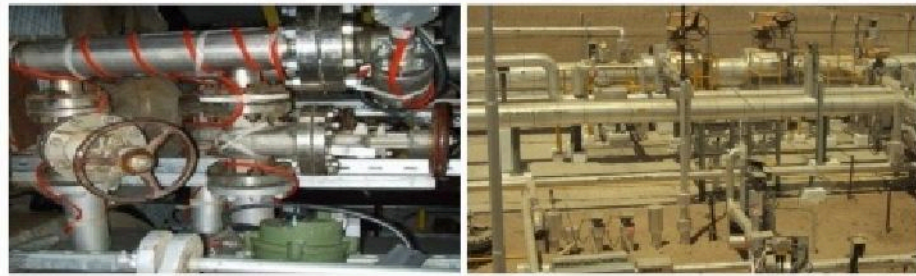
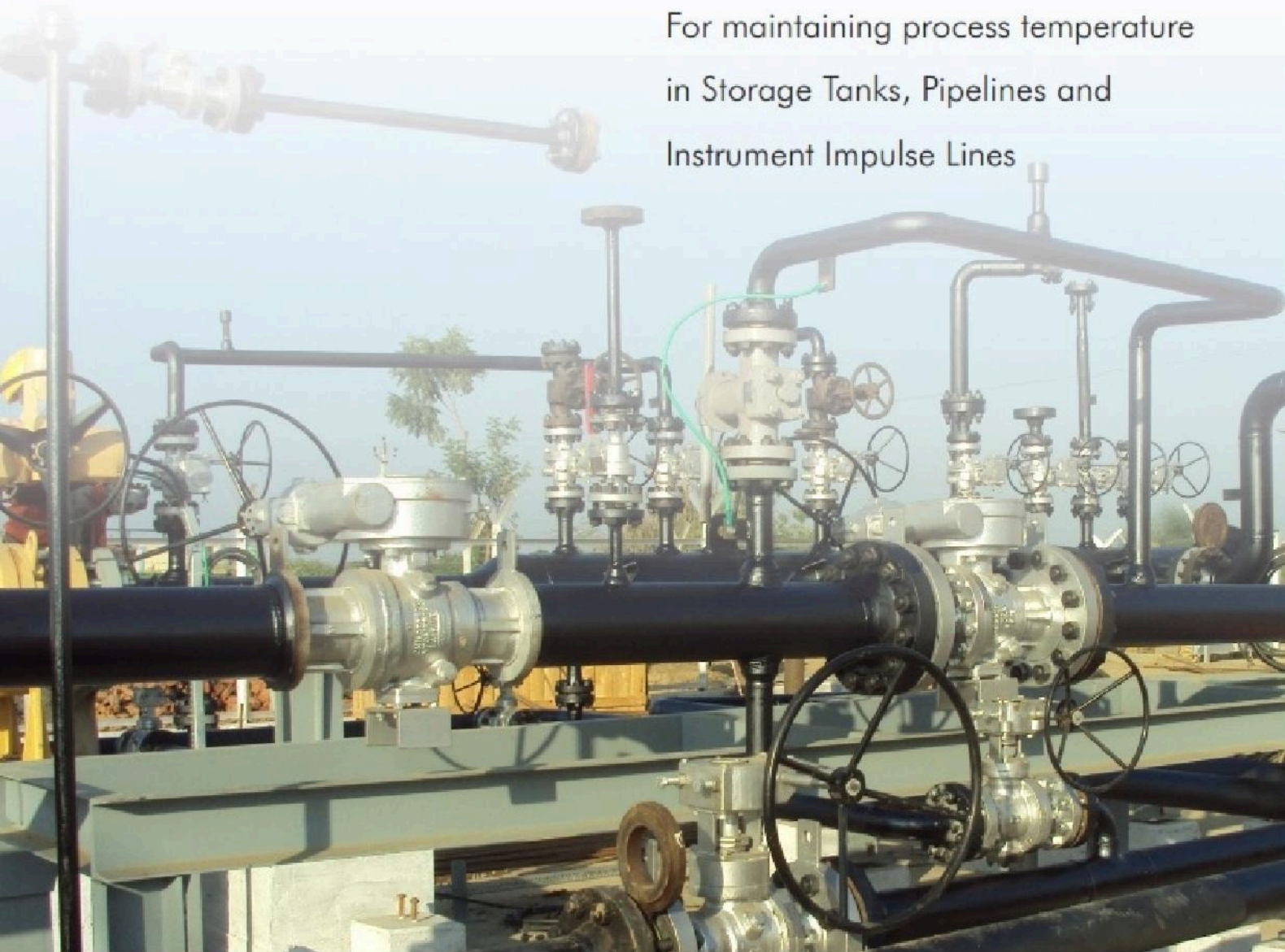


