NSF International
Special Engineered Specification
NSF SE 1826

Washing Machine Water Supply Line

The Public Health and Safety Company.™

SPECIFICATIONS FOR A SPECIAL ENGINEERED (SE) PRODUCT
SE 1826

Washing Machine Water Supply Line

1. Purpose:
This specification defines the product specific requirements for Washing Machine Water Supply Lines, which comply with the non-dimensional requirements of ASME A112.18.6.

2. Scope of Specification:
The scope of this specification is to outline the requirements and test methods for in-plant quality control testing, marking, materials, coatings, dimensions, impulse testing, hydrostatic burst test, and pressure drop test on the Washing Machine Water Supply Line.

3. Application:
These products utilize a metal connecting nut with modified threads. The dimensions of the connector are engineered for optimal functionality with the purchasing customer's product, and are not per the ASME A112.18.6 dimensional requirements. The risers have been evaluated for use as a potable water appurtenance.

4. Reference Documents:
ASME A112.18.6 Section 2
NSF Standards:
NSF Standard 14 – Plastic Piping System Components and Related Materials
NSF Standard 61 – Drinking Water Systems Components – Health Effects

5.0 Testing Requirements:
5.1 – Material Evaluation – Washing Machine Water Supply Lines must comply with the requirements ASME A112.18.6 Section 3.1, where products that are a part of the potable water system must comply with the applicable requirements of NSF/ANSI Standard 61.
5.2 – Coatings – Coatings that may be used on Washing Machine Water Supply Lines systems shall comply with the requirements of ASME A112.18.6 Sections 3.2.1 – 3.2.3.
5.3 – When tested in accordance with ASME A112.18.6 Section 4.2 Washing Machine Water Supply Lines shall comply with the impulse testing requirements set down by ASME A112.18.6 Section 4.2.
5.4 – A Hydrostatic burst test shall be performed on connectors at 180° F and shall meet the minimum requirements identified in ASME A112.18.6 section 4.3.
5.5 – Connectors shall meet or exceed the pressure drop requirements specified in ASME A112.18.6 Section 4.4 and Table 1.

6.0 Materials
6.1 – Washing Machine Water Supply Lines used in potable water systems shall meet the applicable sections of NSF/ANSI Standard 61.
6.2 – Washing Machine Water Supply Lines shall meet the requirements specified in ASME A112.18.6 section 3.1.

6.3 - Washing Machine Water Supply Lines shall meet the working temperatures (40° F – 150° F and ½ hour at 180° F) and working pressures (125 psig) of ASME A112.18.6 Sections 3.5 – 3.6 without failing.

7.0 Product Marking

7.1 – Product marking shall be applied in such a manner that it remains legible under normal handling and installation conditions.

7.2 – Product marking, at a minimum shall consist of the following:

- Identification of the manufacturer
- NSF – pw – SE
- Per Section 5.b of ASME A112.18.6, the following statement shall be applied –
    - For Use With Water In Accessible Locations Only

8.0 In-Plant Q.C. Requirements:

The following tests are to be performed per Table 26 of NSF/ANSI Standard 14. These tests shall be performed per Section 5 of this document.

Table 26 – Flexible water connectors

Test	Frequency		
	Tubing	Fittings	Complete assembly
dimensions[1]	2 h	—	—
wall thickness (insert)	—	24 h	—
compression rings	—	24 h	—
all other required insert dimensions	—	weekly	—
thread gauge	—	24 h	—
insert length	—	weekly	—
thread length[2]	—	(see footnote 2)	—
coatings	annually	annually	annually
impulse testing	annually	annually	annually
hydrostatic burst pressure	weekly	weekly	weekly
pressure drop test	annually	annually	annually
product standard	ASME A112.18.6		

[1] Dimensions shall be verified against the manufacturer's design specifications as applicable.
[2] Thread length is only required to be verified at the time a new tool is "qualified" or when new or repaired thread cores are made.