

DID YOU KNOW?

NO: 169

July 25, 2012

SUSSMAN ELECTRIC BOILERS UPGRADES

Overview

An important part of PRIMUS' ISO9001:2008, ISO13485:2003, and FDA cGMP compliance requirements is periodic meetings with key suppliers to review quality, delivery, and cost issues. Sussman Electric Boilers is one of PRIMUS' most significant suppliers.

Feedback from the field via the PRIMUS Customer Service Call Log (CSCL) is the foundation of the discussion. All field issues are recorded on this log and reviewed on a real-time basis by the PRIMUS leadership team. Periodically, trend analysis is also conducted to highlight any systemic quality problems that may be developing.

The formal review with Sussman was held in April 2012 followed by subsequent phone calls and e-mails until all issues were resolved.

Improvements coming from the review are described below:

Documentation and Drawings

Sussman updated the ES Boiler Instruction Manual to include wiring diagrams for ES100 and up showing element cutoff switches.

Boiler Supplemental Information

Sussman updated their website and printed materials with detailed boiler dimensional and clearance drawings.

Slosh Tube

Current probe isolator information is now in the ES30A-36A Instruction Manual, Page 6, Maintenance Item 5.

360kW Boiler

To prevent cables from rubbing against the edge of the pressure vessel during shipment, Sussman revised the boiler design to preclude this condition by lengthening the wires and adding wire clamps to secure the wires. The insulation thickness was also increased.

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SUSSMAN ELECTRIC BOILERS UPGRADES (CONTINUED)

LWCO Covers

Sussman will label the LWCO Probe Cover. Revisions were made to the enclosure for improved alignment of the access hole with the probes. In addition to the functional test, a continuity test is also performed to assure the probe is not grounded.

Pressure Control Piping

Sussman will include a union on the manifold to facilitate removal and installation of the pressure controls. Sussman will also investigate raising the vessel opening for the pressure controls as high as possible. The Code now requires separate piping for pressure controls when using 1/4" plumbing. When 1/2" plumbing is used, a common manifold is allowed.

Broken Feed Water Nipples

3/8" nipples located on the water feed of the ES24A occasionally broke. Sussman changed the boiler packaging to effectively eliminate nipple breakage on the water feed piping. A spacer was located between the feed train and the boiler cabinet. The boiler is also wrapped in shrink plastic to limit movement of the feed train while in transport.

About Sussman Electric Boilers

Sussman Electric Boilers specializes in steam and hot water generators for industrial, commercial, and specialized applications. Sussman's experienced technical capabilities allow it to meet or exceed UL, CSA, and NEC standards. All boilers are built to ASME Boiler Codes for Carbon and Stainless Steel Construction. Each boiler is fully efficient, produces no on-site products of combustion, is factory tested, and ready for immediate use. Capabilities range from miniature steam generators rated 3KW-9PPH to outputs of 5000PPH steam and 920 MBH hot water.

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