Summary of Substantive Changes
Between the 2020 and the 2021 Editions of
NSF/ANSI 358-1 “Polyethylene Pipe and Fittings for Water-Based Ground-Source "Geothermal" Heat Pump Systems”

Presented to the IAPMO Standards Review Committee on January 10, 2022

General: The changes to this standard may have an impact on currently listed products. The significant changes are:

- Revised the PE pipe test requirements to remove the environmental stress crack resistance test (see Table 7.1)
- Revised PE pipe dimensional requirements regarding the maximum dimension ratio of 2 in and smaller pipe from 11 to 13.5 (see Section 5.1)

Section 5: Revised PE pipe dimensional requirements regarding the maximum dimension ratio of 2 in and smaller pipe from 11 to 13.5 as follows:

5 General requirements

5.1 Polyethylene pipe

Polyethylene pipe shall comply with ASTM F714,3 ASTM D2737,3 ASTM D3035,3 CSA B137.1,5 or AWWA C901.4 Pipe with a diameter of 2 in (6.033 cm) (nominal) and smaller shall have a maximum dimension ratio (minimum wall thickness) of ~~11~~ 13.5. Pipe with a diameter of larger than 2 in (7.62 cm) (nominal) shall have a maximum dimension ratio (minimum wall thickness) of 17.

Table 7.1 was revised to remove the environmental stress crack resistance test.