

INSTRUCTIONS
FOR USE

A-dec® WS1

WATER CONTROL VALVE



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For required regulatory information and the A-dec warranty, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00) available in the Resource Center at www.a-dec.com.



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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.

Product Models and Versions Covered in This Document*

Models	Versions	Description
WS1	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.

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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

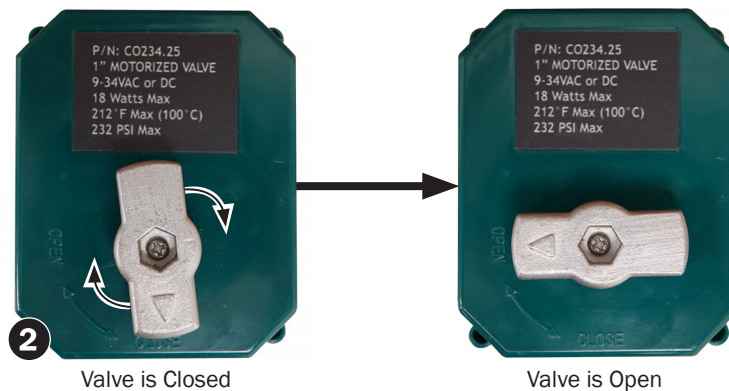
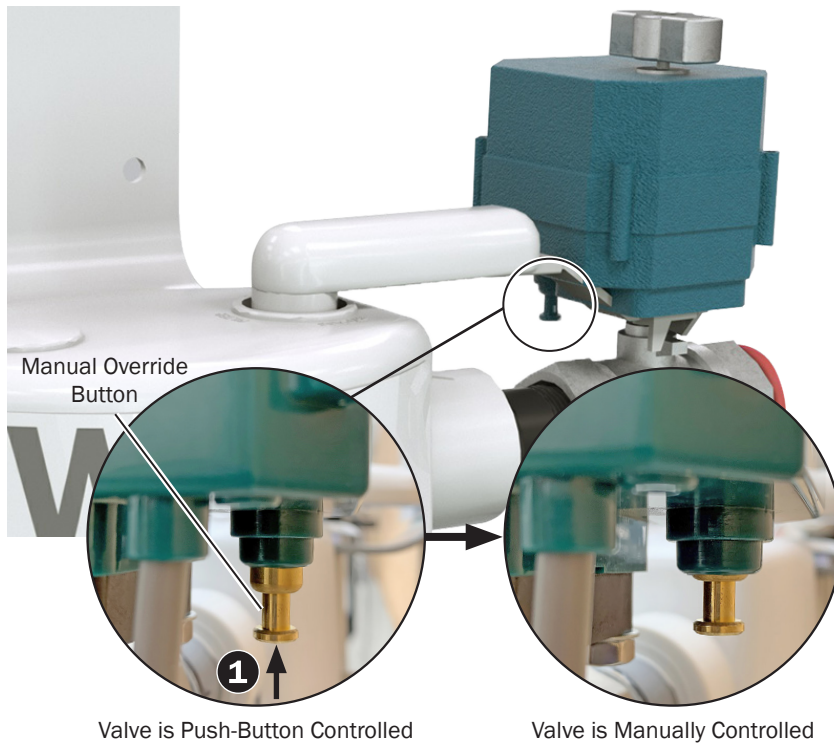
If you have optional LED push-button controls, push the water button once to open or close the water control valve. Blue LED lighting indicates that the valve is open.



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.



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.

Operate the Water Filter

Filter



Off



Bypass



Water Filter Control Handle Positions

The water filter control handle is used to set the functional state of the water filter. To change the state, slowly turn the handle to the desired position. The handle has three positions that are indicated on the filter head:

- **Filter** — Water flow is directed through the filter element. This is the normal running position for the filter.
- **Off** — Water flow to the filter is turned off. No water is directed to the filter element and no water will flow out of the filter. This setting can be used for changing the filter element.
- **Bypass** — Water flows through the filter head without being directed through the filter element. This setting can be used for changing the filter element without shutting off the water.

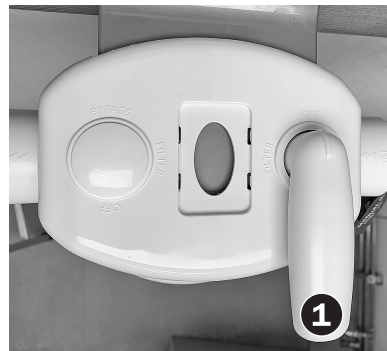
Clean/Maintain

Change the Water Filter Element



Filter in Bypass

OR



Filter Turned Off



Frequency of Filter Element Change

The filter element (p/n C0129) should be changed every 30,000 gal (113,562 L) or 3 months. If your office uses less than 10,000 gal (37,854 L) of water per month, you may be able to change your filter less frequently. Most offices only need to change the filter once a year.

