

The background of the entire page is a close-up, artistic photograph of numerous water droplets. The droplets are in various stages of formation and movement, creating a sense of dynamic energy. They are rendered in shades of light blue and white, with bright highlights and soft shadows that give them a three-dimensional appearance. The overall color palette is a cool, monochromatic blue.

RMC™ \ FLOMATIC® VALVES

Backflow Prevention

Quick Reference Guide

What is Backflow?

Backflow is the term used to describe the reverse flow of potential contamination entering the potable water supply.



Backflow Prevention

While there are several ways to prevent both back-siphonage and back-pressure causing backflow, the most efficient, economical and safest is the correct application of an appropriate mechanical backflow prevention device.

RMC offers a complete range of backflow prevention devices. The company also has the local presence and necessary expertise to advise on the correct selection, application, installation and service from within this range to meet the requirements of specific circumstances.



Hazard Ratings

Low Hazard

Any condition, device or practice which, in connection with the water supply system, would constitute a nuisance but not endanger health or cause injury.

Medium Hazard

Any condition, device or practice which, in connection with the water supply system, has the potential to endanger health.

High Hazard

Any condition, device or practice which, in connection with the water supply system, has the potential to cause a serious health hazard or death.

Levels of Protection

Individual Protection

Backflow prevention provided at individual fixtures.

Zone Protection

Backflow prevention provided at the connection to specific sections of the water supply system within a building.

Containment Protection

Backflow prevention provided at the property boundary to protect the Authority's water supply from contamination.



Installation

Install Location

- Devices must not be located in a corrosive or polluted environment
- Devices must be readily accessible for maintenance and testing. Devices must not be located in ceilings or in areas without permanent standing space
- Devices must not be buried underground
- Vented or testable devices must not be located in pits unless permitted by the regulatory authority
- Where water hammer is occurring, surge protection (pressure reducing valve) or water hammer arresters must be installed
- Devices must not be subject to flooding
- Devices must not be subject to extreme heat



Installation

- Backflow prevention devices are to be installed in accordance with AS 3500.1, the manufacturer's specifications and local authority requirements
- Heat must not be applied to any device
- Line strainers are to be installed immediately upstream of a device (note: except in fire services)
- Resilient seated isolating valves are to be installed at each end of a device



- All pipe work is to be flushed prior to installation
- By passes without protection must not be installed around a device
- Where supply cannot be interrupted, a parallel installation is required
- Vent ports must be positioned to allow vision of discharge

Standards Approved

RMC is the Australian distributor for the Flomatic Backflow range of valves. RMC brand valves are the premier choice of valves in the Australian plumbing marketplace. Offering a complete range of valves including thermostatic mixing valves, combination non-return and isolating valves, pressure control, temperature control and expansion control valves. RMC is the leader in water flow control.

Want more information?

**Call our national customer
service hotline
1800 810 803
or visit
www.rmc.com.au**



Download a QR code reader on your smartphone and scan this to go to the RMC website.



Reduced Pressure Zone Device



Description	Size	Part Number Device Only	Part Number Complete
RPZD Backflow Preventer	15mm	SR001	SR001C
RPZD Backflow Preventer	20mm	SR002	SR002C
RPZD Backflow Preventer	25mm	SR003	SR003C
RPZD Backflow Preventer	32mm	SR004	SR004C
RPZD Backflow Preventer	40mm	SR005	SR005C
RPZD Backflow Preventer	50mm	SR006	SR006C



Description	Size	Part Number Device Only	Part Number Complete
PRZD Backflow Preventer	65mm	SR007	SR007C
RPZD Backflow Preventer	80mm	SR008	SR008C
RPZD Backflow Preventer	100mm	SR009	SR009C
RPZD Backflow Preventer	150mm	SR010	SR010C
RPZD Backflow Preventer	200mm	SR011	SR011C

RPZD Repair Kits

Size	Relief	1st Check	2nd Check	Rubber Kit
15-20mm	89880P9	89878P9	89879P9	B93RK99
25mm	89850P0	89848P0	89849P0	B92RK00
32mm	89850P2	89848P2	89849P2	B92RK02
40-50mm	89850P3	89848P3	89849P3	B92RK03
65-80mm	89850P5	89848P5	89849P5	B92RK05
100mm	89850P7	89848P7	89879P7	B92RK07
150mm	89850P9	89848P9	89879P9	B92RK09
200mm	89850P10	89848P10	89879P10	B92RK10

Double Check Valve



Description	Size	Part Number Device Only	Part Number Complete
Double Check Valve	20mm	SD002	SD002C
Double Check Valve	25mm	SD003	SD003C
Double Check Valve	40mm	SD005	SD005C
Double Check Valve	50mm	SD006	SD006C



Description	Size	Part Number Device Only	Part Number Complete
Double Check Valve	65mm	SD007	SD007C
Double Check Valve	80mm	SD008	SD008C
Double Check Valve	100mm	SD009	SD009C
Double Check Valve	150mm	SD010	SD010C
Double Check Valve	200mm	SD011	SD011C

DCV Repair Kits

Size	1st Check	2nd Check	Rubber Kit
20-25mm	89855P0	89849P0	B91RK00
40-50mm	89855P3	89849P3	B91RK03
65-80mm	89855P5	89849P5	B91RK05
100mm	89855P7	89849P7	B91RK07
150mm	89855P9	89849P9	B91RK09
200mm	89855P10	89849P10	B91RK10

Dual Check Valve



Description	Size	Product Code
Dual Check Valve F x F	20mm	7181
Dual Check Valve F x F	25mm	7182
Dual Check Valve M x F	20mm	7171
Dual Check Valve M x F	25mm	7172

No 7 Dual Check Valve



Description	Size	Product Code
Dual Check Valve	20mm	N7B200
Dual Check Valve	32mm	N7320
Dual Check Valve	40mm	N7400
HOT Dual Check Valve	15mm	N7155

Mini Dual Check Valve



Description	Size	Product Code
Mini Dual Check Valve M x M	15mm	7185
Mini Dual Check Valve Chrome M x M	15mm	7185.2
Mini Dual Check Valve M x F	15mm	7186
Mini Dual Check Valve Chrome M x F	15mm	7186.2
Dual Check Valve M x F to suit 1/2" hose taps	20mm	7179
Dual Check Valve M x F to suit 1/2" hose taps Chrome	20mm	7179.2

Backflow Device Test Kits

Description	Product Code
Backflow Device Test Kit	7190

Hose Connection Vacuum Breakers



Description	Size	Product Code
Hose Connection Vacuum Breaker	20mm	7105
Hose Connection Vacuum Breaker Chrome	20mm	7105.2
Hose Connection Vacuum Breaker	25mm	7107
Hose Connection Vacuum Breaker Chrome	25mm	7107.2

Single Detector Check Valves



Description	Size	Part Number Device
Single Check Valve	100mm Flanged	SCV100
Single Check Valve	150mm Flanged	SCV150

Double Detector Check Valves



Description	Size	Part Number Standard Device	Part Number Standard with Bypass
Double Check Valve	80mm	SD008FS	SD008FSBP
Double Check Valve	100mm	SD009FS	SD009FSBP
Double Check Valve	150mm	SD010FS	SD010FSBP

Quick Connect Kits

Description	Product Code
Quick Connect Kit	7190QC
Quick Connect Swivel Coupling Kit	7190SK
Quick Connect Bush Adaptor Kit	7190AK