OTA

FIBERGLASS

Engineering®

HEATING BLANKET

FBERGLASS PIPES HEAT CURING

INDEX

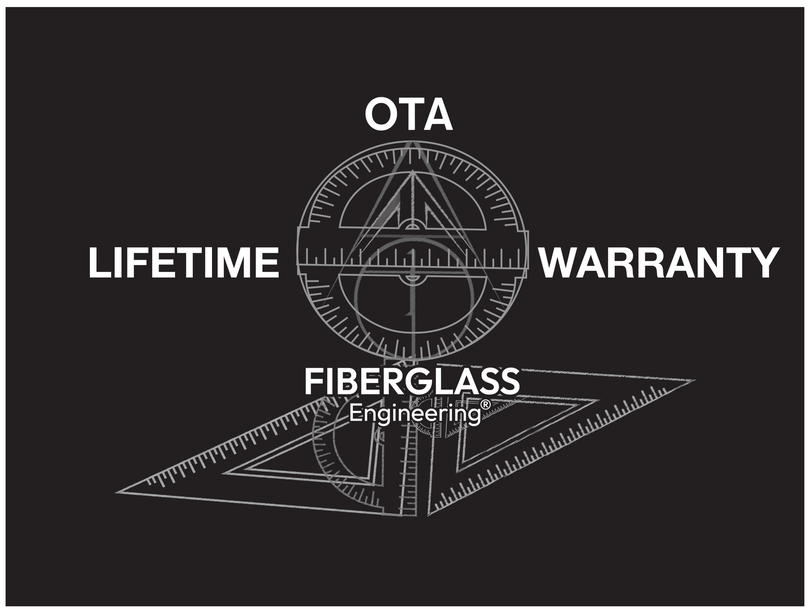
FULL LIFETIME WARRANTY

OTA Fiberglass Engineering® Heating Blankets are warranted to be free of defects in workmanship or material

The coverage lasts for the lifetime of the unit and covers both the heating Blanket and the the attached digital thermostat. Warranty coverage ends when the product becomes unusable for reasons other than defects in workmanship or material

OTA Fiberglass Engineering® Guarantee

Warranted heating blanket with regulator units are replaced or returned free of charge



COMPONENTS

BLANKET & REGULATOR

OTA Fiberglass Heating Blankets are custom designed to heat cure GRE adhesive bonded joints for pipes and fittings, operated from either 220 or 110V AC supply.

Robust and flexible, OTA Fiberglass Heating Blanket design easily applies to the pipe joint surfaces.

It's controlled with OTA Fiberglass in-house Regulator which connects electric power to the center of the blankets. This is wired back with the power flex to a 6-pole plug. Connection into the controller is through a separate push and twist connection, making it easy for the installer to connect the heating blanket into the unit and ensuring it has a good electrical connection.

Each Heating Blanket operates in conjunction with OTA Fiberglass Regulator-a portable thermostatic digital controller, having a variable range of 0-150°C. The controls will operate variably/constantly at any curing temperature within the temperature range, ensuring uniform joint curing.

The unit also incorporates a power indicator for safety. and time-set constant temperature. In addition, OTA Fiberglass Regulator is supplied with a 2-meter power lead which can be connected directly into the correct voltage supply.

Due to the system being a plug and twist arrangement our thermostatic controller can be used on any size of heating blanket meaning the size/ratio of regulators to heating blankets does not have to be 1 for every blanket.

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SPECIFICATIONS

Heating Blanket

SL.	Description	Range	Heating Range	Voltage	Dimension
01	OTA Heating Blanket 25-50	1”-2”	50-150	110/220V	102 X 450
02	OTA Heating Blanket 80-100	3”-4”	50-150	110/220V	112 X 510
04	OTA Heating Blanket 150	6”	50-150	110/220V	125 X 840
05	OTA Heating Blanket 200	8”	50-150	110/220V	135 X 890
06	OTA Heating Blanket 250-300	10”-12”	50-150	110/220V	151 X 1265
07	OTA Heating Blanket 350-400	14”-16”	50-150	110/220V	205 X 1645
08	OTA Heating Blanket 450	18”	50-150	110/220V	225 X 1860
09	OTA Heating Blanket 500	20”	50-150	110/220V	255 X 2060
10	OTA Heating Blanket 600	24”	50-150	110/220V	300 X 2550
11	OTA Heating Blanket 700	28”	50-150	110/220V	400 X 2750
12	OTA Heating Blanket 750	30”	50-150	110/220V	425 X 3010
13	OTA Heating Blanket 800	32”	50-150	110/220V	445 X 3350
14	OTA Heating Blanket 900	36”	50-150	110/220V	465 X 3860
15	OTA Heating Blanket 1000	40”	50-150	110/220V	500 X 4150

