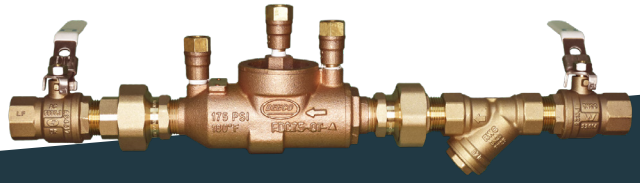
INSTALLATION REQUIREMENTS

Backflow prevention devices are to be installed in accordance with AS/NZS 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 (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.

Bypasses without protection must not be installed around a device.

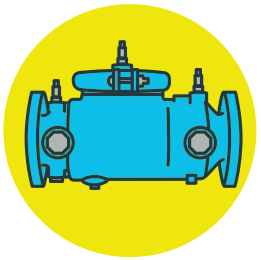
Where supply cannot be interrupted, a parallel installation is required.

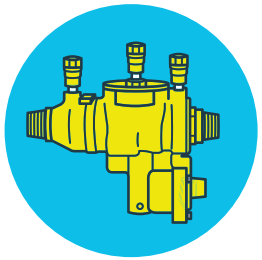
Vent ports must be positioned to allow vision of discharge.

STANDARDS APPROVED

RWC is the New Zealand distributor for the RWC BEECO Backflow range of valves.

RWC BEECO Valves are the premier choice for backflow in the New Zealand plumbing marketplace. With a complete range of BEECO Valves from RPZD backflow preventers, dual check valves, hose connection vacuum breakers to double check valves, RWC BEECO Valves are the leader in backflow prevention.





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0800 800 523
+64 9 6342893
relianceworldwide.co.nz
sales.nz@rwc.com

305 Neilson St Onehunga
Auckland 1061 New Zealand

BACKFLOW PREVENTION

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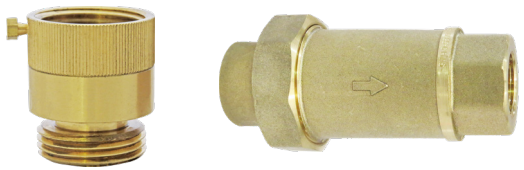
WHAT IS BACKFLOW?

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

RWC BEECO Valves offer 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 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 arrestors must be installed.

Devices must not be subject to flooding.

Devices must not be subject to extreme heat.

RWC BEECO®

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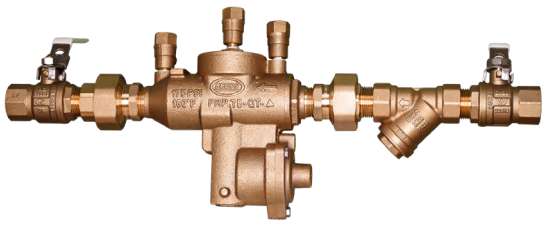
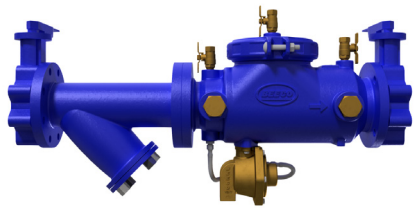
REDUCED PRESSURE ZONE DEVICES





RPZD Backflow Preventers 15mm – 50mm

Device Only	Complete with Lockable Ball Valves	Size
RPZ15	RPZ15C	15mm
RPZ20	RPZ20C	20mm
RPZ25	RPZ25C	25mm
RPZ32	RPZ32C	32mm
RPZ40	RPZ40C	40mm
RPZ50	RPZ50C	50mm

RPZD Backflow Preventers 65mm – 200mm

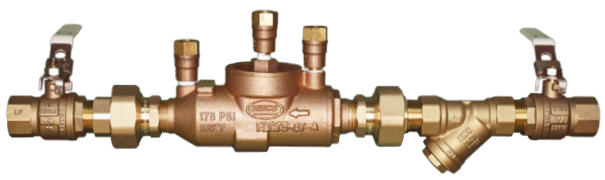
Device Only	Complete	Size
RPZ65	RPZ65C	65mm
RPZ80	RPZ80C	80mm
RPZ100	RPZ100C	100mm
RPZ150	RPZ150C	150mm
RPZ200	RPZ200C	200mm

