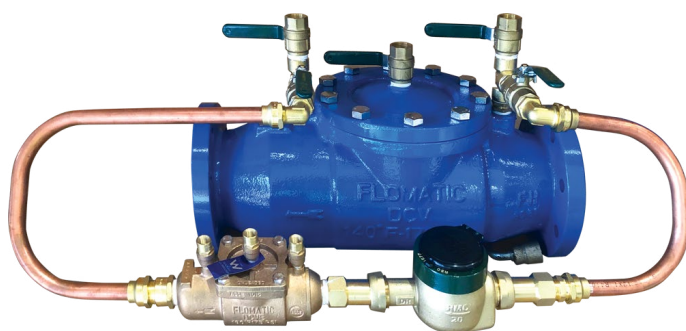


# Double Detector Check

## 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.



DCDA100-WM

### Product Code

Model	Size	Product Code
Double Check Detector Assembly	80mm	DCDA80
	100mm	DCDA100
	150mm	DCDA150
	200mm	DCDA200
Double Check Detector Assembly with Water Meter	80mm	DCDA80-WM
	100mm	DCDA100-WM
	150mm	DCDA150-WM
	200mm	DCDA200-WM
Double Check Detector Assembly with Water Meter & G.O. Butterfly Valves	80mm	DCDA80FS-WM
	100mm	DCDA100FS-WM
	150mm	DCDA150FS-WM
	200mm	DCDA200FS-WM

### Description

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

### 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.

### Features and Benefits

#### Main Valve

- Device has top entry design for ease of servicing
- End connection flanged (Table E)
- Designed for easy and quick in-line installation and testing
- 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

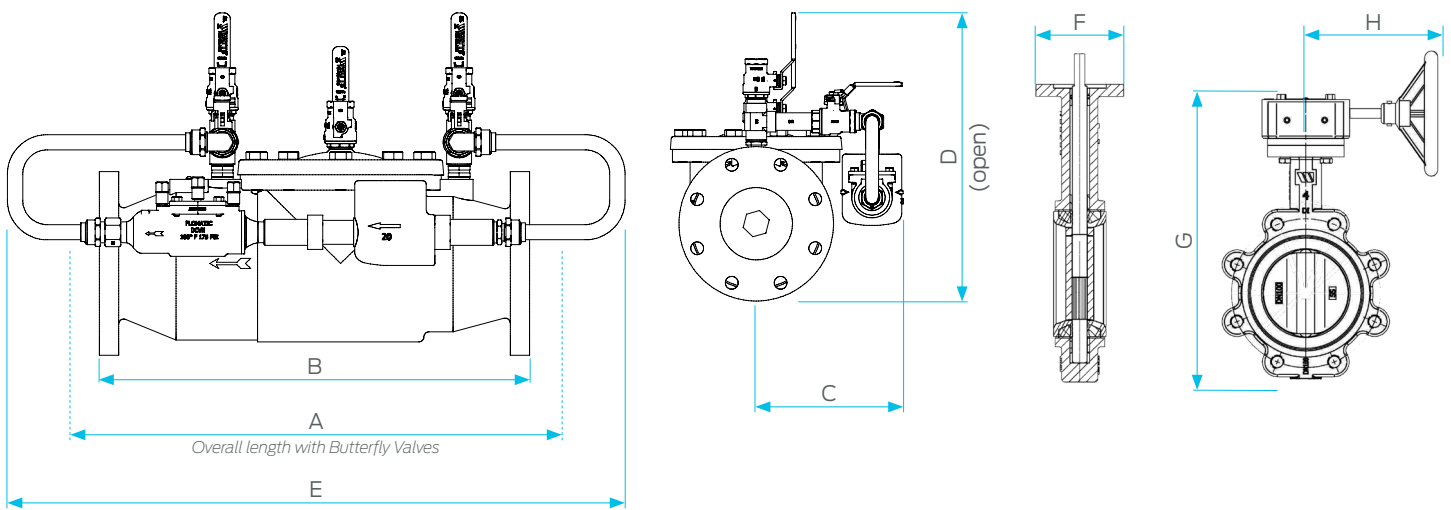
Valve Body	Ductile Iron
Access Cover	Ductile Iron
Polymers	Noryl™, NSF Listed
Elastomers	Silicone Buna-N (FDA approved)
Springs	Stainless Steel
Coating	FDA approved fusion epoxy

## Double Detector Check

### Dimensions

Size	Part Number	A	B	C	D	E	F	G	H	Wgt (incl. Bypass)	Wgt (incl. G.O. Butt. Valve)
80	DCDA80FS-WM	542	450	290	328	732	46	318	160	35	48
100	DCDA100FS-WM	641	535	310	330	770	53	346	160	57	77
150	DCDA150FS-WM	744	630	365	360	810	57	410	160	80	110
200	DCDA200FS-WM	960	835	415	392	885	62	485	240	145	180

**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

### 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.

### Standards and Approvals

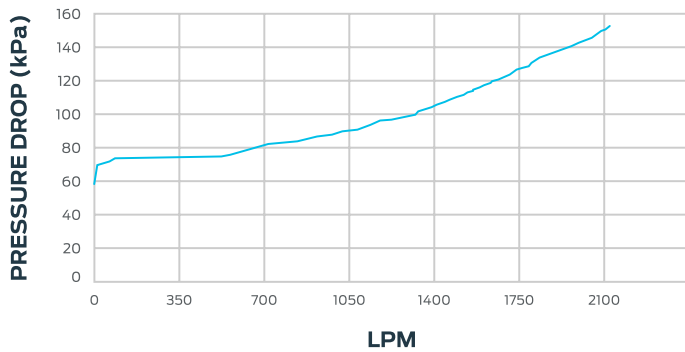


AS 2845.1  
WMKA 22155  
SAI GLOBAL

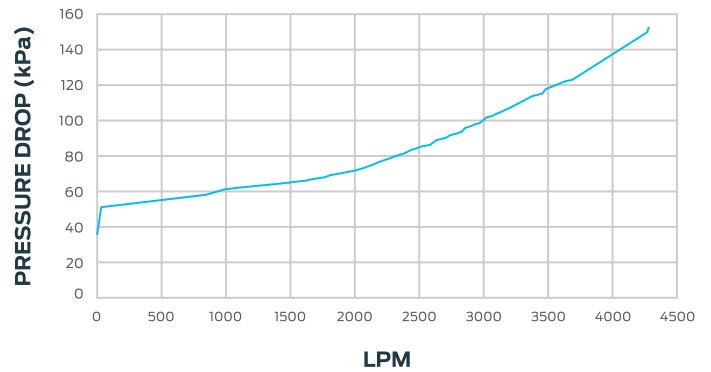
## Double Detector Check

### Flow Characteristics

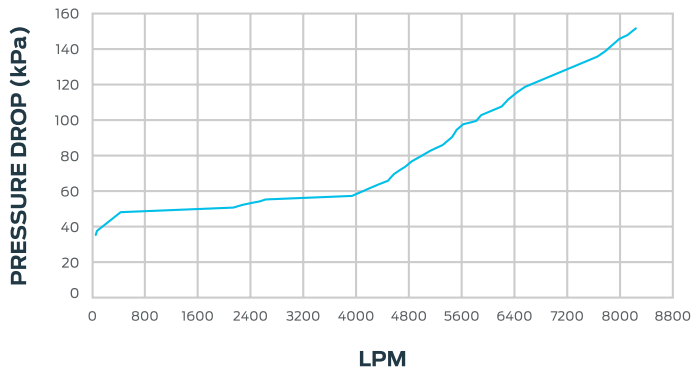
DN80



DN100



DN150



DN200

