

# Double Detector Check Valves

## Scope of Use / Specification Sheet

The Double 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 'medium hazard' conditions. It is designed for use in fire service systems and allows monitoring of small draw-offs of water via the bypass.



DDC100GB-WM

### Product Code

Model	Size	Product Code
Double Check Detector Assembly	80mm	DDC80
	100mm	DDC100
	150mm	DDC150
	200mm	DDC200
Double Check Detector Assembly with Water Meter	80mm	DDC80-WM
	100mm	DDC100-WM
	150mm	DDC150-WM
	200mm	DDC200-WM
Double Check Detector Assembly with Water Meter & G.O. Butterfly Valves	80mm	DDC80GB-WM
	100mm	DDC100GB-WM
	150mm	DDC150GB-WM

### Description

The device features two mechanically independent, spring loaded, centre stem guided check valves. It can be installed in vertical or horizontal orientation.

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

### Features and Benefits

#### Main Valve

- Device has top entry design for ease of servicing
- Floating flange design for fast and easy installation (TABLE E)
- Stable performance
- No special tools required

#### Bypass

- Copper bends and flared fittings for rotatable position of bypass
- Serviceable in-line
- Supplied with spacer or water meter, as per water authority requirements

### Materials

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

### Installation

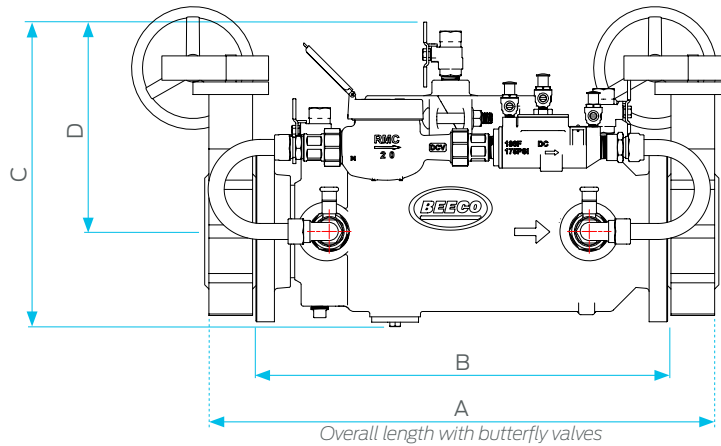
Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.

# Double Detector Check Valves

## Dimensions

Size	Part Number	A	B	C	D	Width	Wgt (with BV)	Wgt (less BV)
80	DDC80	692	600	360	250	420	64.2	51.8
100	DDC100	574	470	360	250	420	62.2	43.8
150	DDC150	690	578	486	322	420	108.2	81.8
200	DDC200	971	851	640	402	685	245.8	203.8
80	DDC80-WM	692	600	360	250	420	65.9	53.5
100	DDC100-WM	574	470	360	250	420	63.9	45.5
150	DDC150-WM	690	578	486	322	420	109.9	83.5
200	DDC200-WM	971	851	640	402	685	247.5	205.5
80	DDC80GB-WM	692	600	360	250	443	73.2	53.5
100	DDC100GB-WM	574	470	360	250	443	71.2	45.5
150	DDC150GB-WM	690	578	486	322	443	117.2	83.5

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

## Standards and Approvals



AS 2845.1  
WM74542

## Flow Characteristics

### 80mm – 150mm MODEL DDC

