



# **TEXAS DEPARTMENT OF LICENSING AND REGULATION**

*Compliance Division/Boiler Program*

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## **BOILER TECHNICAL GRAM**

**Number:** 2018-01

**Date:** February 26, 2018

**To:** Authorized Inspectors  
Authorized Inspection Agencies  
Deputy Inspectors

**From:** Office of the Chief Boiler Inspector  
TDLR, Compliance Division, Boiler Program

**Subject:** Intellihot Water Supply Boilers and Potable Water Heaters, 16 TAC §§ 65.214, Modular Boilers, and 65.2(41), Definitions

The Boiler Rules at 16 TAC §65.214 provide that "all modular steam heating and hot water heating boilers that meet all of the requirements of ASME Section IV, HG-716, shall be registered with a single Texas boiler number."

Further, §65.2(41) defines a modular boiler as "a steam or hot water heating assembly consisting of a group of individual boilers called modules, intended to be installed as a unit, with a single inlet and single outlet. Modules may be under one jacket or may be individually jacketed." Neither section references hot water supply boilers or potable water heaters. However, the ASME Section IV Committee has formally approved Code Cases for both Modular Hot Water Supply Boilers and Modular Potable Water Heaters. The Committee is currently working to incorporate these Code Cases into the ASME Section IV standard.

Consistent with §§ 65.2(41) and 65.214, Intellihot boilers and water heaters are fabricated utilizing multiple completed code boilers or water heaters installed in a single cabinet. While each unit has its own control system, a master controller controls all units as a single boiler or water heater. Therefore, any Intellihot boiler or water heater installed with multiple ASME Code Hot Water Supply Boilers or Potable Hot Water Heaters fabricated and installed as modular boilers may be registered with the Texas Department of Licensing and Regulation (TDLR) with a single Texas Boiler Number. Owners of such modular units will be billed for only one boiler, not multiple boilers.

The Inspector registering the boiler shall select one Nameplate as the basis for the inspection, including the National Board (NB) number (to be known as the "master" number). All other NB numbers on the remaining nameplates shall be documented in the "Conditions Block" on the First and Subsequent Inspection Reports. The BTU/hr Input,

*Mike Arismendez, Chair – Shallowater, Texas*

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*Ravi Shah – Carrollton, Texas*

*Deborah A. Yurco – Austin, Texas*

February 26, 2018

Output and Safety Valve information shall be entered on the report as the sum of all valves installed on the modular unit. On subsequent inspections the Inspector shall verify that all NB numbers match those listed in the previous inspection report.

Questions regarding this Technical Gram should be addressed to the Chief Boiler Inspector or an Inspection Specialist.

Sincerely,



Robby D. Troutt  
Chief Boiler Inspector  
TDLR – Boiler Program