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› Amtrol WX-203 Well-X-Trol Stand Well Water Tank Instruction Manual

Amtrol WX-203

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Model: WX-203

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Amtrol WX-203 Well-X-Trol Stand Well Water Tank. The WX-203 is designed to maintain consistent water pressure in your well system and reduce pump cycling, contributing to the longevity of your well pump.

SAFETY INFORMATION

WARNING: Improper installation, operation, or maintenance can result in serious injury or property damage. Read and understand all instructions before proceeding.

- Installation should only be performed by a qualified professional in accordance with local codes and regulations.
- Always depressurize the system before attempting any service or maintenance.
- Do not exceed the maximum working pressure of 150 PSI.
- Ensure the tank is installed in an area protected from freezing temperatures and direct sunlight.
- Keep children and unauthorized personnel away from the well system components.

SETUP

The Amtrol WX-203 Well-X-Trol tank is designed for vertical installation. Ensure the chosen location provides adequate space for the tank and its connections, and allows for future maintenance access. The tank should be placed on a stable, level surface.



Image: An Amtrol WX-203 Well-X-Trol Stand Well Water Tank, blue in color, installed outdoors next to a wooden structure. The tank is connected to a plumbing system with insulated pipes and a pressure gauge.

Pre-Installation Checks:

- **Inspect for Damage:** Before installation, carefully inspect the tank for any signs of shipping damage.
- **Verify Pre-Charge Pressure:** The tank comes pre-charged from the factory. Verify the pre-charge pressure using a reliable pressure gauge. Adjust if necessary according to your well system's requirements, typically 2 PSI below the pump's cut-in pressure.
- **Prepare Connections:** Ensure all plumbing connections are clean and free of debris. The tank features a steel system connection designed to withstand aggressive water conditions.

Installation Steps:

1. Position the tank on a firm, level surface.
2. Connect the tank to the well system's plumbing using appropriate fittings and sealants. Ensure all connections are watertight.
3. Slowly fill the system with water, bleeding air from the highest points.
4. Once the system is full, turn on the well pump and allow it to reach its cut-out pressure.
5. Check for leaks and verify proper system operation.

OPERATING

The Amtrol WX-203 Well-X-Trol tank operates by utilizing a pre-charged air cushion to absorb water from the well pump. As the pump fills the tank, the air cushion compresses, storing water under pressure. When a faucet or appliance is opened, the stored water is delivered to the system, reducing the frequency of pump cycles. This design ensures a steady supply of water and extends the life of your well pump.

- The tank's diaphragm and liner system separates the air from the water, preventing waterlogging and maintaining optimal performance.
- The system automatically maintains water pressure within a set range, typically between the pump's cut-in and cut-out pressures.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Well-X-Trol tank.

- **Annual Air Charge Check:** At least once a year, check the tank's air pre-charge pressure. This should be done when the tank is empty of water. If the pressure is low, recharge it to 2 PSI below the pump's cut-in pressure.
- **Visual Inspection:** Periodically inspect the tank for any signs of corrosion, leaks, or physical damage. The high-strength steel shell and virgin polypropylene inner liner are designed for durability, but external factors can cause wear.
- **System Connection Check:** Ensure the steel system connection remains secure and free of leaks.
- **Cleanliness:** Keep the area around the tank clean and free of debris to prevent damage and allow for proper ventilation.

TROUBLESHOOTING

If you experience issues with your well water system, consider the following common problems related to the pressure tank:

- **Frequent Pump Cycling:** If your well pump turns on and off too frequently, it may indicate a low air pre-charge in the tank or a waterlogged tank. Check and adjust the air pressure as described in the Maintenance section.
- **Loss of Water Pressure:** A sudden or gradual decrease in water pressure can be a symptom of a problem with the pressure tank, such as a ruptured diaphragm or a significant loss of air charge.
- **Water from Air Valve:** If water comes out when you press the air valve on top of the tank, it indicates a ruptured diaphragm, and the tank will need to be replaced.
- **No Water:** While often related to the well pump itself, a completely failed pressure tank can contribute to a lack of water delivery.

For any persistent or complex issues, it is recommended to contact a qualified well system professional for

diagnosis and repair.

SPECIFICATIONS

Model Number:	WX-203
Capacity:	32 Gallons
Item Weight:	31 pounds
Product Dimensions (L x W x H):	1 x 15 x 47 inches
Color:	Blue
Style:	Diaphragm
Material:	Polypropylene (PP)
Exterior Finish:	Alloy Steel
Maximum Working Pressure:	150 PSI
Maximum Relief Pressure:	125 PSI
Test Pressure:	150 PSI

WARRANTY

The Amtrol WX-203 Well-X-Trol Stand Well Water Tank comes with a **7-year warranty**. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty documentation provided with your product or contact Amtrol customer service.

SUPPORT

For technical assistance, replacement parts, or further information regarding your Amtrol WX-203 Well-X-Trol Stand Well Water Tank, please contact Amtrol customer support or a certified plumbing professional. Always provide your model number (WX-203) and serial number when seeking support.