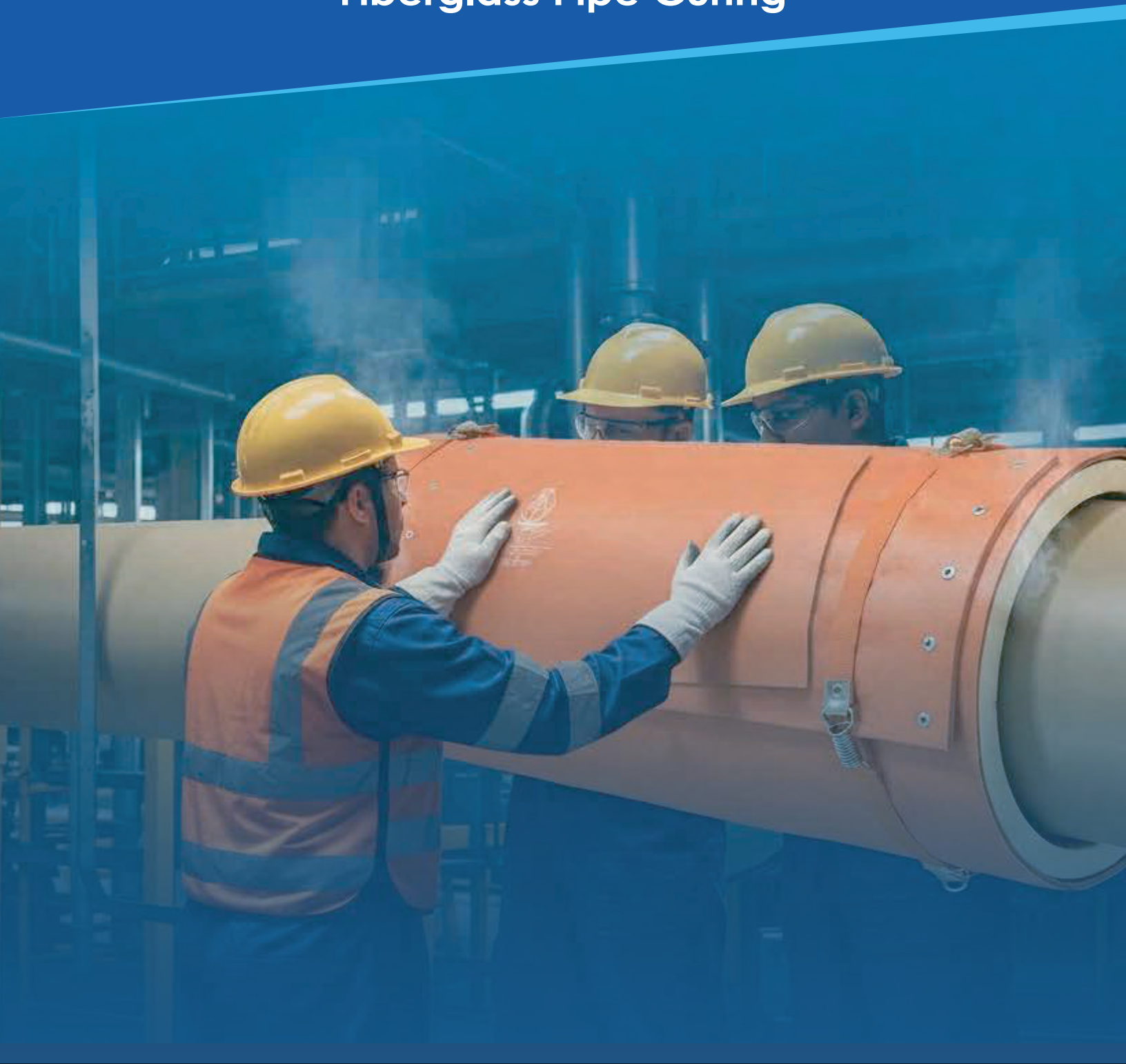
Heating Blanket

Fiberglass Pipe Curing



OTA Fiberglass Heating Blankets are engineered for controlled heat curing of adhesive joints and laminated pipe connections in GRE, and RTR piping sys tems. Designed for harsh field conditions, they ensure uniform temperature distribution, reliable curing, and long-term joint integrity

