



Hot Water Management Experts Since May, 1993

Monthly Tech Tips

Not All HSI's Are The Same

Consider this more of a public service announcement than a tech tip. As most technicians are well aware, the hot surface igniter is the most frequently changed part on most sealed combustion boilers. It is also one of the least expensive parts! We established how to properly test a hot surface igniter in our last publication. This month we need to make sure everyone is aware that all HSI's are not the same.

The manufacturer of the most commonly used hot surface igniter is Norton. Norton makes HSI's for many different gas fired appliances, including stoves, radiant heaters, boilers, etc...The mounting specifications on each can vary. We have heard different supply houses claiming they have the same igniter that goes on a Raypak boiler. Sure enough, the igniter looks similar to the one purchased from the factory. Even the mounting screws match up. However, the length of the neck of the mounting bracket is different. Therefore, the HSI did not sit as deep into the flame as the manufacturer intended. Imagine how much trouble you may go through trying to find a flame failure! "But I just replaced the HSI with a new one!". "All the settings are correct". I could go on and on...

Please note, I do believe some igniters are totally interchangeable. We sell quite a few HSI's that are installed on different brands at half the cost! I just want to make sure you are aware that some are not exact replacements and could cause you a lot of trouble-shooting headaches that you don't need.

EJ

QUICK NOTES

Boiler Training:

Saturday's boiler training went smooth as could be. There were a lot of good questions and a lot of great answers. Keep your eye out for information regarding our next class.

Shop Closed

We will be closed on Friday, April 10, in observance of Good Friday.

Out of the Office

Jerry and Eric will be out of the office March 16 through March 20.

Joke of the Month

How many plumbers does it take to screw in a light bulb?

Three...

A boss to tell a plumber, a plumber to tell his helper, a helper to get his electrician friend to do it on the side.

Feel free to submit **clean** entry's of your own jokes if you're interested.

TSC Elite Series Two-Stage Control: Simply the Best Two-Stage Control Around

The TSC-Elite provides accurate control for two set points. It is ideal whenever two stages of control are needed to maintain your set point. It can also be used to control any 2-stage device.

Each TSC comes with a built-in rotation option, which allows you to rotate equipment on a 24-hour basis. This option evens out wear and tear on individual components, helping to prolong equipment life.

Can be Powered by 120VAC or 24VAC. The TSC-Elite is normally powered by 120VAC. However, it has an alternative 24VAC power input. No transformers are required.

Sensor Fault Output Option. The TSC-Elite also offers the option of switching the On or Off when a fault condition occurs.



TSC -Elite two-stage set point control for temperature, pressure, vacuum, or humidity



Any comments or suggestions regarding this monthly publication would be greatly appreciated.