

INSTRUCTIONS  
FOR USE

# A-dec<sup>®</sup> WS1.5

WATER CONTROL VALVE



 a dec<sup>®</sup>

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## Product Service

Product service is available through your local authorized A-dec dealer. For service information, or to locate an authorized dealer, contact A-dec at 1.800.547.1883 in the USA and Canada or +1.503.538.7478 worldwide, or visit [www.a-dec.com](https://www.a-dec.com).

## Product Models and Versions Covered in This Document\*

Models	Versions	Description
WS1.5	A	Water Control Valve

\* Equipment shown in this document may include optional features or accessories. Some products, versions, and options in this document may not be available in certain regions.

# Content Map

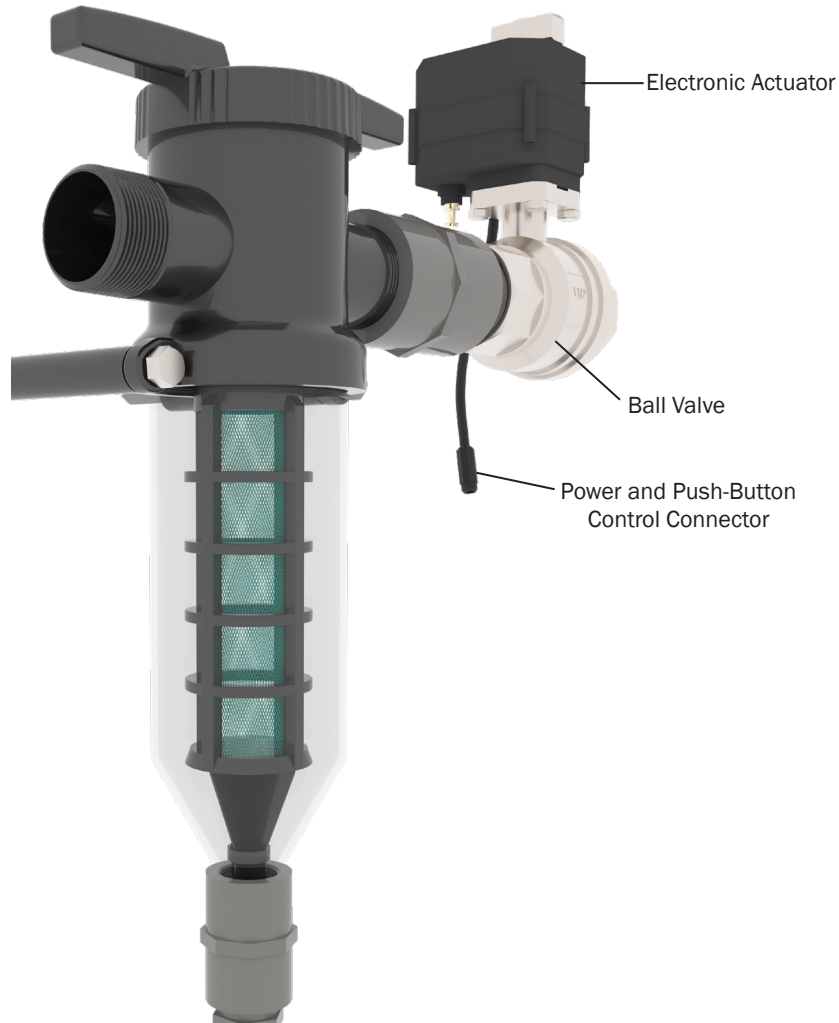


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# Operate/Adjust

## Operate the Water Control Valve



### Function of the Water Control Valve

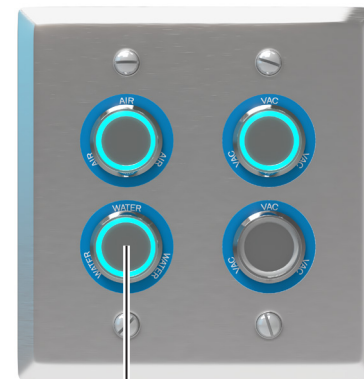
The water control valve is an electronically actuated ball valve controlled via a push-button control. Closing the valve when the office is not occupied prevents flooding if downstream equipment fails. In the event of power loss, the valve will automatically close.

### Open or Close the Water Control Valve

If you have optional LED push-button controls, push the water push-button once to open or close the water control valve. Blue LED lighting indicates that the valve is open. Press the illuminated water push-button to close the water control valve.

