

Power & Process, Inc.

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Getting a handle on your steam trap population

We at Power & Process, Inc have been in the business of supplying steam related products and solutions since 1981.

Steam Traps have always been part of our business our role being sizing, selecting, troubleshooting etc. This however on an as needed and reactive basis. Steam traps have always been the steam system component that doesn't get the attention that it should. One of the most important components yet often overlooked and therefore not maintained.

Recently and long overdue we began the process of assisting our customers with getting control of their steam trap populations. This as we started our "Steam System Survey Division in October of 2016.

We felt strongly that we could perform the field tasks required to perform the traditional steam trap survey but also felt we could bring much more to the table. Having an understanding of the equipment that steam traps are attached too gives us the ability to understand the net effect of a poorly operating or failed steam trap. This meaning that we commonly design and sell PRV Stations, Heat Exchangers, Condensate Return Pumps and Systems, Flash Tanks, Coils, etc. etc. That experience has us looking at steam traps from a different perspective.

We are currently evolving our protocols and our relationships with the gas utilities providing incentive monies to make the steam trap survey evolution a smooth one. We are learning as we go and in an effort to best optimize our program we wanted to share our vision of a new component to the survey that we have recently implemented.

Power & Process is also affiliated and acts as a Manufacturer's Representative for Thermaxx Removable Jackets out of West Haven, CT. The group from Thermaxx has been active in pursuing energy efficiency projects over the last few years with the very same customers and gas utilities that our Steam Survey Division is now focusing on.

One of the products spawned by Brian Bannon of Thermaxx is called Slate Pages. Initially a product to be used as a means to internally track jacket production the "Slate" found its way out the doors of Thermaxx and attached to all jackets shipped.

What is a Slate?



A Slate is a Laser Engraved Tag that has information on it. Visible information would be the facility name, the component name, a number, a date, whatever applies. More importantly the QR code allows the user to scan tag and pull up all information on an iPhone or iPad.



Slates and Steam Trap Surveys

Power & Process has decided to implement the use of Slates as tags for traps during the steam trap survey process.

Using slates allows us to store all information pertaining to each individual trap surveyed and tagged on a remote server and linked to a Slate Pages Website for viewing anywhere.

All traditional information that would typically be imputed on a spreadsheet is imputed during the actual survey in the field by the field technicians. It is live data entry and one can actually watch the survey team as they progress. Data entered can be whatever field data is deemed necessary and the fields are predetermined. So for example information that is collected and stored.

- Account
- Tag #
- Building location
- Trap location
- GPS coordinates and mapping
- Photo's
- Manuals
- Application
- Hours of operation
- Trap type
- Trap manufacturer
- Date Tested
- Inlet Temp
- Outlet Temp
- Test result
- Recommendations
- Technician name
- Date tested
- Date next test due
- Historical data



The latest thought is to think of this process as “serializing the trap population” An interesting concept to say the least. To date steam trap surveys include numbering the trap population for example 1-275. Each tag moving forward will be serialized and once scanned and attached will become an integral part of each trap.



Check Out the below links

<https://www.slatepages.com/>

<https://support.slatepages.com/hc/en-us/articles/225413408-Video-Managing-Steam-Traps-with-SL8>

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A Veteran Owned Company

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