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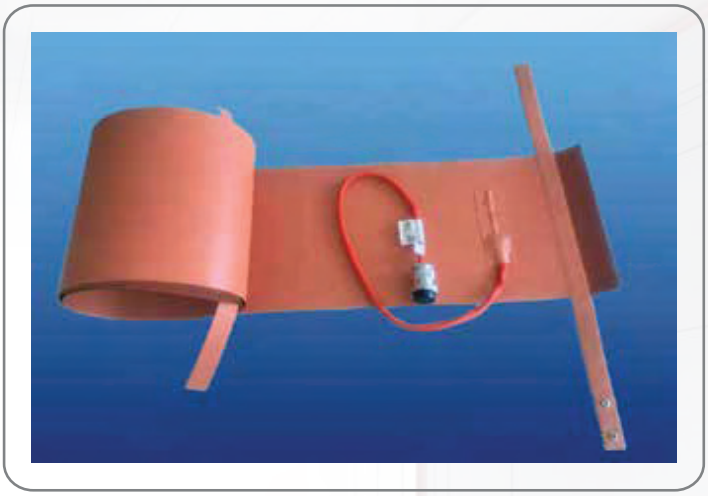
Available Models

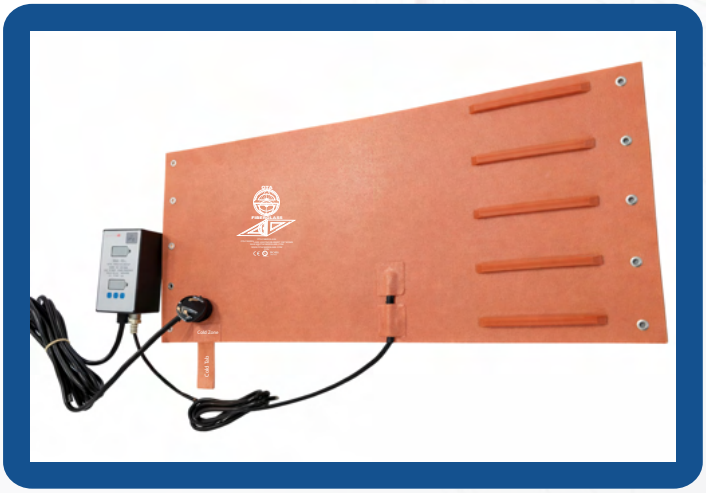
Heating Blanket - Standard Model (M2)



Product Overview

The OTA Fiberglass Standard Heating Blanket (M2) is a reliable, field-proven solution designed for curing adhesive and laminated joints in GRE and RTR piping systems. Built for rugged site conditions, it delivers thermostatically controlled heat to ensure proper resin polymerization and joint integrity.

Heating Blanket - Advanced Model (M1)



Product Overview

The OTA Fiberglass Advanced Heating Blanket (M1) is engineered for high-precision curing applications where temperature accuracy, safety, and repeatability are critical. Equipped with safety and sustainability features including the cold tab, fully insulated 3M power cable, and uniform a temperature spacer design

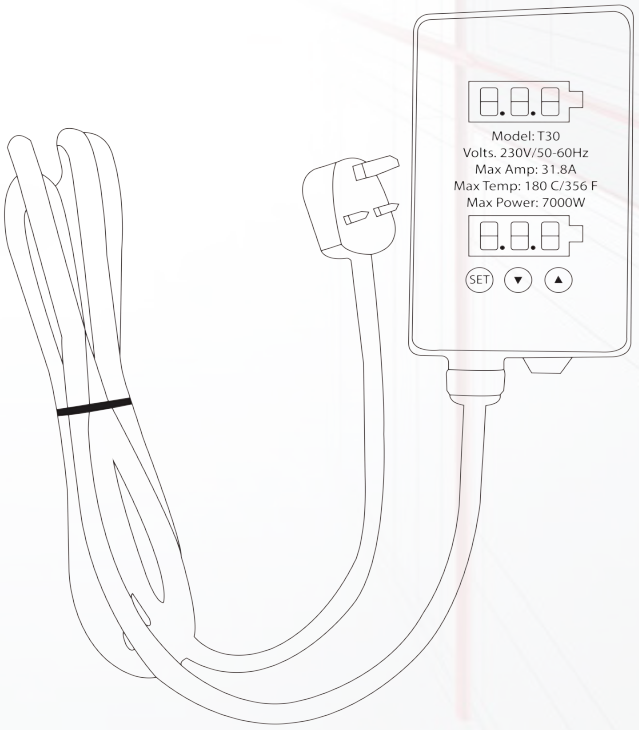
TB Future Smart Temperature Controller T30

