

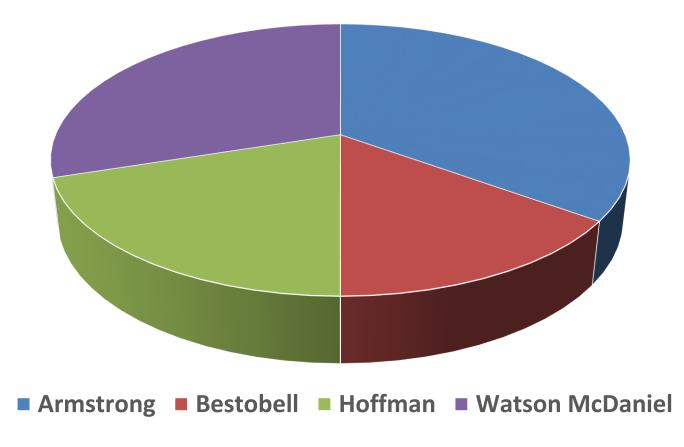
# Steam Trap Survey Results Survey Performed on 11/29/2021





## Trap Population Breakdown (Manufacturer)

Armstrong	14
Bestobell	6
Hoffman	8
<b>Watson McDaniel</b>	12
TOTAL	40

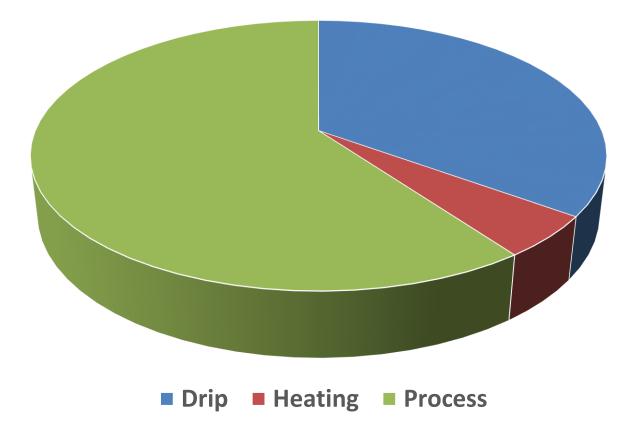






## Trap Population Breakdown (Application)

Drip	14
Heating	2
Process	24
TOTAL	40







### **Overview**

**Total Steam Traps Surveyed = 40** 

**Total Steam Traps In Service = 25** 

**Total Steam Traps Not In Service = 15** 

**Total Steam Traps Failed = 2** 

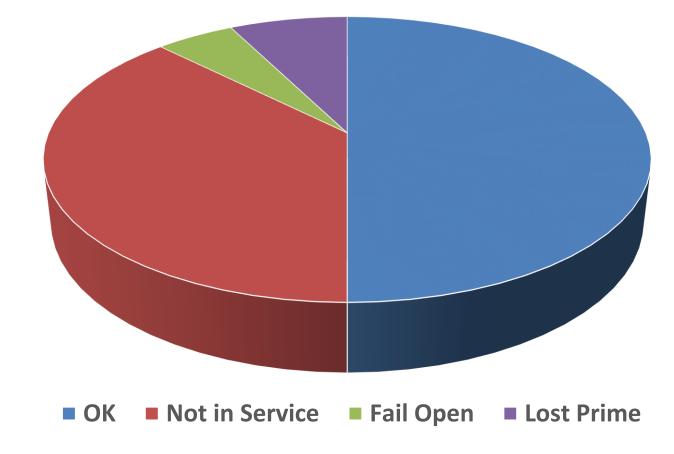
**Steam Trap Failure Rate = 8%** 





## Trap Population Breakdown (Status)

OK	20
Not in Service	15
Fail Open	2
<b>Lost Prime</b>	3
TOTAL	40







### Associated Cost of Failed Steam Traps

Total # of	
Failed Steam Traps	S

### Lbs. of Steam Lost – Annual

(Based on 24 hr. operation, 365 days)

#### Steam Loss (USD) – Annual

(Based on \$6.00 per 1,000 lbs. of steam)

2

194,296

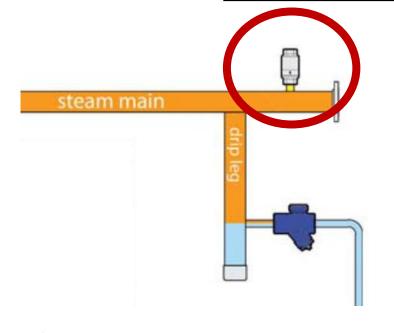
\* Only Failed Open Traps contribute to this calculation

\$ 1,165.78

\* Only Failed Open Traps contribute to this calculation

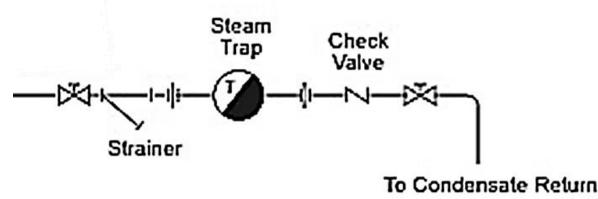


#### Other Observations / Suggestions:



#### **Installation of Thermosatic Air Vents:**

Installation of Thermostatic Air Vents at the end of steam distribution headers helps to prevent air and other noncondensable gases from remaining suspended in the pipes.



#### Typical Configuration for Steam Traps that <u>Discharge into a Return Header:</u>

- 1) Upstream Isolation Valve
- 2) Strainer
- 3) Steam Trap
- 4) Check Valve
- 5) Downstream Isolation Valve

