

# 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

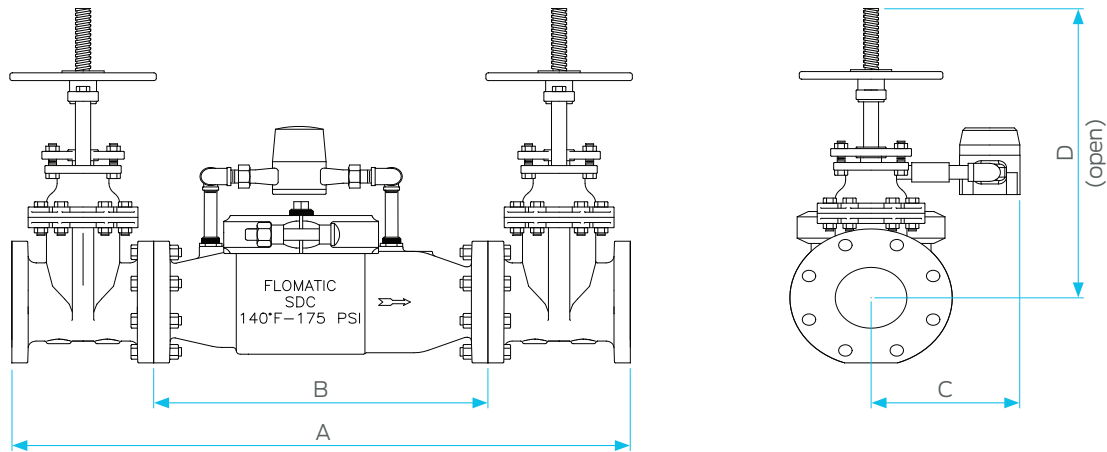
Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.

# 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

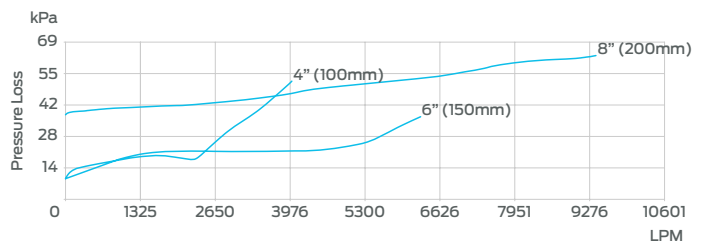
Note: All measurements in mm unless otherwise stated. All weights are in kg unless otherwise stated.



## 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](http://www.rmc.com.au/warranty) to view the warranty statement in full and for further important information.



[rmc.com.au](http://rmc.com.au) | 1800 810 803 | [sales@rmc.com.au](mailto:sales@rmc.com.au)

Reliance Worldwide Corporation (Aust.) Pty. Ltd. reserves the right to change any product specification or information contained in this publication at any time and without notice. All diagrams are illustrative only. Please consult OEM instructions and AS/NZS 3500 for all installations. ABN 71 004 784 301 | © September 2020