



Class 1

Building Product Information Sheet

Product name:

Hansen Full Flow Ball Valves

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

Compliance: AS/NZS4020:2018
Product Code: HBV
Description: Nylon Ball valve for use with Potable and non Potable drinking water systems. Size range is 15mm to 50mm.

Hansen Full Flow Ball Valves are intended for potable cold water applications underground or potable cold water plumbing applications above ground. Complies with NZ Building code Clause G12. Valve handle can be removed. Blue handle colour for Potable water. Lilac colour handle for non Potable water. For use with cold water only. Available with Female/Female BSP threads or Male/Female BSP threads. Resistant to natural UV (Sunlight).

Applications:

- Isolation valves for both Potable and Non Potable Water Supply

Product identifier (*if applicable*):

Hansen Full Flow Ball Valves

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:

Email address:

Phone no. (*if applicable*):

NZBN (*if applicable*):

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 Full Flow Ball 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 Full Flow Ball 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 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 Full Flow Ball 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 Full Flow Ball 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 Full Flow Ball 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.co.nz)

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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