

Heat Tracing Products

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EQUIPMENT AND SYSTEMS
"STEAM-ELECTRIC-FLUIDS"

25 January 1974

P P G Industries
P.O. Box 1000
Lake Charles, La. 70601

CTNO 178

Attention: Mr. Don Savoy

Subject: Thermon's Channel Trace System
Reference: Steam Tracing For Your Caustic Lines

Dear Mr. Savoy:

Confirming your conversation with our Mr. Robert Dorsey, enclosed please find engineering data books on Thermon heat transfer cements and heat transfer units for tanks and vessels.

We have enclosed a materials and application guide for heat transfer cements. The guide describes Thermon's patented Channel Trace System and their Computrace System. Computrace is Thermon's Computer program used to solve external heat transfer problems regardless of size and scope at no cost to the customer.

The following conditions were used in the design of your Channel Trace System.

PRODUCT:	Caustic - 78%
PRODUCT TEMPERATURE:	210° - 250°F
LINE SIZES:	1-1/2" Schedule 10, Nickel 200 3" Schedule 10, Nickel 200
INSULATION:	1-1/2" Keylo Unibestos
STEAM PRESSURE:	30 psig - 1-1/2" Line 100 psig - 3" Line
AMBIENT TEMPERATURE:	15°F with 25 mph wind

Following are the results obtained from Computrace:

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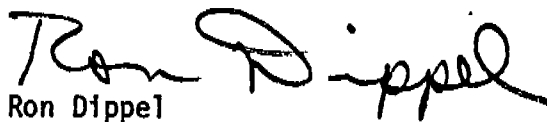
<u>LINE SIZE</u>	<u>TRACER NO. AND SIZE</u>	<u>STEAM-Ts PSIG</u>	<u>TP - °F THERMON</u>	<u>TP - °F BARE</u>	<u>MAX. TRAP.DIST.</u>
1-1/2"	1 - 1/2"	250/15	233		211'
1-1/2"	1 - 1/2"	274/30	256		284'
1-1/2"	1 - 1/2"	274/30		165	366'
3"	1 - 1/2"	250/15	225		164'
3"	1 - 1/2"	337/100	306		378'
3"	1 - 1/2"	337/100		178	535'

The materials and application guide also provides you with information concerning estimation of materials requirements and typical installation drawings. Thermon heat transfer cement, TFK-4 Channel, stainless steel banding, and stainless steel seals are stocked in our Houston warehouse.

We trust you find this information helpful and want to thank you for your interest in Thermon's products. Should you have any questions or if we may be of additional assistance, please don't hesitate to contact us.

Very truly yours,

THERMON MANUFACTURING COMPANY
Ralph B. Johnson & Co., Inc.
Representatives


Ron Dippel

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