

Single Check and Single Detector Check

Scope of Use / Specification Sheet

The Single Check and Single Detector Check Valve Assembly backflow preventer protects against backflow by either back-pressure or back-siphonage from a cross-connection between potable water systems and substances in 'low hazard' conditions in fire sprinkler systems.



SCV100

Product Code

Model	Size	Product Code
Flanged	100mm	SCV100
	150mm	SCV150
	100mm*	SDCV100
	150mm*	SDCV150
Grooved	100mm	SCV100G
	150mm	SCV150G
	100mm*	SDCV100G
	150mm*	SDCV150G
Metered Bypass Kit	20mm	SDCKIT20
	25mm	SDCKIT25

* with optional 20mm or 25mm Bypass Kit

Note: 200mm Devices available on request.

Description

The device is constructed from ductile iron (65-45-12). It consists of one (1) spring-loaded, center stem, guided check valve. The device has a cast ductile iron body, with a single access cover utilizing a grooved pipe coupling. The assembly has two (2) BSP tapped holes located upstream and downstream of the check valve for installation of the by-pass assembly (including a single check valve, shut-off valve and water meter) for detecting low flow.

Features and Benefits

- Device has top access entry for servicing
- End connections are Table E Flanged or Grooved
- Each check valve seat constructed from Noryl™ or bronze, and is replaceable
- Check valve held in place by a Noryl™ or Stainless Steel clip
- Backflow preventer suitable for supply pressure up to 1200kPa and water temperatures up to 60°C

Materials

Valve Body	Ductile Iron
Access Cover	Ductile Iron
Polymers	Noryl™, NSF Listed
Elastomers	Silicone Buna-n (FDA approved)
Springs	Stainless Steel
Coating	FDA approved fusion epoxy

Installation

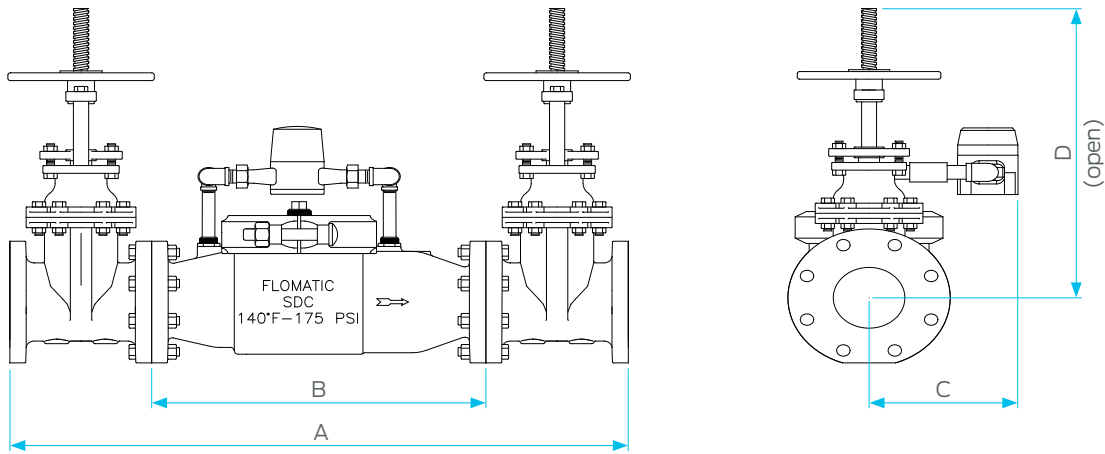
Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.

Single Check and Single Detector Check

Dimensions

Size	Part Number	A	B	C	D	Wgt (Flanged)	Wgt (Bypass)
100mm	SCV100, SDCV100	876	420	215	578	29	3
150mm	SCV150, SDCV150	1105	570	250	765	54	4
100mm	SCV100G, SDCV100G	876	420	215	578	29	3
150mm	SCV150G, SDCV150G	1105	570	250	765	54	4

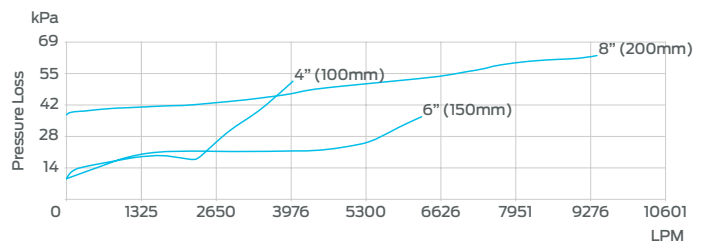
Note: All measurements in mm unless otherwise stated. All weights are in kg unless otherwise stated.



Technical Specifications

Maximum working pressure	1200kPa
Maximum working temperature	60°C
Hydrostatic Test Pressure	2400kPa
End Connections	Table E AS 2129
Flanged	Table E AS 2129
Grooved	AWWA C606

Flow Characteristics



Standards and Approvals



AS/NZS 2845.1:2010
LIC WMKA 22155
SAI GLOBAL

Warranty

Reliance Worldwide Corporation (Aust.) Pty. Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture within the warranty period. You may contact RWC at the phone number, address or e-mail shown below for further information or to make a claim.

Visit www.rmc.com.au/warranty to view the warranty statement in full and for further important information.



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