

STEAM TALK

NEWSLETTER



4-STAR SPOTLIGHT

Graham Corporation



The Graham Heliflow Heat Exchanger is uniquely designed and engineered to handle difficult heat transfer applications. Graham created the Heliflow to be exceptionally versatile, yielding heat transfer rates that can be more than 40% better than typical shell and tube designs.

Graham Corporation designs and builds vacuum and heat transfer equipment for process industries worldwide. For more on Graham click here > www.graham-mfg.com.

STEAM TIP OF THE MONTH

By Rob Brennan

It is common in steam systems that, "sometimes", steam traps can be forgotten and left behind. If so, the steam trap failure rate can be 15% to 30% or higher depending upon system pressure. (The higher the pressure the more frequent they should be checked) Blown by steam traps let live steam into the condensate system costing hundreds of dollars in lost steam and energy.

Why is it important? The proof is in the numbers! For example, at a cost of \$10.00 per thousand pounds of steam, with an operating pressure of 150psig, and with a 1/8" trap orifice, the estimated steam loss is 75.8 pounds per hour (lb/hr).

The Math: Annual Savings = 75.8 lb/hr x 2920 hr/yr x 10.00/1000lb = \$2,212.00 (One 8 Hour Shift/Day)

Changing defected steam traps is one of the fastest paybacks in the entire steam system. In the example above, that steam trap costs about \$400 on the high end. That's \$400 to save \$2200.

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Somes-Nick & Company

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