A PT100 thermal probe connects each heating blanket to the controller T30 which provides variable digital temperature control from 50°C up to 200 °C for consistent joint curing.

TB Future T30 provides advanced temperature control through multi-stage heating processes. It is a smart temperature controller engineered to deliver precision, safety, and automation in demanding industrial curing applications. It comes with a 3-meter power cable with cold insulation and a standard 13A plug or Industrial plug.

TB Future T30 first collects the temperature, adjusts the signal of the sensor in the heating blanket and converts it into a digital signal to provide users with the current value and change process of various parameters in real-time, controlling various functions of the heating blanket temperature.

Maintaining efficiency and user safety features with temperature ramp and safety alarm on power-on; setting off alarms in critical stages like ramp stage / start stage and approaching or exceeding 150 °C; and a power indicator, tamper-lock and time-settings for constant temperature control functions.



Feature Comparison Table

M1 VS M2

Feature	Standard Model (M2)	Advanced Model (M1)
Heat Distribution	Even heat distribution for consistent joint curing with no spacers	Spacer-assisted design ensures uniform temperature with no thermal gradient
Pipe Compatibility	Each sized for a specific pipe diameter from 1" to 60" (25mm-1500mm)	Matrix sizing options allow flexible size combinations; blankets can operate individually or connected
Cold Tab For Handling	—	✓
Fastening System	Spring and buckle belt fastening system	Press-stud snap-on fastening for faster installation/connecting to other blankets
Cable Length	2 meters	3 meters

Product Variants Summary

Feature	M1-2
Fixed 110°C Option	✓

Technical Specifications (Similarities)

- **Voltage** — **110V / 220V AC**
- **Temperature Range** — **50°C – 200°C**
- **Recommended Control** — **Up to 150°C**
- **Pipe Size Range** — **1" – 60" / Custom**
- **Max Power (T30)** — **7000W**
- **Protection Rating** — **IP65**

Specifications

Standard Sizes & Dimensions

No.	Product	Pipe Size (mm)	Pipe Size (Inch)	℃	(V)	(mm)
01	OTA Fiberglass Heating Blanket	25mm-50mm	1″- 2′	50 - 200	110 / 220	102 X 450
02	OTA Fiberglass Heating Blanket	80mm-100mm	3″- 4″	50 - 200	110 / 220	112 X 510
03	OTA Fiberglass Heating Blanket	150mm	6′	50 - 200	110 / 220	125 X 840
04	OTA Fiberglass Heating Blanket	200mm	8′	50 - 200	110 / 220	135 X 890
05	OTA Fiberglass Heating Blanket	250mm-300mm	10″- 12″	50 - 200	110 / 220	151 X 1265
06	OTA Fiberglass Heating Blanket	350mm-400mm	14″- 16	50 - 200	110 / 220	205 X 1645
07	OTA Fiberglass Heating Blanket	450mm	18′′	50 - 200	110 / 220	225 X 1860
08	OTA Fiberglass Heating Blanket	500mm	20″	50 - 200	110 / 220	255 X 2060
09	OTA Fiberglass Heating Blanket	600mm	24″	50 - 200	110 / 220	300 X 2550
10	OTA Fiberglass Heating Blanket	700mm	28″	50 - 200	110 / 220	400 X 2750
11	OTA Fiberglass Heating Blanket	750mm	30″	50 - 200	110 / 220	425 X 3010
12	OTA Fiberglass Heating Blanket	800mm	32″	50 - 200	110 / 220	445 X 3350
13	OTA Fiberglass Heating Blanket	900mm	36″	50 - 200	110 / 220	465 X 3860
14	OTA Fiberglass Heating Blanket	1000mm	40″	50 - 200	110 / 220	500 X 4150