Filter Element Change Instructions

1. Slowly turn the water filter control handle to the BYPASS or OFF position. Bypassing water to the filter element allows the filter element to be replaced without turning off the water.
2. Press the button on the side of the filter head to release the pressure in the filter.



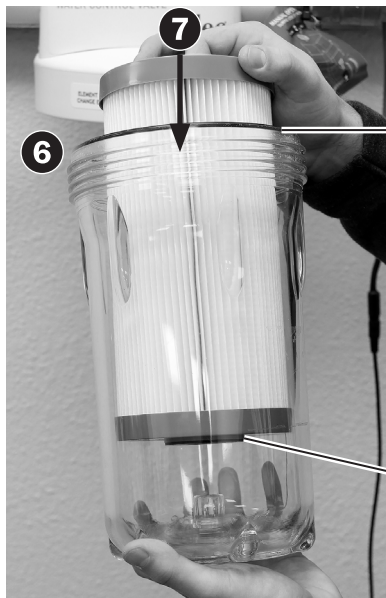
NOTE If you fail to release the pressure, you will not be able to remove the filter canister.

Change the Water Filter Element *(continued)*



CAUTION Only use the supplied canister wrench or a strap wrench on the filter canister. Use of other tools may crack the canister.

3. Use the supplied canister wrench to remove the filter canister by turning it clockwise.
4. Remove the old filter element and discard it.
5. Wash the filter canister with mild dishwashing liquid and water.
6. Inspect the canister O-ring and ensure it is seated in the groove, then lubricate the O-ring with food-grade silicone lubricant (p/n 98.1120.00).
7. Place the new filter element in the filter canister. Check that the filter element is centered in the canister and is completely seated on the bottom seal.



Change the Water Filter Element *(continued)*



8. Reinstall the filter canister by turning is counterclockwise to screw it into the filter head.



CAUTION Only use the supplied canister wrench or a strap wrench on the filter canister. Use of other tools may crack the canister.

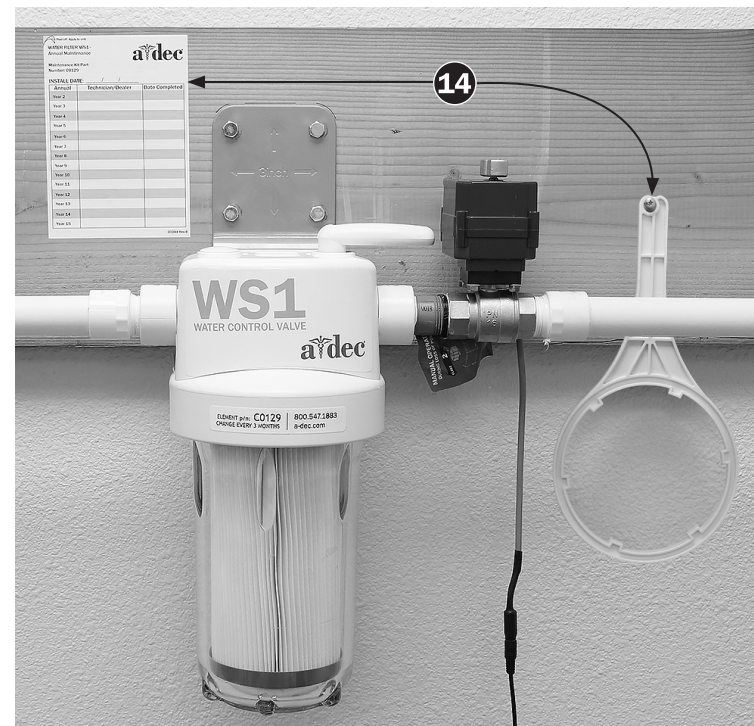


9. Use the canister wrench to tighten down the filter canister.

Change the Water Filter Element *(continued)*



10. Slowly rotate the filter control handle to the FILTER position.
11. Press the pressure-release button on the side of the filter head to remove air trapped in the canister.
12. Open any downstream faucet and flush the filter element for 10 minutes (40 gallons).
13. Wait one hour and flush the filter element again for 10 minutes (40 gallons). The water can now be used.
14. Hang up the canister wrench and record the filter change on the maintenance log sticker.



Water Filter Maintenance Parts

Description	Part Number
Water Filter Element	C0129
Silicone Lubricant, 3.5 oz	98.1120.00

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

Specifications



Mains Outlet:	120 VAC <0.5 A
Pressure:	20–100 psi (1.4–6.9 bar)
Turbidity:	5 NTU maximum
Temperature:	40°F–100°F (4.4°C–37.7°C)
Capacity:	30,000 gal (113,562 L) or 3 months
Water Supply:	This filter should only be used with chlorinated water and should not be used with untreated well water supplies.



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.



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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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