Filter Stop & Non-Return Valve
BPIR Declaration

Version: 20/11/23

Designated building product: Class 1

Declaration

Apex Valves Limited has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	Filter Stop & Non-Return Valve
Identifier	FS15 FS20

Description

The FS Filter Stop & Non-Return Valve (FS15, FS,20) series are compact, 3-in-1 valves providing a filter, isolation, and non-return valve in one component for high flow rates. The body is made of forged, high quality, and corrosion resistant DR brass. The FS15 & FS20 are machined, assembled and 100% tested in NZ.

Specifications:

- 60 mesh (250 micron), stainless steel filter Maximum inlet pressure and temperature:
- Plastic Cap: 1000 kPa and 40°C

FS15:

- Inlet: 15mm, 1/2" BSP (male)
- Outlet: 15mm, 1/2" BSP (female)
- Length: 86mm

FS20:

- Inlet: 20mm, 3/4" BSP (male)
- Outlet: 20mm, 3/4" BSP (male)
- Length: 88mm

Scope of use

- Valves must be installed by a licensed plumber.
- Valves cannot be installed in the ground or where it can be submerged.
- Valves cannot be operated outside of the specified operating limits.

Conditions of use

- Refer to valve installation instructions available from https://www.wattsnz.co.nz/products , the relevant clauses from G12 and local regulations.
- Flush all pipes before installing the valve.
- Install the valve in a position where reasonable access is provided for maintenance and/or replacement.
- Do not install the valve in the ground or where it can be submerged.
- Indoor installation can be installed in any orientation. For outdoor installation, fit dust cap to top cartridge.
- Must be installed in the direction as indicated by the flow arrow.
- Where possible, install in a location where damage from flooding is minimised if a leak were to occur, e.g., outdoors or over a safe tray.
- Protect the filter stop and non-return valve from back pressure by installing a downstream expansion valve with an appropriate pressure setting.
- Seal threaded connections with PTFE tape, hemp thread, sealant approved for use with potable water or similar appropriate method.
- Pressure test the water system for leaks after installation.
- Do not apply heat near the valve during installation.
- Do not apply paint or similar to the outside of the valve.

Relevant building code clauses

B2 Durability - B2.3.1 (c)
F2 Hazardous building materials - F2.3.1
G12 Water Supplies - G12.3.5, G12.3.6
H1 Energy efficiency - H1.3.4

Contributions to compliance

- Commonly used for limiting pressure to a storage water heater, for example to meet G12/AS1 clause 5.4.1, 6.2.2 and 6.2.3.
- B2.3.1(c): FS has a durability of at least 5 years when installed according to instruction by a licensed plumber and maintained according to instruction.
- F2.3.1: Materials used are suitable for use in contact with drinking water, according to AS/NZS 4020:2018.
- G12.3.2: FS has a 60 mesh (250 micron) integral filter to protect the valve and water system from damage, malfunction, or contamination in accordance with G12/AS1 clause 6.2.3 and NZS 4608:1992. Materials used are suitable for use in contact with drinking water, according to AS/NZS 4020:2018.
- G12.3.7: FS complies with NZS 4608:1992, including full flow, dezincification resistant brass with <100 µm dezincification, depth, and 100% pressure and leak tested in production. Isolation valve is integrated to shut-off the downstream system in accordance with G12/AS1 clause 5.4.1. The filter is easily accessible for cleaning.

Contact details

Manufacture location	New Zealand
Legal and trading name of manufacturer	Apex Valves Limited
Manufacturer address for service	367 Rosebank Road Auckland 1026
Manufacturer website	www.wattsnz.co.nz/our-story/brands/apex
Manufacturer email	orders@apexvalves.co.nz
Manufacturer phone number	0800500484
Manufacturer NZBN	9429035030607

Responsible person

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that Filter Stop & Non-Return Valve is not subject to a warning on ban under s26 of the Building Act.

Signed for and on behalf of **Apex Valves Limited:**

Jeremy White
Marketing Manager
November 2023

Appendix

Building code performance clauses

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (c) 5 years if: the building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and failure of those building elements to comply with the building code would be easily detected during normal use of the building.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation, or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

G12 Water Supplies

G12.3.5

Sanitary fixtures and *sanitary appliances* must be provided with hot water when intended to be used for

a. utensil washing; and

b. personal washing, showering, or bathing.

G12.3.6

If hot water is provided to *sanitary fixtures* and *sanitary appliances* used for personal hygiene, it must be delivered at a temperature that avoids the likelihood of scalding.

H1 Energy efficiency

H1.3.4

Systems for the heating, storage, or distribution of hot water to and from *sanitary fixtures* or *sanitary appliances* must, having regard to the energy source used,

a. limit the energy lost in the heating process; and

b. be constructed to limit heat losses from storage vessels and from distribution systems; and

c. be constructed to facilitate the efficient use of hot water.