FEATURES

Controllers are interchangeable with any size blanket.
- Blankets are designed to operate at any desired curing temperature up to 200°C.
- Controllers come with a powerand heater on neon indication.
- Easy to use plug and twist system.
- 110V or 220V

Technical Data

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

Electrical protection	• Class II
Temperature sensor	• OTA Fiberglass Regulator
Switching rating	• 16 Amp
Max temperature	• 200°C
Heating Blanket Sizes	• From 1 inch to 40 inch (Custom Upon Request)
Heating Blanket Wattage	• Varies by size

Safety precautions

1. Do not lift or hold the heating blanket by the power cord.
2. Do not apply a power supply when standing in water, or on wet surfaces.
3. Apply a power supply only at the voltage marked on the heating blanket.
4. Do not crease or create sharp folds on the blanket when in storage.

Installation Instructions

5. Inspect the blanket and power cord for loose wire connections and bare wires prior to connecting the power supply.
6. Make sure the blanket is operating andheats up in all heating zones where applicable
7. Use the heating Blanket only for pipe diameters as indicated on the face of the heater.
8. For the required curing times refer to the pipe manufacturer’s specification

Design

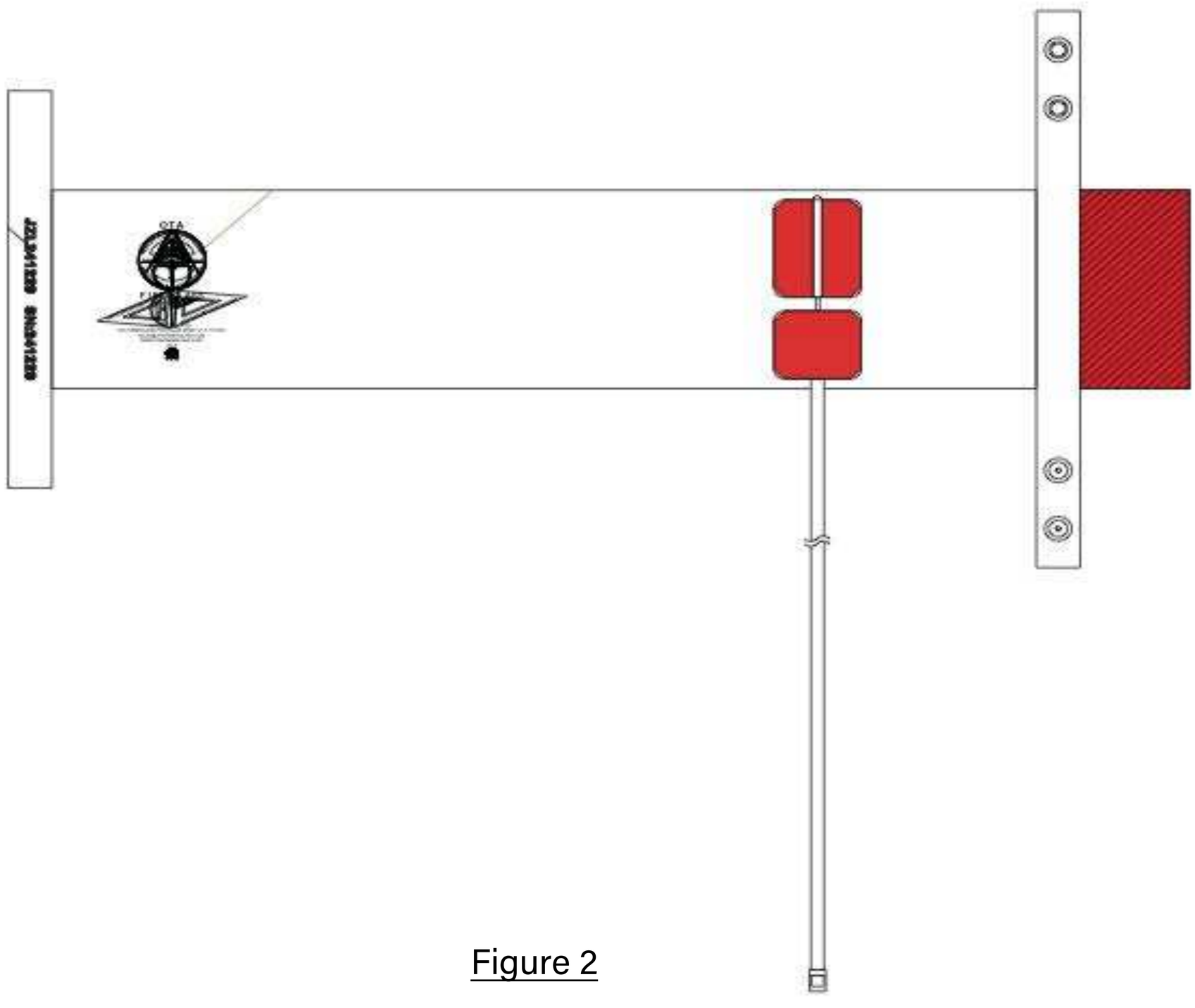


Figure 2

Heating Blanket Design

INSTRUCTIONS

Find more details about this butt-joint/lamination joint for various pipe manufacturers at 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

The Quick Guide Above Demonstrates How To Perform Butt Joints Using OTA Fiberglass Pipe Tools. The Butt And Wrap Joint Process Including The Grinding, Lamination and Curing.

The Heating Blanket is designed for heat-curing adhesive joints in pipes and fittings.

Installing Instructions

Only carry out the installation of the heating blanket after the adhesive bonding has solidified. Failure to carry out the procedure will result in heater damage and reduce the life expectancy.
