

REQUIRED INFORMATION FOR THE REVIEW OF PREFABRICATED PLUMBING SYSTEMS (PFPS)

The product manufacturer or distributor must submit a completed Plumbing Product Review Application form (SBD7966):

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

The following information must be submitted with each application form:

1. Copies of sales brochures, catalogs and other promotional materials that will be used in Wisconsin.
2. Two copies of detailed assembly drawings which include the following:
 - a. Floor plans showing drain, vent, water supply system and all fixtures, devices and equipment to be installed.
 - b. Riser diagrams of the drain, vent and water supply systems, **with pipe sizes and pipe fitting model numbers specified.** Pipe fitting specifications may include “or equal” after each model number).
 - c. Complete calculations for sizing the water supply system indicating the minimum water pressure at the point of connection. See page 2.
3. Copy of a fitting catalog showing each pipe fitting used in the prefabricated plumbing system. Catalogs for waste fittings must list the radii for the fittings used. The catalog must be for the fitting model numbers specified.
4. A list of all national standards, referenced in chs. SPS 382 and/or 384 Wis. Adm. Code, to which the components of the prefabricated plumbing system conform.

Note: The list must include standards for exposed faucets, fixtures and fixture connections need not be listed.

5. For construction materials that come into contact with potable water, documentation shall be provided that establishes the material is acceptable for contact with potable water, by the U.S. Environmental Protection Agency (EPA), U.S. Food and Drug Administration (FDA), National Sanitation Foundation (NSF) or other agency acceptable to the department. Concealed metallic **water supply** system components shall specifically show compliance with NSF Standard 372.
6. Joining methods or national standards for the installation of all materials in the prefabricated plumbing system.

7. Detailed information on the size, color, location, information shown and methods for labeling the prefabricated plumbing system. Actual labels are acceptable.

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

Glen Schlueter

Phone: 608-267-1401

Fax: 608-267-9723

Email: glen.schlueter@wisconsin.gov

- 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. WATER SIZING CALCULATIONS FOR PREFABRICATED PLUMBING SYSTEMS

Use the following formula to determine the water pressure at the point of connection:

$$A = [(B \times C) \div 100] + D + E + F$$

Where:

A= Water pressure required at the point of connection.

B=Developed length from point of connection to controlling fixture in feet__x 1.5

C=Permissible uniform pressure loss from friction (psi/100 ft. of pipe)

D=needed at controlling fixture in psi

E=Pressure loss due to water heaters, water treatment devices and backflow preventers is psi.

F=Difference in elevation between point of connection and controlling fixture in feet___x0.434 psi/ft.

Note: 20 psi/100ft. is recommended for permissible uniform pressure loss for friction.

- D. **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.

E. 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>

(Rev. 5/16 GWS)