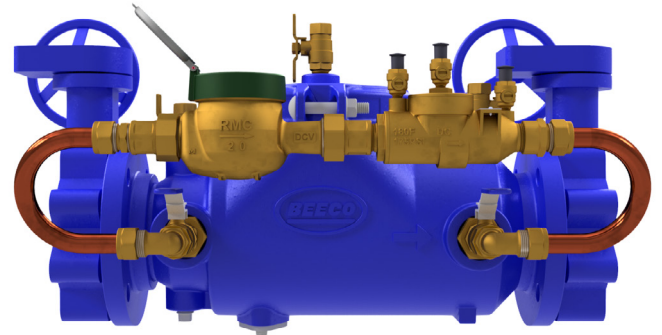


# Double Detector Check Valves

## 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.



DDCX100GB-WM

### Product List

Model	Size	Order Code
Double Check Detector Assembly	80mm	DDCX80
	100mm	DDCX100
	150mm	DDCX150
Double Check Detector Assembly with Water Meter	80mm	DDCX80-WM
	100mm	DDCX100-WM
	150mm	DDCX150-WM
Double Check Detector Assembly with Water Meter & G.O. Butterfly Valves	80mm	DDCX80GB-WM
	100mm	DDCX100GB-WM
	150mm	DDCX150GB-WM

### Features and Benefits

#### Main Valve

- Device has top entry design for ease of servicing
- 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

### 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. This product is compliant to the Lead Free requirements of the National Construction Code Volume Three. For further Scope of Use, please visit [www.rmc.com.au/resources](http://www.rmc.com.au/resources).

### 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.

### 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

### Description

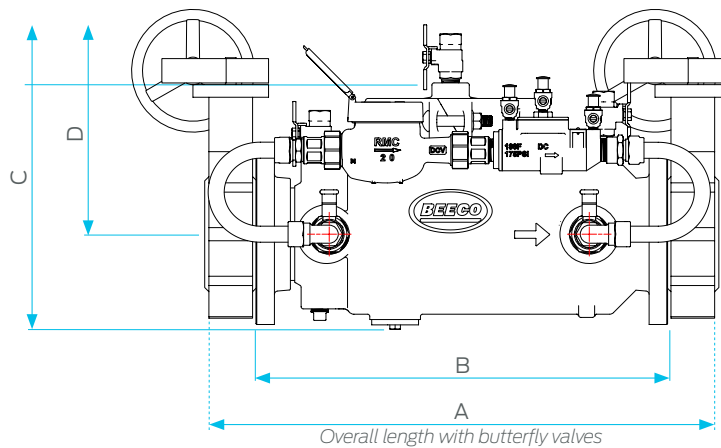
The device features two mechanically independent, spring loaded, centre stem guided check valves. It can be installed in vertical or horizontal orientation.

# Double Detector Check Valves

## Dimensions

Size	Order Code	A	B	C	D	Width	Wgt (with BV)	Wgt (less BV)
80mm	DDCX80	643	553	360	250	420	64.2	51.8
100mm	DDCX100	655	553	360	250	420	62.2	43.8
150mm	DDCX150	778	666	486	322	420	108.2	81.8
80mm	DDCX80-WM	543	553	360	250	420	65.9	53.5
100mm	DDCX100-WM	655	553	360	250	420	63.9	45.5
150mm	DDCX150-WM	778	666	486	322	420	109.9	83.5
80mm	DDCX80GB-WM	692	600	360	250	443	73.2	53.5
100mm	DDCX100GB-WM	574	470	360	250	443	71.2	45.5
150mm	DDCX150GB-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



Lead Free

AS 2845.1  
WM74542



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

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 | EPK0212\_2024\_v1

## Flow Characteristics

### 80mm – 150mm MODEL DDC

