

October

Hello and welcome to the Clark-Reliance® October 2008 issue of e-news. This informational newsletter is designed to help you find solutions to your most difficult application and processing problems. You are receiving this e-newsletter because you previously made an inquiry for information about Clark-Reliance's products.

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2009 ASME Boiler Code Review

The ASME Boiler and Pressure Vessel Code provides engineering professionals with critical information covering design, materials, fabrication, and testing of structures, systems and components. Don't risk being restricted with violations or putting workers and equipment in danger, make sure you understand and follow the code.



This article will cover just a small sampling of some portions of the code. For more information, visit: <http://www.asme.org/Codes/>

Code Requirements for Water Level Indicators

The Code states that boilers up to 400 PSI must have a Direct Reading Water Gage Glass in service at all times.

Remember, boilers operated at pressures greater than 400 PSI must have either two Direct Reading Water Gage Glass in service at all times or a combination of two Independent Indirect Level Indication Systems combined with a single Water Gage Glass (which may be isolated and must be kept in serviceable condition).

Code Requirements for Water Columns

There are certain code requirements for water columns, which are not required on power boilers by ASME regulations, but when specified, must be designed and manufactured to comply with the code.

According to the National Board, a water column, if used, must be connected to the boiler using a cross or equivalent pipe fitting at each right angle connection to allow visual inspection and cleaning of the connecting pipes. Sludge or sediment of any kind in the water column or connecting pipes can cause false water level indications.

The ASME code requires a 1-inch minimum connection size from the boiler to the water column and a 3/4-inch minimum connection size from the boiler to a remote level indicator. Gage glasses that are required by code may be connected directly to the shell or drum of the boiler or to an intervening water column. When two gage glasses are required, both may be connected to a single water column.

Maintenance

Some steam boiler operators have mistakenly violated the code from a lack of oversight and not following proper maintenance procedures, as outlined by the original equipment manufacturer. Users are often at risk for violations by not meeting the Code requirements with the minimum amount of functioning level instruments.

Remember

Code limitations exist for the design and operating pressures for the use of Magnetic Level Gages on Power boilers. Users should familiarize themselves with the Code requirements **before** installing these devices. Clark-Reliance is happy to answer your questions regarding boiler codes.

If you have questions, please call us and ask to speak to an ASME Section I Code expert.

Visit Clark-Reliance at Upcoming Trade Shows



See Clark-Reliance products up-close at a 2008 trade show. Learn more about our company and our wide range of products from the expert staff on hand at our trade show booths. Clark-Reliance will exhibit at the following shows:

POWER-GEN International, December 2-4 in Orlando, FL.

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