

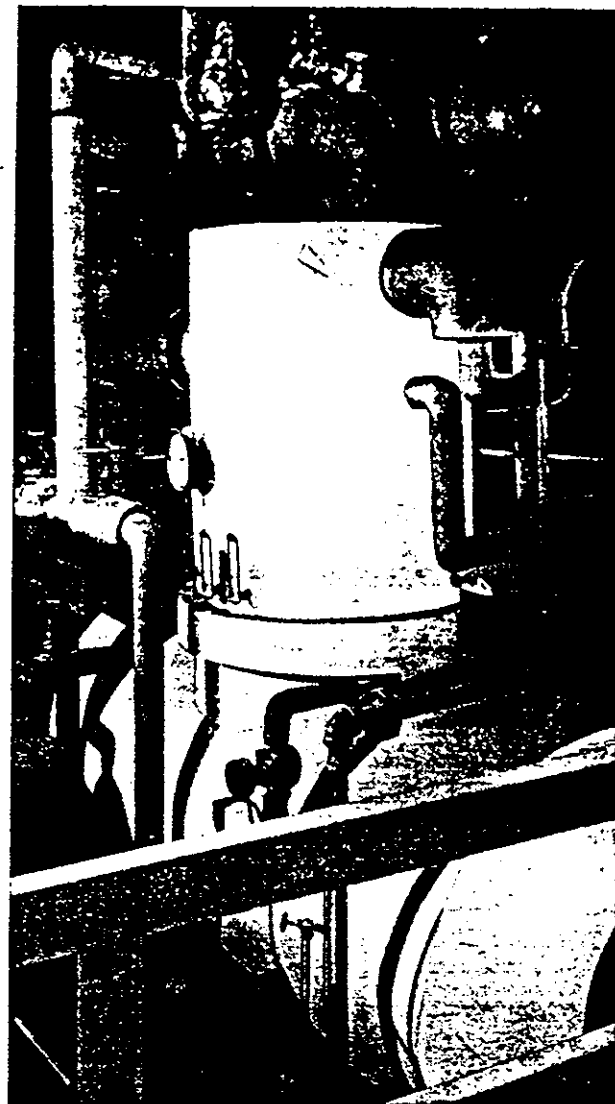
We have been asked:

Can insulation save
my buying a new
feed water heater?

Here's what a manufacturer wrote us recently:
"Our factory uses steam for processing. Condensate return lines, which are now uninsulated, total 2106 feet in length. Our peak loads average 3 hours daily, and the feed water heater can furnish only 80% of recently increased load. Of course, this makes steam costly and inadequate for full production. Will it be necessary to buy a new feed water heater to increase the efficiency of our boiler, or can the application of insulation to the condensate lines do the job?"

Here's what we advised: While an additional feed water heater might solve your problem, it isn't necessary. Insulating your condensate lines will prevent loss of heat on the way back to the boiler and consequently will increase boiler efficiency. Too, insulating the lines will cost far less than installing a new feed water heater. The question then is—which kind of insulation will do the best job? Air-cell pipe covering would be adequate if peak loads were brief and occasional and return lines were short. However, the loads here are too heavy and the lines too long to make air-cell desirable.

Insulation of the return line with 85% Magnesia pipe covering is the best way to attain economical operation. The extra cost of this type of insulation will be repaid, under present conditions, within just a few months.



Armstrong engineers run across questions like this every day. Helping to solve these problems has given them valuable knowledge that could be put to work on your next insulation problem. You'll find these trained engineers in your near-by Armstrong office, and they will be glad to help you.



IF YOU HAVE ANY QUESTIONS involving industrial insulations for low- or high-temperature applications, we'll do our best to help you solve them. Just address a letter or post card to Armstrong Cork Company, 7001 Maple Avenue, Lancaster, Pennsylvania.

ARMSTRONG'S INDUSTRIAL INSULATIONS

MATERIALS - INSTALLATION

FOR ALL TEMPERATURES FROM 300°F BELOW ZERO TO 2800°F

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