Bondstrand 110℃

No.	Product	Pipe Size (mm)	Pipe Size (Inch)
01	OTA Fiberglass Heating Blanket	25mm-100mm	1″ - 4″
02	OTA Fiberglass Heating Blanket	150mm-200mm	6″-8″
03	OTA Fiberglass Heating Blanket	250mm-300mm	10-12″
04	OTA Fiberglass Heating Blanket	350mm-400mm	14-16″
05	OTA Fiberglass Heating Blanket	450mm-500mm	18″-20″
06	OTA Fiberglass Heating Blanket	600mm	24″
07	OTA Fiberglass Heating Blanket	700mm-800mm	28-32″
08	OTA Fiberglass Heating Blanket	900mm-1000mm	36″-40″

Matrix Unit Dimensions (mm)

Width	100mm	200mm	350mm	500mm	650mm
Length	500mm	1000mm	1500mm	2000mm	2500mm

Controller T30

•Controllers are interchangeable with any size blanket.
•Blankets are designed to operate at any desired temperature up to 200°C.
•Controllers come with a power on neon indicator.
•Easy to use with twist-lock socket connection.
•110V or 220V

Technical Data

For nominal voltage, mains frequency and nominal performance please referto specification:-

Electrical protection	• Class II
Max temperature	• 200°C
For Heating Blanket Size	• From 1 inch to 60 inch (Custom Upon Request)

Heat Cycles

On first turn on	The heat cycle timer automatically ramps up to 123 C.
On setting temperature	The heat cycle timer calculates the difference between the setpoint and current temperature, predicting the exact power needed to reach the target without significant overshoot
On restart	The heat cycle timer automatically resets to last set temperature before shut-off.
Auto Shut Off	• The heat cycle timer, programmable in hours or minutes, ramps down to zero (or another set value) at the end of the curing cycle. • To provide a safe, hands off curing, use together with anti-tamper lock function.

Lamination Joint Instructions

Find more details about this butt-joint/lamination joint for various pipe manufacturers at www.OTAFiberglass.com

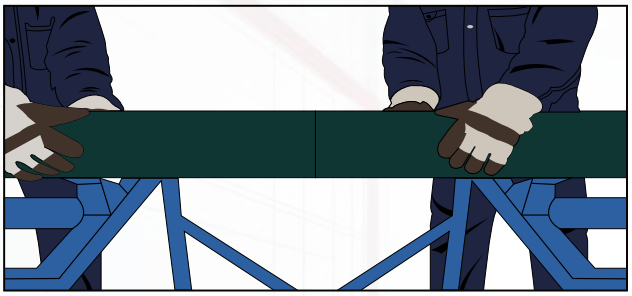


Figure 3.a. Align pipe ends.

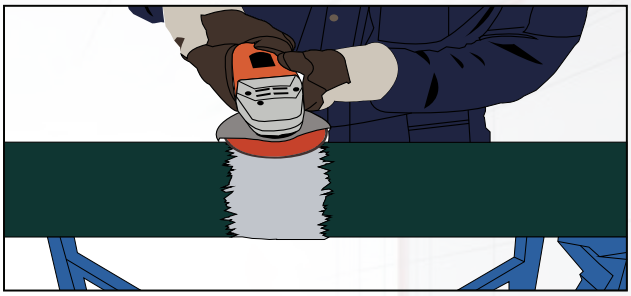


Figure 3.b. Initial Grinding.

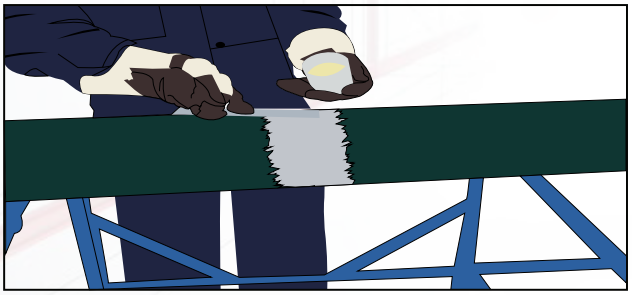


Figure 3.c. Apply Adhesive & Boat Tape.

