

Class 1 Water Hammer Arrestors

Building Product Information Requirements (BPIR)

Product Line: Sioux Chief Water Hammer Arrestors

Product Identifier(s):

7000, 7001, 7002, 7003, 7004, 7005, 7006, 7008, 7010, 7012, 7013

Product Description:

DN15-DN25 water hammer arrestors for use in plumbing installations.

Relevant building code clauses:

B2 Durability —	B2.3.1 (a)
F2 Hazardous building materials —	F2.3.1
G10 Piped services —	G10.3.1
G12 Water Supplies —	G12.3.2, G12.3.7
H1 Energy efficiency —	H1.3.3

Contributions to compliance:

All items listed under Product Identifier(s) are approved to AS 5200.007-2008. WaterMark licence number 020003.

Scope of use:

The Water Hammer Arrestor works on the principal of compressing air to absorb the induced pressure wave arising from a water hammer event. The arrestor is placed at 90° to the water flow, just upstream from the offending device. When the device closes the pressure wave begins to move back along the pipe. As it reaches the arrestor the force acts against a piston which in turn pushes against a charge of air, the air is compressed, dissipating the wave energy and nullifying the hammering effect.

Sioux Chief Water Hammer Arrestors are sized in accordance with the capacity of the arrestor air chamber. This capacity determines the suitability of the arrestor for any given application and is identified by the corresponding assigned letters e.g. 'AA'. A fixture unit is a quantity in terms of which the load producing effects on the plumbing system of different types of fixtures are expressed on an arbitrary scale. Refer to the technical information relating to sizing of arrestors via the link provided below under Supporting Documentation.

Conditions of use:

Sioux Chief water hammer arrestor valves must be installed by a suitably qualified person according to the rules of AS/NZS 3500.

Supporting Documentation:

Title (Type)	Version / Date	URL
Sioux Chief Water Hammer Arrestors	N/A	Click Here

Contact Details:

Manufacture Location:	Overseas
Legal and trading name of Manufacturer:	Reliance Worldwide Corporation (AUST.) Pty. Ltd.
Manufacturer address for service:	27 – 28 Chapman Place, Eagle Farm, QLD 4009 Australia
Manufacturer website:	www.rmc.com.au
Manufacturer NZBN:	
Manufacturer email:	sales.au@rwc.com
Manufacturer phone number:	+61 07 3018 3400

Importer Location:	New Zealand
Legal and trading name of Importer:	Reliance Worldwide Corporation (NZ). Pty. Ltd.
Importer address for service:	81 Apollo Drive, Rosedale, Auckland 0632
Importer website:	www.relianceworldwide.co.nz
Importer NZBN:	9429000011358
Importer email:	sales.nz@rwc.com
Importer phone number:	0800 800 523

Warnings and Bans:

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

No

Version: 1.0

Date: 2/11/2023

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