Each heating blanket is suitable to cure a limited diameter range. It is essential to use the correct size of heater on the appropriate pipe. Failure to do this may result in poor quality bonding or damage / failure to the heating blanket.
The heating blankets are designed to be fitted with the termination connection at the top of the pipe. The blanket is wrapped around the pipe and should have a minimal overlap. As the blanket is fitted it must be tight against the wall of the pipe to avoid air gaps. The blanket can then be held in place using straps attached around the blanket, keeping it tight against the pipe surface.

UL Statement:

In line with the company policy of continued improvement and incorporation of the latest development on electrical construction and safety of our products, we are pleased to issue the following statement with respect to the UL markings on electrical products.

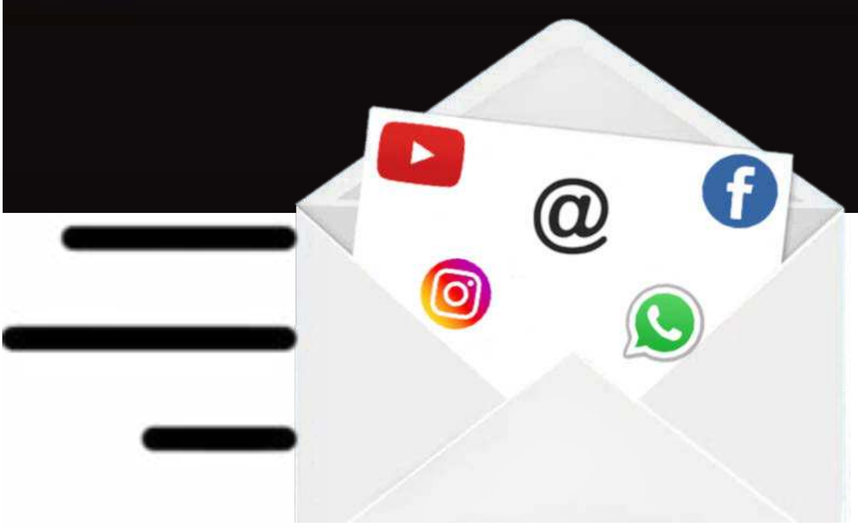
- Appliance Wiring Material, Multiple-Conductor, Thermoplastic Insulation - AVLV2 - Safety - Standard(s): Recognized Appliance Wiring Material [UL758-1:2022 ED.3]
- Heaters, Specialty - Component, Electric Heating Appliances - KSOT2 - Safety - Recognized Miscellaneous Heater [UL499-1:2023 ED.1]

the following are held at our Registered Company Office and Main Factory: -
• Technical Files,
• Design details and drawings,
• Construction details and drawings,
• Test details,
• Third party test reports where applicable.

OTA Fiberglass Regulator

Features/Technical Data

Constant temp button	• Yes
Weight	• 0.4 Kg
Electrical protection	• Class II
Power On Indicator	• Yes
Maximum Amp Rating	• 16 Amp
Maximum temp	• 200°C
Maximum Power Rating	• 3300W



OTA

FIBERGLASS
Engineering®

SA: OTA Fiberglass Engineering
International Market, King Abdulaziz St,
Al Anud, Dammam 32427, Saudi Arabia
SA Phone: +966 58 032 2208

OTA Fiberglass YouTube

OTA Fiberglass Facebook

OTA Fiberglass Instagram

Tel: +966 58 032 2208

24/7 +966 56 469 7032

www.OTAFiberglass.com