NSF Standard(s) Impacted: 

Background:
Provide a brief background statement indicating the cause and nature of concern, the impacts identified relevant to public health, public understanding, etc, and any other reason why the issue should be considered by the Committee. Reference as appropriate any specific section(s) of the standard(s) that are related to the issue.

Under 5.4.2 Hydrostatic pressure test – complete systems in NSF/ANSI 42, 53, 401, and 244, there is the following language:

Components downstream of the system on/off valve that are not subject to pressure under the off mode, and that either contain no media subject to plugging or are not designed to contain media, shall be exempt from the hydrostatic pressure test but shall be watertight in normal use. Components that are downstream of the system on/off valve but upstream of media subject to clogging shall meet the requirements of this section.

This language implies this exemption applies to all systems. This language is replicated in footnote 2 of Table 5.1, but footnote 2 only applies to open discharge systems. Open discharge systems are defined in NSF/ANSI 330 as a system that is subject to only atmospheric pressure during the off mode. There are many systems on the market that could be thought of as hybrid systems. They are often countertop appliances that are plumbed to a water supply line with an inlet solenoid valve. These systems have components that are under pressure at rest, but also may have components downstream of the media subject to plugging that are not subject to pressure, and are not designed to withstand any water pressure.

Also, there is no exemption for cyclic pressure testing. If the components downstream of media subject to plugging and not under pressure in the off mode are not designed to withstand elevated pressure, they should also be exempt from cyclic testing.

Recommendation:
Clearly state what action is needed: e.g., recommended changes to the standard(s) including the current text of the relevant section(s) indicating deletions by use of strike-out and additions by highlighting or underlining; e.g., reference of the issue to a Task Group for detailed consideration; etc.

Add the following language to 5.4.4. Cycle test:

Components downstream of the system on/off valve that are not subject to pressure under the off mode, and that either contain no media subject to plugging or are not designed to contain media, shall be exempt from the cyclic pressure test but shall be watertight in normal use. Components that are downstream of the system on/off valve but upstream of media subject to clogging shall meet the requirements of this section.

The second recommendation is to remove footnote 2 from Table 5.1, as it is redundant.

Supplementary Materials (photographs, diagrams, reports, etc.):
If not provided electronically, the submitter will be responsible to have sufficient copies to distribute to committee members.
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Is this a revision of a previous Issue Paper (if yes put original issue number): no
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Please submit to: Joint Committee Secretariat, Monica Leslie, mleslie@nsf.org or to standards@nsf.org

*Type written name will suffice as signature