

Application

Designed for installation on water lines in fire protection systems to protect against both back-siphonage and backpressure of polluted water into the potable water supply. Assembly shall provide protection where a potential hazard exists (Low Hazard).

Standards Compliance

Australian Watermark and Standards Mark
UL Classified
FM Approved

(This product contains a weighted average lead content less than 0.25% for surfaces in contact with water per the requirements of Clause A5G4 of NCC 2022 Vol 3) (Plumbing Code of Australia)



LEAD FREE

Operating Parameters

Max. Working Water Pressure	1200kPa
Max. Working Temperature	60°C
Hydrostatic Test Pressure	2400kPa
End Connections	Flanges to AS2129



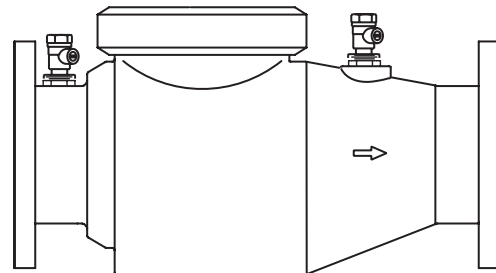
LEAD FREE
AS/NZS 2845.1
LIC. WMKA1379



STANDARDS MARK
AS/NZS 2845.1
LIC. SMK1379

Materials

Main Valve Body	Ductile Iron ASTM A536
Access Covers	Ductile Iron ASTM A536
Coatings	Fusion Epoxy Finish AS/NZS 4158
Fasteners	Stainless Steel, 300 Series
Internals	Stainless Steel, NORYL™
Elastomers	EPDM, Buna Nitrile
Springs	Stainless Steel, 300 Series

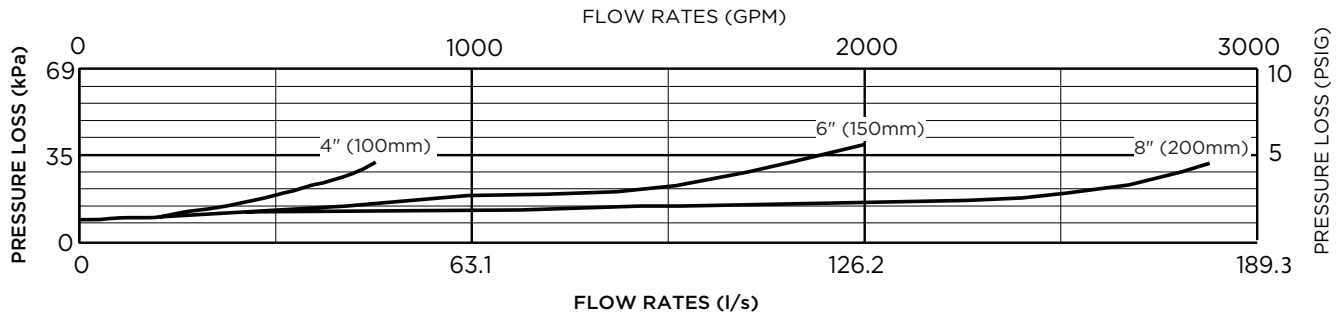


Dimensions & Weights (do not include pkg.)

VALVE SIZE mm	TESTING	FLANGE TYPE	REECE CODE	ZURN CODE	LENGTH mm	WEIGHT kg
100	TESTABLE	TABLE D	2120737	4-310BSD	419	28.6
100	TESTABLE	TABLE E	1006338	4-310BS	419	28.6
150	TESTABLE	TABLE E	1006339	6-310BS	572	60.4
200	TESTABLE	TABLE E	4000081	8-310BS	673	115.3

Flow Characteristics

MODEL 310 100mm, 150mm & 200mm (STANDARD & METRIC)



Note: The pressure losses depicted in the tables are for the device only and not the complete assembly.

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.

Specifications

The Single Check Valve shall be certified to AS/NZS 2845.1. The main body and access cover shall be epoxy coated ductile iron (ASTM A 536), the seat ring and check valve shall be NORYL™, the stem shall be stainless steel (ASTM A 276) and the seat disc elastomers shall be EPDM. The check valve shall be spring loaded and accessible for maintenance without removing the device from the line. The Single Check Valve shall be a ZURN WILKINS Model 310.