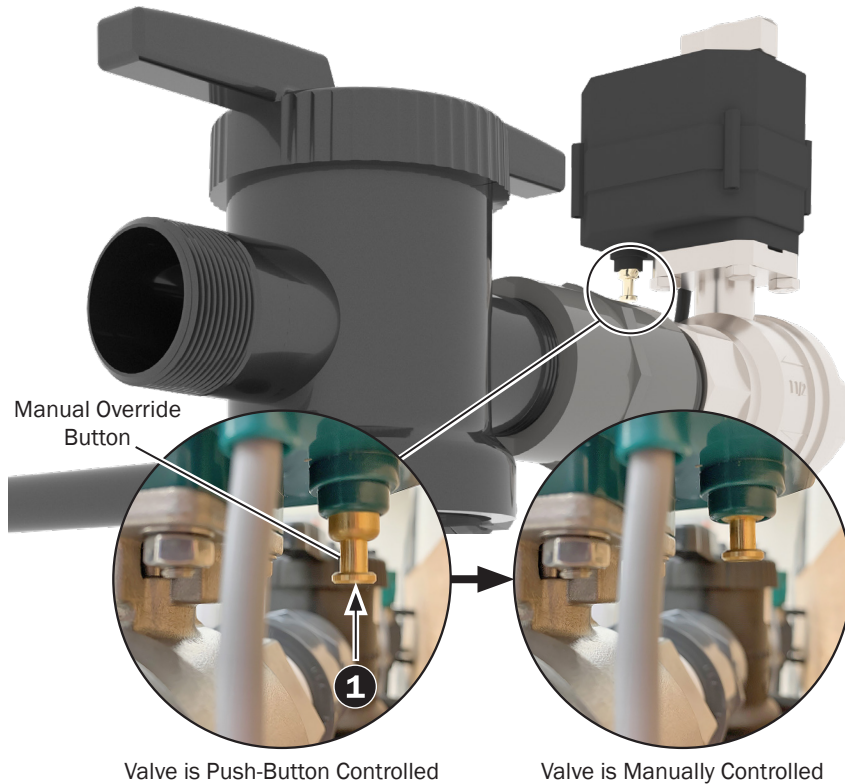


**NOTE** If the water control valve state does not change when the push-button is pressed, check the position of the manual override button on the water control valve. See page 3.



Water Push-Button

## Operate the Water Control Valve *(continued)*



### Manual Override of the Water Control Valve

In the event of a power outage, the water control valve will automatically close. To open it in this situation, follow the instructions below for a manual override.

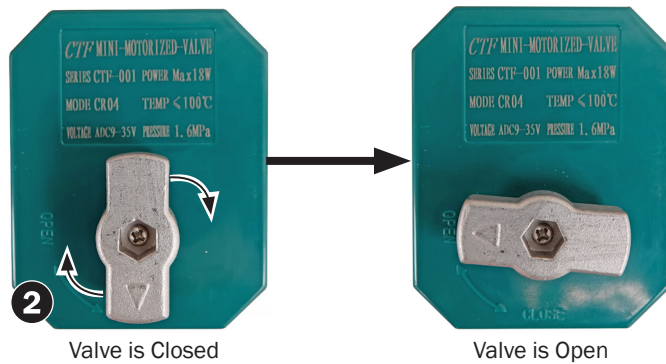
1. Push in the manual override button located at the rear of the water control valve.
2. Turn the knob on the top of the water control valve to OPEN.
3. To close the valve, turn the knob back to CLOSE and pull the manual override button out.



**CAUTION** Ensure that the override button is pulled out when using push-button controls. If the override button is pushed in, the push-button control cannot operate the valve, which may leave the office unprotected from flooding.

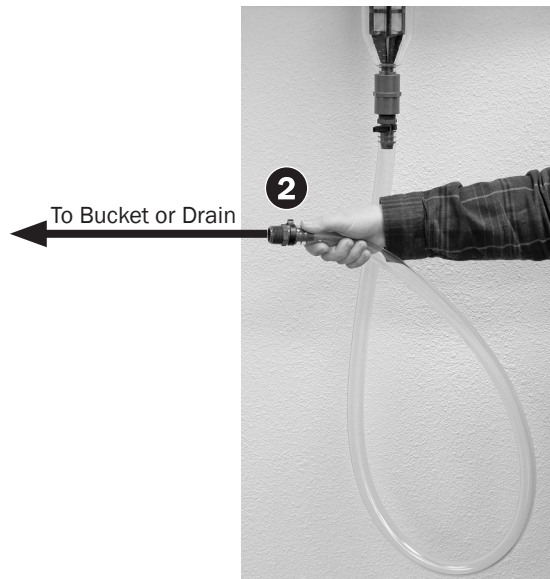


**NOTE** If you manually open or shut the water control valve when it is powered, the valve will automatically revert to the state determined by the push-button control.



