

CASE STUDY

A 35 TPD corrugation box manufacturer in the UAE



Problem

- Steam leakage through traps
- Steam being vented to atmosphere

Objective

To improve overall steam system performance and reduce fuel costs

Solution

Replacement of thermodynamic traps on the dryers with Forbes Marshall two orifice float traps and compact module two orifice float traps, as suitable for the application

Group trapping approach for batch equipment replaced with individual traps

Benefits

No steam loss due to trap leakage

Fuel consumption reduced from 450 imperial gallon per day to 210 imperial gallon per day

Water consumption brought down to 900 imperial gallon per day from 4000 imperial gallon per day

Energy savings of USD 96,000 per annum