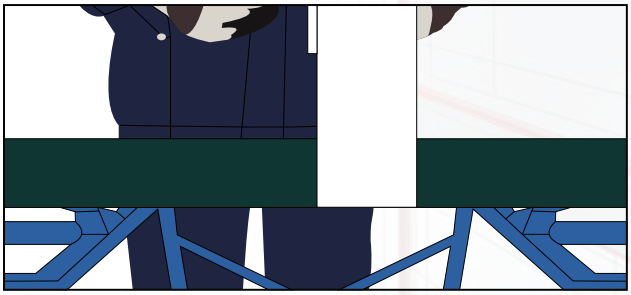


Figure 3.d. Apply WR & CSM Mix.

Figure 3.e. Apply Heating Blanket Constant Temp.

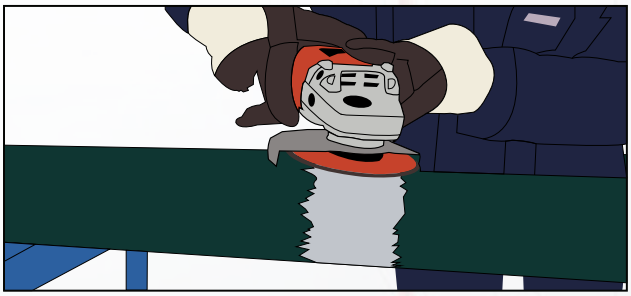
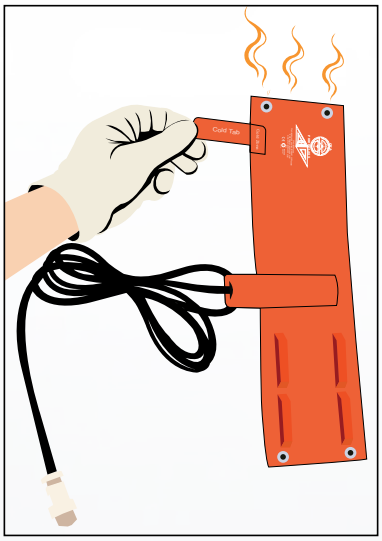


Figure 3.f. Grind surface.

Heating Blanket Installation Instructions

- Wrap the heating blanket around the pipe. Fasten Heating Blanket securely using press studs.
- Connect the heating blanket to TB Future T30. Once connected, the power indicator illuminates red with an audible alarm and screen displays temperature gradually rising
- Click the up or down buttons on the controller to change the setting temperature.



Cation: The heating blanket can only be adjusted using the cold tab during operation

Why M1?

Heat Distribution	Spacers For Uniform Temperature, No Temperature Gradient
Pipe Sizes Covered	One pipe size or Matrix. Matrix Sizes Can Be Combined By 2 Or More Blankets Connecting (2 x 6" Heating Blankets Can Form A 10-12" Matrix Size)
Fastening / Connecting	Press Studs For Easy Snap-On Wrapping / Connecting To Other Blankets
Cable Length / Connecting	3 Meters
Safety Handling	Cold-Tab Rubber Handle For Safe Adjustment During Heating

Controller T30 Parameters

Features / Technical Data

Constant temp button	• Yes
Weight	• 0.2 Kg
IP Rating	• IP65
Power On Indicator	• Yes
Maximum temp	• 200°C
Maximum Power Rating	• 7000W
Sound Alarm	✓ At different stages
Auto Timed Shutoff	✓ Yes
Dual Sensor Precision	✓ For Actual & Set Temp.
Anti-Taper Setting	✓ Yes
Temperature Ramp	✓ Yes

OTA FIBERGLASS

SA: OTA Fiberglass
International Market, Al Yarmook Street,
Al Olaya District, Al Khobar 34445,Saudi Arabia SA
Phone: +966 58 032 2208
Sales@OTAFiberglass.com

OTA Fiberglass Youtube
OTA Fiberglass Facebook
OTA Fiberglass Instagram
www.OTAFiberglass.com

Phone: 013 899 0968 / 058 032 2208

24/7 058 032 2208

Warehouse Map

Listed Global Distributors