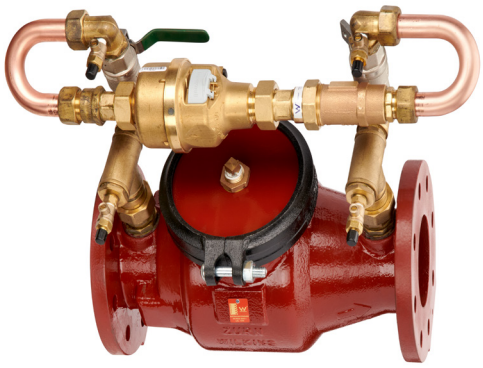
Backflow Prevention

310 Series SDCV 100-150mm

Application

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



LEAD FREE

Standards Compliance

Australian Watermark and Standards Mark
UL Classified
FM Approved

WATERMARK
AS/NZS 2845.1
LIC. WMKA1379

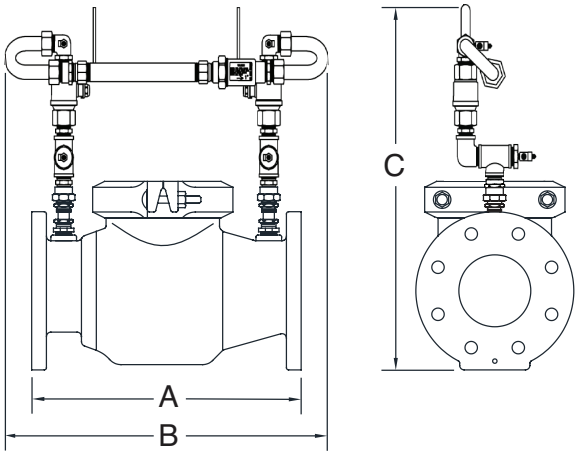
STANDARDS MARK
AS/NZS 2845.1
LIC. SMK1379

Materials

Main Valve Body	Ductile Iron
Access Covers	Ductile Iron
Coatings	Epoxy
Fastners	Stainless Steel
Internals	Stainless Steel, NORYL
Elastomers	EPDM, Buna Nitrile
Springs	Stainless Steel

Operating Parameters

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



Dimensions & Weights (do not include pkg.)

VALVE SIZE mm	BYPASS	FLANGE TYPE	REECE CODE	ZURN CODE	DIMENSIONS A mm	DIMENSIONS B mm	DIMENSIONS C mm	WEIGHT kg
100	SPACER	TABLE E	1000611	SE100-310DAL25T(FL)	419	552	723	20.3
100	METER	TABLE E	1000626	YVW100-310DAL25T(FL)	419	552	723	20.3
150	SPACER	TABLE E	1000613	SE150-310DAL25T(FL)	572	705	530	50.9
150	METER	TABLE E	1000628	YVW150-310DAL25T(FL)	572	705	530	50.9

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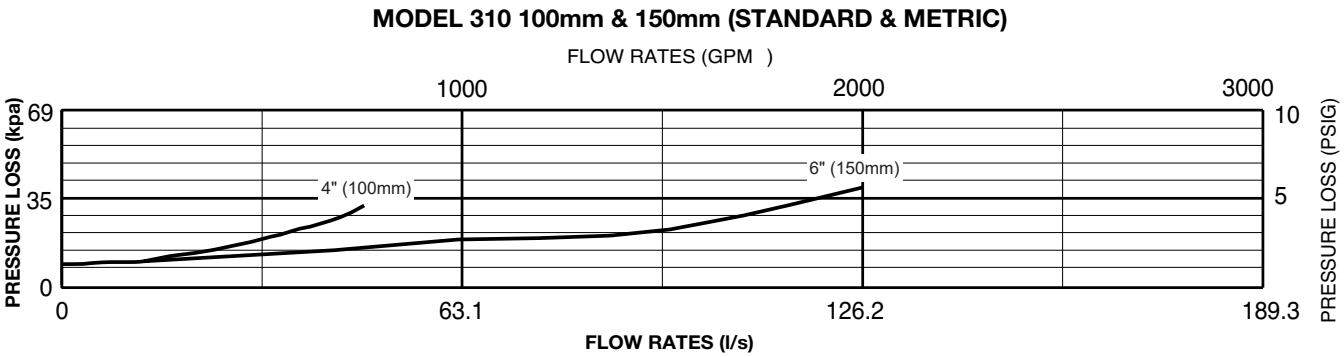
Flow Characteristics



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 Detector 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 Detector Check Valve shall be a ZURN Model 310.