



# Class 1

## Building Product Information Sheet

Product name:

Hansen Foot Valves

Product description and its intended use (*measurements, materials, usage*):

Compliance: AS/NZS4020:2018

Product Code: FV

Description: Diaphragm operated foot valve for use with Potable and non Potable drinking water systems. Maximum system operating pressure is 16.0 bar at 20 Deg C. Valve can be serviced without removing it from the pipe work.

Hansen Foot Valves are intended for use with potable and non potable cold water applications. Size range is from 25mm to 63mm.

Applications:

- Foot valves for both Potable and Non Potable Water Supply. Can be used to prevent loss of prime in pumps, and water supply systems.

Product identifier by product code:

HFV - Hansen Foot Valve

Product identifier (*if applicable*):

FV - Hansen Foot Valve

Place of manufacture: ☒ Aotearoa New Zealand ☐ Overseas

Legal and trading name of the manufacturer(s):

Hansen Products (N.Z.) Limited

Address for service:

STREET NAME 16 Union East Street

SUBURB Port Whangarei

CITY, COUNTRY Whangarei New Zealand

POSTCODE 0110

Website:

www.hansenproducts.com

Email address:

orders@hansenproducts.co.nz

Phone no. (*if applicable*):

09 430 4140

NZBN (*if applicable*):

9429039916716

Legal and trading name of the importer (if applicable):

Address for service:

STREET NAME	SUBURB
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CITY, COUNTRY	POSTCODE
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Website:

Email address:

Phone no. (if applicable):

NZBN (if applicable):

Relevant Building Code clauses:

B2 Durability: Performance Clauses B 2.3.1 (c)

G12 Water Supply.

Statement on how the building product is expected to contribute to compliance:

B2 N.Z.B.C. Clause B 2.3 (c). (5 years – services which are easy to access and replace)

New Zealand Building Code Clause G12 Water Supply. G12.1 (a), G12.3.2(c), G12.2, G12.3.3, G12.3.7

Hansen Foot Valves are fit for purpose as defined by section B3 of AS3500.1:2021. This meets the requirements of the NZ Building code Clause G12.

- options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)
- standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured
- physical properties of the building product
- how the building product is intended to be used.

**Limitations on the use of the building product:**

Limitations: Hansen Foot Valves should not be used:

- As a conductor for earthing electrical appliances.
- All fire rated applications.
- Any continuous services above 60 Deg C internal or external temperature, or where specific provision for pressure derating has not been made.
- Any negative pressure (suction) condition that differs from Hansen technical information without first consulting Hansen products.
- With any products marked as "Bad" in the currently published Hansen chemical resistance chart.
- Where the liquid in the pipe becomes solid (frozen).
- With compressed air, medical gas, or fuel gas.
- Use of Hansen Foot Valves under driveways, paths or foundations or inside wall linings is not recommended unless provision is made for easy access to the valve.
- Where maximum system pressure in all situations including startup, shutdown, pressure surging and water hammer events exceeds PN16 or 1600KPA.

**Design requirements that would support the appropriate use of the building product:**

Hansen Foot Valves comply with the design requirements of AS3500.1:2021. The method of compliance is via conformance to Appendix B "Demonstrating products and materials are fit for purpose" Section B3.

**Installation requirements:**

Design & Installation: Hansen Foot Valves. Should be installed in accordance with the following Standards:

- General Installation:  
AS/NZS 2033, "Installation of Polyethylene pipe systems"
- Buried Structural Design:  
AS/NZS 2566 Part 1 and supplement 1. "Buried Flexible Pipelines - Structural Design"
- Detailed Installation and Site Pressure Testing:  
AS/NZS 2566 Part 2 "Installation"
- Hansen published installation recommendations available on Hansen website ([www.hansenproducts.com](http://www.hansenproducts.com))

## Maintenance requirements:

None in normal service

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?:

☐ Yes ☒ No

If yes, description of the warning or ban under section 26:

Version:

10a

Date:

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