# Clean/Maintain

## Flush the Filter Element



### Frequency of Filter Element Flushing

Particles and debris are removed from water as it flows through the filter element. The filter needs to be cleaned periodically in order to optimize filter performance, reduce system pressure loss, and prolong the life of the filter.

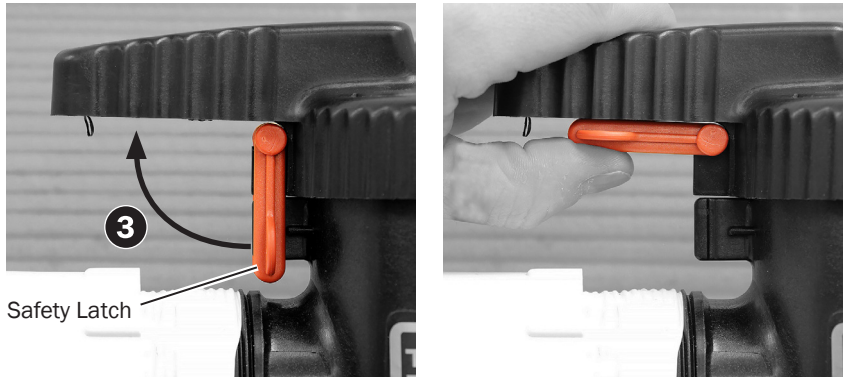
Visually inspect the filter element for material build-up. When the filter appears to be full of debris, flush the filter.

Flushing the filter reverses the direction of water flow through the filter element and washes debris out the flush exit at the base of the canister.

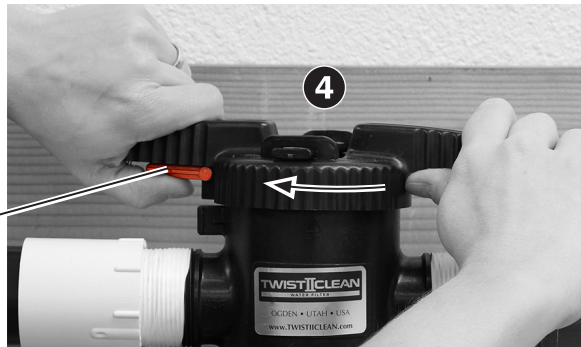
### Filter Element Flushing Instructions

1. Use the optional water LED push-button control to open the water control valve. The valve is open when the push-button is illuminated.
2. Direct the filter flush tubing to a bucket or drain.

## Flush the Filter Element *(continued)*



Hold the safety latch up while twisting the handles to avoid breaking the latch.



