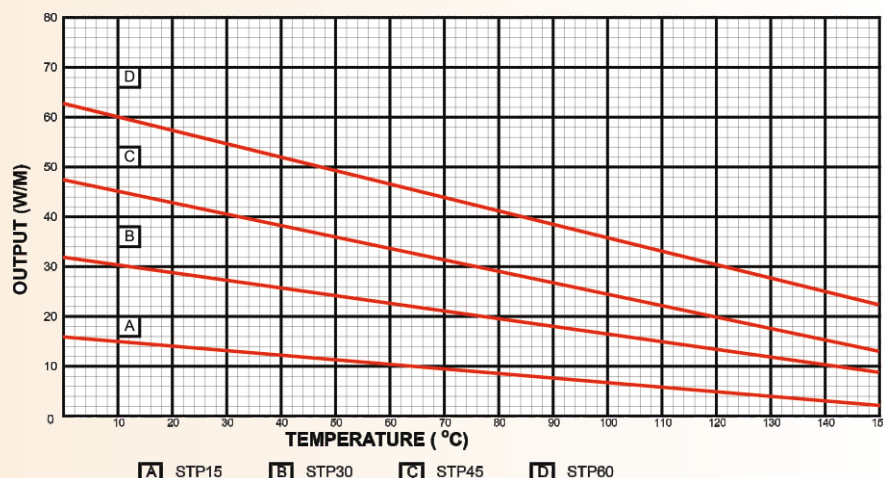
Catalogue Ref.	STP15	STP30	STP45	STP60
Heating Power W/m (230 VAC) at 10° C	15	30	45	60
Voltage Supply	230/240VAC, 50Hz, 110 / 120VAC on request			
Min. Installation Temperature	-65°C			
Max. Operating Temperature	150°C			
Max. Exposure Temperature	250°C			
Min. Bending radius	25mm			

### Circuit Breaker selection vs length(m) /circuit

Catalog Number	Output at 10° C	Maximum Circuit Length	Circuit Breaker Size	Maximum Maintenance Temperature	Maximum Exposure Temperature
STP-15	15 W/m	117	16A	150°C	250°C
		152	20A	150°C	250°C
		185	25A	150°C	250°C
STP-30	30 W/m	68	16A	150°C	250°C
		91	20A	150°C	250°C
		114	25A	150°C	250°C
STP-45	45 W/m	48	16A	150°C	250°C
		65	20A	150°C	250°C
		82	25A	150°C	250°C
STP-60	60 W/m	38	16A	150°C	250°C
		51	20A	150°C	250°C
		64	25A	150°C	250°C

#### Note:

1. Circuit breakers are sized based on start-up temperatures of 10°C.
2. Please mention specifically for 150°C requirements



**A** STP15    **B** STP30    **C** STP45    **D** STP60