



## YUANPING CHEMICAL COMPANY LIMITED

### Install Steam Trap at Air Heating Coils in the Oxalic Acid Bagging Line

#### SUMMARY OF THE OPTION

Yuanping city Chemical Co. Ltd is a middle-sized chemical plant with 1679 staff, located in Shanxi Province in China and is Asia's largest producers of oxalic acid, and also produced products like sodium format and formic acid.

During the assessment of the plant, the Team noticed that there were two sets of steam-air heaters in the oxalic acid bagging department. Each heater had four air heating coils but there were no steam traps on the outlet points. There was only one set of steam traps which was incorrectly installed on the header drainage pipe linking the two heaters. This kind of "Group Trapping", i.e. one steam trap servicing two or more coils/stands, can cause short-circuiting, which in turn can cause catastrophic water hammer in these coils.

The Team suggested installing float type steam traps on individual coiled pipe of the steam-air heater in the oxalic acid bagging department, as shown in the figure below. The company invested US\$ 483 in implementing this option. Now the drainage is very smooth, and there is no short-circuiting and no water hammering in these coils.

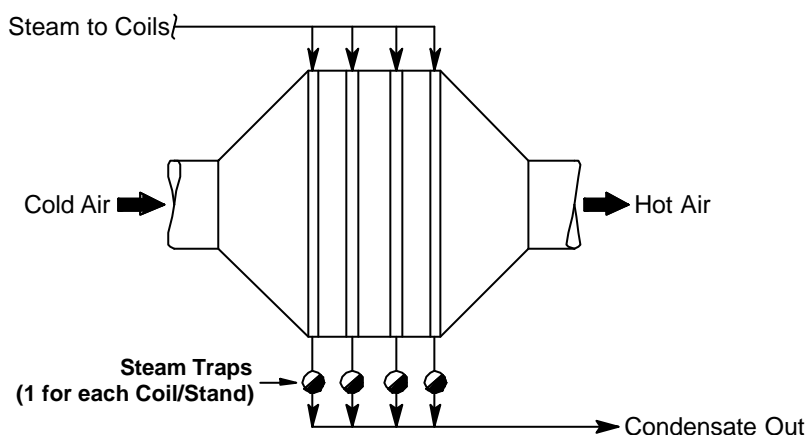
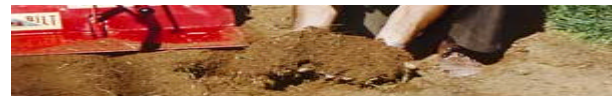


Figure 1: Recommended Installation of Steam Traps on Air Heater

#### KEY WORDS

China, Chemicals, Steam Distribution & Utilization, Steam Traps



## FOR MORE INFORMATION

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