Handles in Flush Position



3. Raise the red safety latch on the side of the filter head.

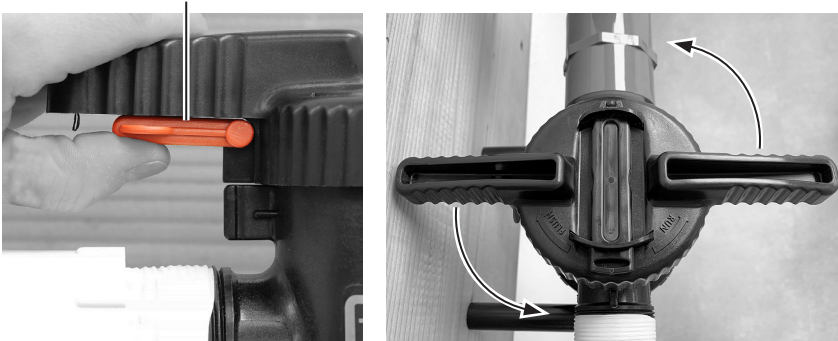


**CAUTION** Hold the red safety latch up when twisting the handles or the latch may break.

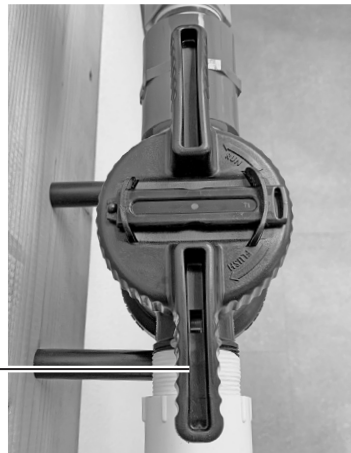
4. Keeping the safety latch raised to avoid breaking it, twist the handles clockwise to the flush position with the handles at 90° to the plumbing. The filter element will lift within the canister and water will flow through the flush exit at the bottom of the canister.
5. Flush the filter element until accumulated debris is removed from the element. If flushing the filter element does not completely remove debris, continue with "Manually Clean the Filter Element" on page 8. Otherwise, continue with step 6 on page 6.

## Flush the Filter Element *(continued)*

Hold the safety latch up while twisting the handles to avoid breaking the latch.



Handles in Run Position

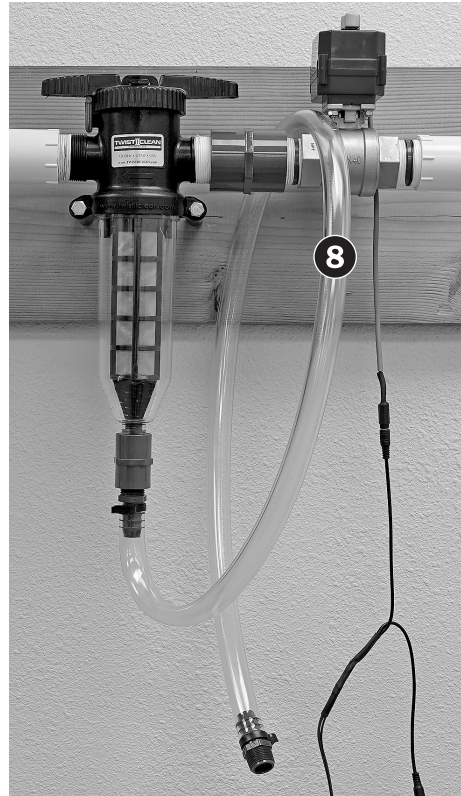


**CAUTION** Hold the red safety latch up when twisting the handles or the latch may break.

6. Holding the red safety latch up to avoid breaking it, twist the handles counterclockwise back to the run position with the handles parallel to the plumbing.

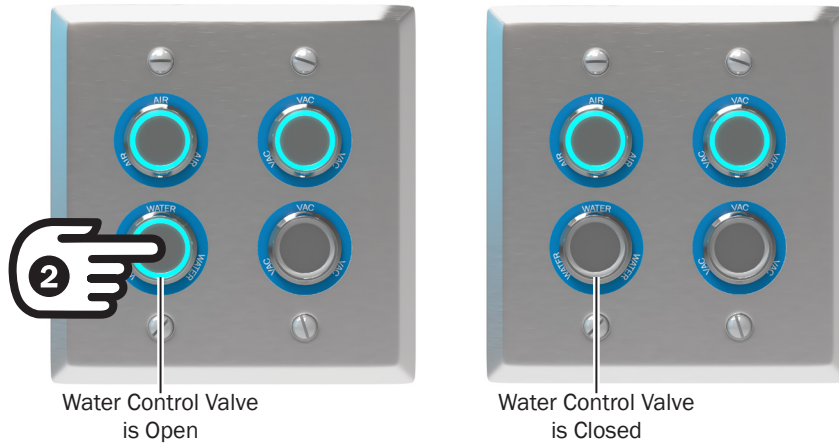


## Flush the Filter Element *(continued)*



7. Engage the red safety latch.
8. Hang up the flush tubing by draping it over the plumbing.

## Manually Clean the Filter Element



Water Control Valve is Open

Water Control Valve is Closed



### Frequency of Manual Cleaning

Manually clean the filter element if flushing does not completely remove debris.

### Remove and Clean the Filter Element

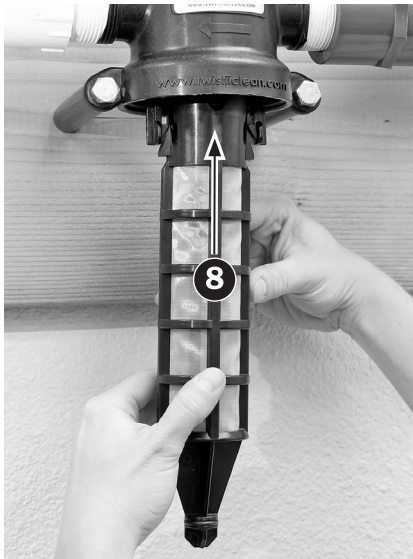
1. Complete steps 1-5 of "Flush the Filter Element" on page 4.
2. Use the optional water LED push-button control to close the water control valve. The valve is closed when the push-button is not illuminated. Let all the water drain out of the filter canister.