# *The Hot Favourite . . .*



## **. . . Heat Tracing Products & Services**

For maintaining process temperature  
in Storage Tanks, Pipelines and  
Instrument Impulse Lines



**ATP THERMTECH PRIVATE LIMITED**  
The Ultimate Heat Tracing Solutions Providers





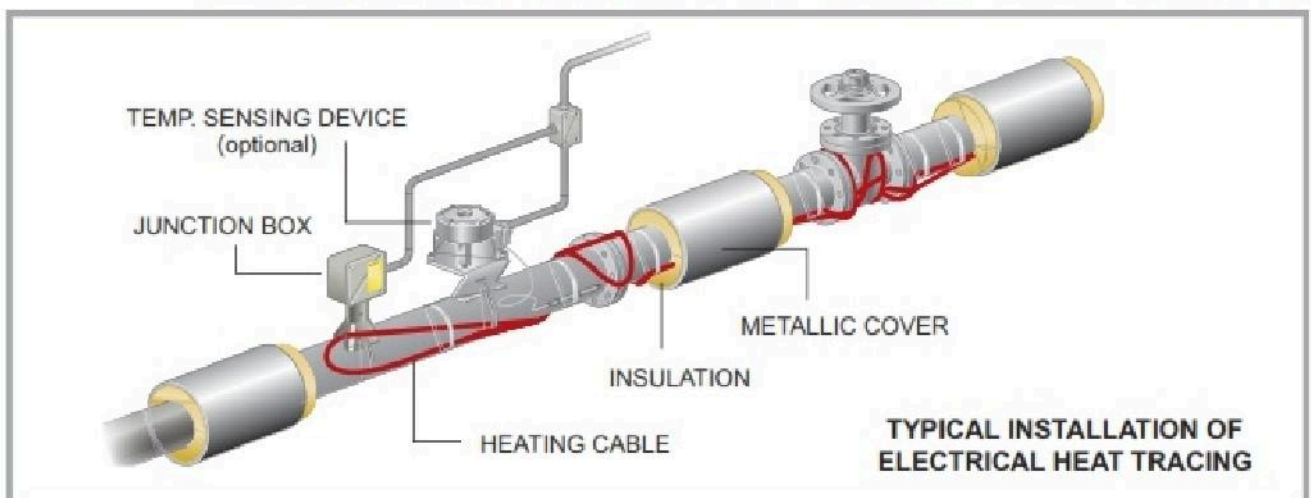
## SELF REGULATING HEATING CABLES

**The Self Regulating Technology :** The heating medium in the self regulating type of heater is a Semi-Conductive carbon loaded polymer core. This special formulation of materials creates an electrical path for conducting current between the parallel bus wires along the entire length of heater cable.

The number of electrical paths between the bus wires vary due to change in the sensed temperature. If the temperature decreases, the conductive polymer contracts Microscopically. Due to this contraction, electrical resistance decreases which creates numerous electrical paths between the bus wires facilitating higher flow of current across these paths to warm the conductive polymer.

As the temperature rises, the conductive carbon within the polymer core expands microscopically. The expansion results in reducing electrical paths and increase electrical resistance. The heater begins to reduce its power output.

The SR heating cables are suitable for use in non-hazardous and hazardous (classified) locations, including areas where corrosives atmospheres may be present.



### Why choose SR Polymeric Heat Tracers :

#### GLOBAL ACCEPTANCE.

Offered products are used and recommended worldwide by leading clients and consultants. In India, it is a favourite brand with top clients like Indian Oil Corporation, Bharat Petroleum, Hindustan Petroleum, Cairn Energy, Reliance Industries, Nuclear Power Corporation, Heavy Water Plants, BHEL, Engineers India, TCS, Bachtel, Unilever, Nestle, Birla Cement Industries and a large number of Engineering & Process Industries.

#### A TRUSTED TECHNOLOGY FOR CLASSIFIED HAZARDOUS AREA USE

Our heat tracers have been approved for use in Hazardous area by major safety authorities worldwide.

#### EXPLOSION PROTECTION

Ex protection type	: II 2G EEx e II
Certification	: KEMA 02 ATEX 2327 U.
	: CCOE Nagpur (India)

#### WIDE PRODUCT RANGE

Polymeric heaters available offer a complete range of heat tracing products to meet virtually every need — from freeze protection to high process temperature maintenance. The product range is capable of handling maintenance temperatures upto 150 deg cel.