REPAIR KITS

RPZD Repair Kits

Size	Relief	1st Check	2nd Check	Rubber Kit
15–20mm	RVP-1	CH1B-1	CH2A-1	RPZ-RK1
25mm	RVP-1	CH1B-2	CH2A-2	RPZ-RK2
32–50mm	RVP-2	CH1B-3	CH2A-3	RPZ-RK3
65–100mm	RVP-3	CH1B-5	CH2A-5	RPZ-RK5
150mm	RVP-3	CH1B-6	CH2A-6	RPZ-RK6
200mm	RVP-4	CH1B-7	CH2A-7	RPZ-RK7

DOUBLE CHECK VALVES



Double Check Valves 20mm – 50mm

Device Only	Complete with Lockable Ball Valves	Size
DCV15	DCV15C	15mm
DCV20	DCV20C	20mm
DCV25	DCV25C	25mm
DCV32	DCV32C	32mm
DCV40	DCV40C	40mm
DCV50	DCV50C	50mm

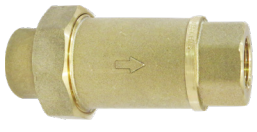
Double Check Valves 65mm – 200mm

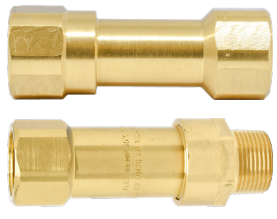
Device Only	Complete	Size
DCV65	DCV65C	65mm
DCV80	DCV80C	80mm
DCV100	DCV100C	100mm
DCV150	DCV150C	150mm
DCV200	DCV200C	200mm

DCV Repair Kits

Size	1st Check	2nd Check	Rubber Kit
15–20mm	CH1A-1	CH2A-1	DCV-RK1
25mm	CH1A-2	CH2A-2	DCV-RK2
32–40mm	CH1A-3	CH2A-3	DCV-RK3
50mm	CH1A-4	CH2A-3	DCV-RK4
65–100mm	CH1A-5	CH2A-5	DCV-RK5
150mm	CH1A-6	CH2A-6	DCV-RK6
200mm	CH1A-7	CH2A-7	DCV-RK7

DUAL CHECK VALVES





Dual Check Valves 20mm – 25mm

7182	25mm F x F
7171	20mm M x F
7172	25mm M x F

No. 7 Dual Check Valves 15mm – 40mm

N7155	15mm Hi Temp M x F
N7B200	20mm F x F
N7B201	20mm F x M
N7320	32mm F x F
N7400	40mm F x F

Mini Dual Check Valves 15mm – 20mm

7185	15mm M x M
7185.2	15mm M x M – Chrome
7186	15mm M x F
7186.2	15mm M x F – Chrome
7179	20mm M x F to suit ½" hose taps
7179.2	20mm M x F to suit ½" hose taps – Chrome

HOSE CONNECTION VACUUM BREAKER

Hose Connection Vacuum Breakers 20 – 25mm

7105	20mm
7105.2	20mm – Chrome
7107	25mm
7107.2	25mm – Chrome

SINGLE & SINGLE DETECTOR CHECK VALVES

Single & Single Detector Check Valves 100mm– 200mm

SCT100	100mm Flanged
SCT150	150mm Flanged
SCT200	200mm Flanged
SDCKIT20	20mm Metered Bypass Kit
SDCKIT25	25mm Metered Bypass Kit
SDCKIT25-Spacer	25mm Bypass Kit without Water Meter

DOUBLE DETECTOR CHECK VALVES

Double Detector Check Valves 80 – 200mm

Size	Device	Device with Bypass Water Meter	Device with Bypass & G.O. Butterfly Valves
80mm	DDC80	DDC80-WM	DDCGB80-WM
100mm	DDC100	DDC100-WM	DDCGB100-WM
150mm	DDC150	DDC150-WM	DDCGB150-WM
200mm	DDC200	DDC200-WM	

KITS

Backflow Device Test Kits

7190	Backflow Device Test Kits

Quick Connect Kits

7190QC	Quick Connect Kits

Quick Connect Swivel Coupling Kits

7190SK	Quick Connect Swivel Coupling Kits