

September 11, 2026

VIA EMAIL: Carlos7094@att.net

Carlos Flores III
City of Houston
14807 Windlea Lane
Houston, TX 77040

Re: Formal Interpretation Letter Ballot Results FI 006
Final Closing Date: **August 21, 2026**
2021, 2024, 2027 Uniform Plumbing Code

Dear Mr. Flores:

I am transmitting to you herewith the following final results.

The proposed Formal Interpretation asks the following question(s):

Background: Water heaters typically do not require backflow protection at the inlet. However, Section 603.5.10 seems to require a type of backflow protection for hot water boilers which can include a water heater used for only heating domestic potable water.

Question 1: Per Section 603.5.10, do water heaters intended only for heating domestic potable water need to be provided with a double check valve?

Answer: NO

Question 2: Does Section 603.5.10 apply to hot water boilers in hydronic space heating applications?

Answer: YES

The proposed Formal Interpretation was balloted through the Plumbing Technical Committee in accordance with Section 6 Formal Interpretations and achieved the necessary simple majority and three-fourths majority agreement for both questions in accordance with Section 6-3.4.

In accordance with Section 6-4.2 of the Regulations Governing Committee Projects, this formal interpretation shall apply to the 2021, 2024 and 2027 editions of the *Uniform Plumbing Code*. Please note that the effective date of this formal interpretation will be 20 days from the date of this letter, unless an appeal is filed with the IAPMO Standards Council in accordance with Section 1-6 of the Governing Committee Projects.

Sincerely,



Hugo Aguilar
Sr. V P of Codes and Standards

CC: Members of the Plumbing TC
IAPMO Standards Council
Enrique Gonzalez, Staff Liaison