#### VARIED SERVICE VOLTAGE AVAILABILITY

The heaters are suitable for use on varied service voltage of 110/120 VAC and 220/240 VAC.

#### EXPOSURE TO EXPLOSIVE ATMOSPHERE

SR heating cables can be used in explosive atmospheres without temperature limiter (subject to 'T' class)



## SR Heat Tracer

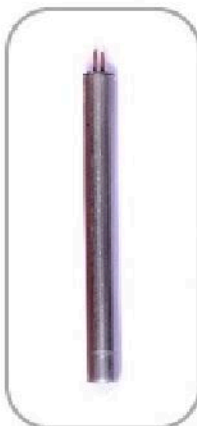
### APPLICATIONS

Fuel Oil Handling Systems
Soap & Fatty Acids
Crude Oil Handling
Thermal Power Plants
Petroleum Refining/Petrochemical Plants
Cold Storage Doors Freeze Protection
Caustic Soda
Chemical & Engineering Industry
Food Industry - for Ghee, Coconut Oil & Chocolate
Hotels, Hospitals & Commercial Buildings
Menthol Plants, Latex, Glue, Bitumen, Black Liquor and many more

### BENEFITS

Long Life, Reliable, Safe
Easy to Handle, Easy to Install
Cut to Length Feature
Reduced Operating Cost
Minimum Maintenance
Uniform Temperature
Corrosion Resistant
Can be Overlapped at Valves, Flanges etc.
Low Running & Maintenance Cost (than Steam)
Proven Performance
Rapid Start-up

## MINERAL INSULATED HEATING CABLES



MINERAL INSULATED (MI) HEATING CABLES offer a highly reliable solution and are recommended to be used where maintenance temperatures above 150°C are required or where exposure temperatures exceed 250°C. MI heating cables offer unique features e.g. high degree of toughness, long service life, ruggedness and are suitable for tough and hostile mechanical conditions

These cables are manufactured with seamless sheath of Copper-Nickel Alloy, Stainless Steel or other alloys and are available for use in Non-Hazardous and Hazardous (Classified) Areas.

MI heating cables are factory engineered, constant wattage series type heaters available in wide range of WATT PER METER range. The tracer generates the same heat output all along its length.

### Easy installation

The heating elements are terminated on Cold Leads, eliminating the need for special termination expertise. Special annealing procedures maximize flexibility for ease of on-site handling.

### Wide Maintenance Temperatures Range

Mineral Insulated cables are available for maintenance temperature up to 500 C and withstand continuous exposure to +600 C.

## MI Heat Tracer

### APPLICATIONS

Bitumen
Coaltar Pitch
Moving Road Tanker/Lorries
Crude Oil Handling
Thermal Power Plants
Petroleum Refining/Petrochemical Plants
Freeze Protection
Fuel Oil Handling systems
Chemical & Engineering Industry
Food Industry - for Ghee, Coconut Oil & Chocolate
Black Liquor and many more

### BENEFITS

Long Life Reliable Safe
Easy to Handle East to Install
Robust Construction
Capable to handle hostile conditions
Minimum Maintenance
Uniform Output
Resistant to extreme Corrosive Environ
Higher Temperature Outputs
Can be Exposed to High temperature
Proven Performance
Rapid Start-up

# HEAT TRACING COMPONENTS



**WP HEAT TRACING PANEL**



**FLP HEAT TRACING PANELS**



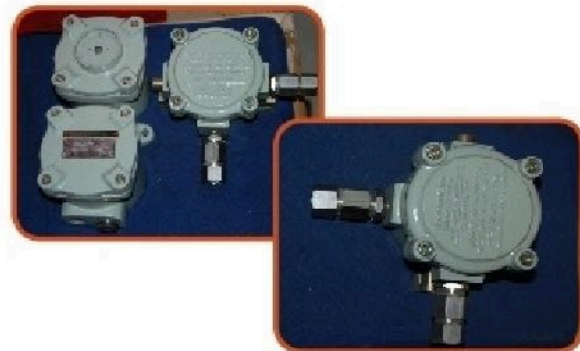
**ELECTRO-MECHANICAL THERMOSTATS**



**DIGITAL TEMPERATURE INDICATORS**



**RTD SENSORS**



**FLAME PROOF JUNCTION BOX**



**HEAT SHRINK JOINT KIT**



**TRACER END SEAL**

*For further details, please contact*

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