

# Code Review

## 2018 Changes to International Codes

### IMC - SWIMMING POOL TAC

W A R N I N G

**Copyright Notice: This document has been reproduced solely for considering proposed changes to the Florida Building Code with the permission of the International Code Council, Inc., is the copyrighted property of the International Code Council, Inc., all rights reserved, and may not be further reproduced or distributed.**

W A R N I N G



# Mechanical Code (IMC)–(Swimming Pool)

## Swimming Pool Technical Advisory Committee (TAC)

**2018 International Mechanical Code – Swimming Pool TAC**

IMC Code Change No.	IMC Section	Change Summary b/t 2015 IMC and 2018 IMC. Swimming Pool TAC.	Change Summary b/t 2017 FMC and 2018 IMC	Staff comments		
M104-15	916.1, CHAPTER 15	<p>Modifies Section 916.1 “General.” Seeks to add new standards “AHRI 1160 (I-P) -09 Performance rating of Heat Pump Pool Heaters,” “ANSI Z21.56a/CSA 4.7 -2013 Gas Fired Pool Heaters,” “CSA C22.2 No. 236-11 Cooling Equipment CSA C22.2 No. 218.1-M89(R2011) Spas, Hot Tubs and Associated Equipment”, “UL 1563-2009 Standard for Electric Spas, Hot Tubs and Associated Equipment-with revisions through July 2012.”</p> <p>To ensure consistency with what standards are required for the various pool heaters in Section 316.2 and Table 316.2 of the International Swimming Pool &amp; Spa Code. The code change was further modified by the Committee. The modification deletes AHRI 1160 which is already referenced in the IECC. Gas heaters are covered by the IFGC and the new exception recognizes integral heaters in spas listed to UL1563.</p> <p><b>Cost Impact:</b> Will not increase the cost of construction This proposal will not increase the cost of construction and ensures the applicable standards for the various pool heaters are provided within all the I-codes that address pool heaters.</p>	Same as change between 2015 IMC and 2018 IMC			
<b>TAC Action</b> Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> <b>NO:</b> <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>		<b>Commission Action</b> Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> <b>NO:</b> <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>		<input type="checkbox"/> No Action Needed	TAC	Cmsn.
				<input type="checkbox"/> Overlapping provisions		

*Rule 61G20-2.002 2. Technical amendments needed to accommodate the specific needs of this state include but are not limited to amendments to the Florida Building Code that provide for the following:*

*a. Establish minimum life safety construction requirements to protect buildings and their occupants from fire, wind, flood, and storm surge using the latest technical research and engineering standards for buildings and materials products. b. Provide for flood protection provisions that are consistent with the latest flood protection requirements of the National Flood Insurance Program. c. Maintain eligibility for federal funding and discounts from the National Flood Insurance Program, the Federal Emergency Management Agency, and the United States Department of Housing and Urban Development. d. Provide for energy efficiency standards for buildings that meet or exceed the national energy standards as mandated by Title III of the Energy Conservation and Protection Act. e. Maintain coordination with the Florida Fire Prevention Code. f. Provide for the latest industry standards and design*

## Code Change No: **M104-15**

### Original Proposal

**Section(s):** 916.1, CHAPTER 15

**Proponent:** Jennifer Hatfield, J. Hatfield & Associates, PL, representing Association of Pool & Spa Professionals (jhatfield@apsp.org)

**Revise as follows:**

**916.1 General.** Pool and spa heaters shall be installed in accordance with the manufacturer's instructions. Oil-fired pool and spa heaters shall be tested in accordance with UL 726. Electric pool and spa heaters shall be tested in accordance with UL 1261, UL 1563 or CSA C22.2 No. 218.1. Gas-fired pool heaters shall comply with ANSI Z21.56/CSA 4.7. Pool and spa heat pump water heaters shall comply with UL 1995, AHRI 1160, or CSA C22.2 No. 236.

**Add new standard(s) as follows:**

AHRI 1160 (I-P) -09 Performance rating of Heat Pump Pool Heaters  
ANSI Z21.56a/CSA 4.7 -2013 Gas Fired Pool Heaters  
CSA C22.2 No. 236-11 Cooling Equipment  
CSA C22.2 No. 218.1-M89(R2011) Spas, Hot Tubs and Associated Equipment  
UL 1563-2009 Standard for Electric Spas, Hot Tubs and Associated Equipment-with revisions through July 2012

**Reason:** This proposal is needed to ensure consistency with what standards are required for the various pool heaters in Section 316.2 and Table 316.2 of the International Swimming Pool & Spa Code. This same proposal has been submitted to Section M2006.1 of the IRC.

**Bibliography:** International Swimming Pool & Spa Code, Section 316.2 & Table 316.2

**Cost Impact:** Will not increase the cost of construction

This proposal will not increase the cost of construction and ensures the applicable standards for the various pool heaters are provided within all the I-codes that address pool heaters.

**Analysis:** A review of the standard proposed for inclusion in the code, AHRI 1160 (I-P), ANSI Z21.56a/CSA 4.7, CSA C22.2 No. 236, CSA C22.2 No. 218.1, UL 1563, with regard to the ICC criteria for referenced standards (Section 3.6 of CP#28) will be posted on the ICC website on or before April 2, 2015.

### Report of Committee Action Hearings

**Committee Action:**

**Approved as Modified**

**Modify proposal as follows:**

**916.1 General.** Pool and spa heaters shall be installed in accordance with the manufacturer's instructions. Oil-fired pool and spa heaters shall be tested in accordance with UL 726. Electric pool and spa heaters shall be tested in accordance with UL 1261, ~~UL 1563 or CSA C22.2 No. 218.1.~~ Gas-fired pool heaters shall comply with ANSI Z21.56/CSA 4.7. Pool and spa heat pump water heaters shall comply with UL 1995, ~~AHRI 1160,~~ or CSA C22.2 No. 236.

**Exception:** Portable residential spas and portable residential exercise spas shall comply with UL 1563 or CSA C22.2 No. 218.1.

**Committee Reason:** Approval was based on the proponent's published reason statements. The modification deletes AHRI 1160 which is already referenced in the IECC. Gas heaters are covered by the IFGC and the new exception recognizes integral heaters in spas listed to UL1563.

**Assembly Action:**

**None**

**Final Action Results**

**M104-15**

**AM**

---