

REQUIRED INFORMATION FOR THE REVIEW OF WATER TREATMENT DEVICES

- A. **If your complete product, not separate subcomponents, is currently listed under NSF International Standards 42, 44, 53, 55, 58, or 62, for all performance claims, by an American National Standards Institute (i.e. ANSI) accredited listing agency [e.g. NSF International (NSF), Underwriters Laboratories (U.L.), Water Quality Association (WQA)], then the product is exempt from product review and approval.**
- B. If your product ***is not*** listed by an ANSI accredited listing agency, then submit the following:

A completed Plumbing Product Review application form [SBD-7966] must be submitted by the applicant along with the appropriate fee. The fee schedule appears on the application form:

<https://dsps.wi.gov/Documents/Programs/Plumbing/SBD7966.pdf>

The following information must be submitted with each application form:

1. A copy of all promotional materials (e.g. sales literature, audio and video presentations) that will be used with the device in Wisconsin.
2. A written detailed description of the product.
3. Detailed assembly drawings.
4. All Product labeling.

For examples of what information is typically required to appear on an acceptable label consult the appropriate national standard from item #9 of this list.

5. Complete installation instructions, including detailed installation drawings indicating all connections between the product and a plumbing system.
6. Specifications for all wetted (i.e. water contacting) materials of construction. All wetted materials of construction must also be documented as acceptable for contact with potable water. Examples of acceptable documentation include:
 - a. For materials that are listed by NSF, U.L. or WQA specify the manufacturers name, material, trade designation, the standard the material is listed under and that the material is listed by NSF, U.L. or WQA.
 - b. The results of a chemical extraction test performed in accordance with the appropriate NSF standard.
 - c. For materials that are accepted for repeat use food contact by the United States Food and Drug Administration (FDA), specify the manufacturer's name, material, trade designation and the specific Code of Federal Regulations (CFR) number.
 - d. For metallic materials, specify the percentage composition of each metal or alloy.

7. A list of all standards to which the product conforms with. For a list of commonly used, nationally recognized industry standards see item #9 of this list.
8. The trade name, scientific name and chemical formula of any chemical used in the product that may be added to or leached into the water as part of the treatment process or as a results of the treatment process. Documentation must be included showing that these chemicals are accepted for use with potable water by the EPA, FDA, NSF, U.L. or WQA, or other national agency acceptable to the department.

Products that contain a media or substance that requires the sacrificial release of regulated contaminants to reduce specific contaminants from water must include effluent monitoring for the contaminant in conjunction with all effluent samples. An example of this type of media is copper/zinc media.

9. A signed report, by an independent testing laboratory or the manufacturer, which concludes that the product performs in accordance with the assertions submitted to the department. The test report must be complete enough to verify an acceptable testing protocol was used and to identify the laboratory that performed the testing. Acceptable testing protocols include those specified in the following standards:

NSF/ANSI *International Standards* 42, 44, 53, 55, 58 or 62
WQA Standards S-100, S-200, S-300 or S-400

If varying from the testing protocols contained in these standards, it is **strongly** recommended that the variations be accepted by this department in writing **prior to** performing any testing on the product. Otherwise we cannot guarantee that the results of the testing will be accepted.

For products that are not covered by the given NSF or WQA Standards, then contact this department for an acceptable testing protocol.

10. A graph indicating the pressure loss, in psig, through point-of-entry (i.e. whole house) products, over the entire flow rate range of the device. Point-of-use products are exempt from this requirement.
11. A hydrostatic pressure test. As a minimum, we require a hydrostatic pressure test be performed at 150 psig, for a duration of fifteen minutes, at a water temperature of approximately 73.4° F. This information is only required for in-line products subject to line pressure. Products that discharge to atmosphere are exempt from this requirement.
12. An operation and maintenance manual or instructions. For examples of minimum information which should be included in the manual or instructions, see the appropriate standard from item #9 of this list.

We reserve the right to request any specific performance test data required to make a final determination on a product.

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A. **Any questions, comments or concerns, please contact:**

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B. **Information may be identified as confidential by a submitter.** Such identification must be made at the time of submittal by permanently marking “confidential business information” on **each** page containing information deemed a trade secret under ss.134.90 (1) (c) which reads:

“Trade secret” means information, including a formula, pattern, compilation, program, device, method, technique or process to which all of the following apply:

1. The information derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use.
2. The information is the subject of efforts to maintain its secrecy that are reasonable under the circumstances.

C. **The Reduction of Lead in Drinking Water Act** (SDWA Section 1417) can be confusing for some people. The act became effective nationwide on January 4, 2014. The act limits lead content to a weighted average of $\leq 0.25\%$. The primary concept to remember is if the plumbing item in question is installed in a potable water supply system in a location in which it can reasonably be expected to contact water that may be consumed, then that item is subject to the act.

However, there are also some important exemptions. For example:

1. One exemption is for “pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers, that are **used exclusively for nonpotable services**, such as manufacturing, industrial processing, irrigation, outdoor watering, **or any other uses where the water is not anticipated to be used for human consumption**

2. Another exemption is for “toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches in diameter or larger.

Items covered under either exemption may contain any amount of lead.

D. Links:

1. Plumbing Code (i.e. chs. SPS 381-387 Wis. Adm. Code):
<http://dsps.wi.gov/Programs/Industry-Services/Industry-Services-Programs/Plumbing/Plumbing-Code/>
2. Plumbing Product Listing Service:
<http://dsps.wi.gov/Default.aspx?Page=2e719db6-3d2a-4bd7-ae2c-d58b16ded430>

E. OTHER INFORMATION

- Products that are private labeled (i.e. manufactured by one company but labeled for another) require separate submittals.
- If granted, the term of an approval is five years. All manufacturers are notified six months prior to their expiration date via a renewal application and instructions. Approvals can be renewed for additional five years terms (\$125.00 renewal fee). Products can also be revised (modified) after being approved, however, the manufacturers must apply for a revision (\$125.00 revisions fee). If an approved plumbing product is modified or additional assertions of function or performance are made, the approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- Carafe type, pour-through water filters are exempt from the product review process because they are not installed in or on a water supply system.
- The scope of Wisconsin's water treatment device review program is limited to devices serving:
 1. One and two family dwellings (e.g. homes and duplexes).
 2. Two or less dwelling units in a multi-family dwelling (e.g. apartments and condos)
 3. Non-transient non-community (NTNC) water systems. NTNC water systems are water systems that serve at least 25 of the same people over six months of the year. Examples of NTNC systems include, but are not limited to, schools, daycares, factories and businesses. SDWA violations only, as directed by the WDNR.
 4. Transient non-community (TNC) water systems. TNC water systems are water systems that serve at least 25 people at least 60 days of the year but do not serve the same 25 people over six months of the year. Examples of TNC systems include, but are not

limited to, motels, restaurants, parks, taverns and gas stations. SDWA violations only, as directed by the WDNR.

5. In-store, consumer self-service, bottled water vending machines

Water treatment devices not covered by categories 1-5 immediately above are exempt from the product review process.

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