



Joint Committee on Recreational Water Facilities

May 19, 2025

Proposed revision to NSF/ANSI/CAN 50 – Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (50i219r1)

Revision 1 of NSF/ANSI/CAN 50, issue 219 is being forwarded to the Joint Committee for consideration. Please review the proposal and **submit your ballot by June 9, 2025** via the [NSF Online Workspace](#).

Please review all ballot materials. When adding comments, please include the section number applicable to your comment and add all comments under one comment number whenever possible. If you need additional space, please use the attached blank comment template in the reference documents and upload online via the browse function.

Purpose

The proposed revision will add informative language regarding cartridge filters to NSF/ANSI/CAN 50 under Section 6.4.10.

Background

This issue paper was originally presented in 2023. Work on this issue was paused due to the secretariat transition within NSF. In 2025 the subtask group on cartridge filter requirements met and reviewed the issue paper. Language was revised and a straw ballot was opened to the subtask group. The straw ballot drew all affirmative votes. As a result, it was determined that the language should be approved by the Filters task. That ballot was also approved. As a result, the attached ballot is presented to the Joint Committee for consideration.

If you have any questions about the technical content of the ballot, you may contact me in care of:

A handwritten signature in black ink, appearing to read "Tom Vyles", with a stylized flourish at the end.

Tom Vyles, Chair, Joint Committee on Recreational Water Facilities
c/o Brandon Freeman, Joint Committee Secretariat
T +1 734 214 6128
E bfreeman@nsf.org

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[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by **grey highlighting**. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI/CAN Standard

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

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6 Filters

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6.4 Cartridge-type and high-permeability-type filters

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6.4.10 Filtration rates

The design filtration rate of a cartridge-type filter shall not exceed the maximum values specified in Table 6.4.

Table 6.4
Maximum design filtration rates for cartridge-type filters

Filter design	Intended application	Maximum design filtration rate
depth-type	residential pool or spa / hot tub	8 GPM/ft ² (325 LPM/m ²)
depth-type	public pool or spa / hot tub	3 GPM/ft ² (122 LPM/m ²)
surface-type	residential pool or spa / hot tub	1 GPM/ft ² (41 LPM/m ²)
surface-type	public pool or spa / hot tub	0.375 GPM/ft ² (15 LPM/m ²)

The design filtration rate of a high-permeability-type filter intended for use with a residential pool or spa / hot tub shall not exceed 10 GPM/ft² (407 LPM/m²).

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A depth-type or surface-type filter intended for public applications that demonstrates continued conformance to the head loss, turbidity reduction and cleanability requirements of the test standard, as well as continued conformance to the head loss, turbidity reduction and cleanability requirements of the test standard after performing six complete soiling and cleaning cycles as defined in Section [N-2.4](#), may claim a maximum design filtration rate up to those rates specified for residential applications.

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