**CAUTION** The filter must be depressurized before the canister is removed.

3. Turn the filter canister clockwise to remove it.

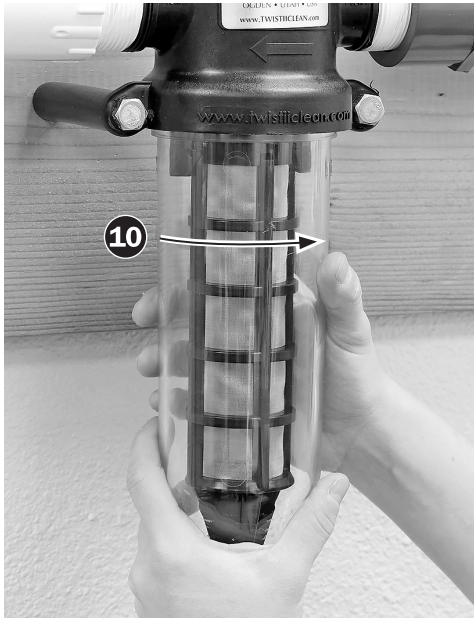
## Manually Clean the Filter Element *(continued)*



4. Pull outwards on the filter element retaining clips on the base of the filter head.
5. Pull down to remove the filter element.
6. Clean the filter element with a soft nylon brush.
7. Wash the filter canister with mild dishwashing liquid and water.
8. Reinstall the filter element by pushing it up into the retaining clips.
9. Apply silicone lubricant (p/n 98.1120.00) to the filter element O-ring and the canister O-ring.



## Manually Clean the Filter Element *(continued)*



**CAUTION** Do not use tools to tighten down the filter canister or it may crack.

10. Reinstall the canister on the filter head by turning it counterclockwise until hand tight.
11. Continue with step 6 of “Flush the Filter Element” on page 6.

## Replace the Filter Element

To replace the filter element, follow the instructions for manually cleaning the filter element on page 8, but instead of cleaning the old filter element, discard it and install the new filter element.

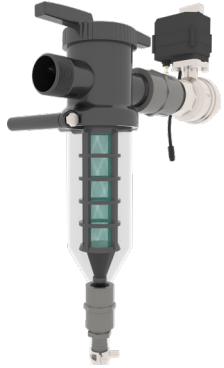
## Water Filter Maintenance Parts

Description	Part Number
Water Filter Element	C0219
Silicone Lubricant, 3.5 oz	98.1120.00

Contact your authorized A-dec dealer for available water filter maintenance parts.

# Specifications

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Mains Outlet:	120 VAC <0.5 A
Pressure:	100 psi at 73°F (6.9 bar at 38°C)
Temperature:	33°F-120°F (0.6°C-49°C)
Flow:	0-78 gpm (0-17.7 m <sup>3</sup> /hr)
Filter Element Mesh:	100 mesh (149 micron)



**IMPORTANT** For electrical specifications, identification of symbols, and other regulatory requirements, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00) available in the Resource Center at [www.a-dec.com](http://www.a-dec.com).



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**NOTE** Specifications are subject to change without notice. Requirements may vary depending on your location. For more information, contact your authorized A-dec dealer.

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 **A-dec Headquarters**

2601 Crestview Drive  
Newberg, Oregon 97132  
United States  
Tel: 1.800.547.1883 within USA/CAN  
Tel: +1.503.538.7478 outside USA/CAN  
[www.a-dec.com](http://www.a-dec.com)

**A-dec Australia**

Unit 8, 5-9 Ricketty Street  
Mascot, NSW 2020  
Australia  
Tel: 1.800.225.010 within AUS  
Tel: +61.(0).2.8332.4000 outside AUS

**A-dec United Kingdom**

Austin House, 11 Liberty Way  
Nuneaton, Warwickshire CV11 6RZ  
England  
Tel: 0800.ADEC.UK (2332.85) within UK  
Tel: +44.(0).24.7635.0901 outside UK



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