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PENTAIR VEC07200 Autotrol 255/762 20L Water Softener Instruction Manual

Model: VEC07200

1. PRODUCT OVERVIEW

The Pentair VEC07200 water softener is a monobloc unit with a 20-liter resin capacity, equipped with an electronic Autotrol 255 Logix Volumetric valve. This system is designed to reduce water hardness by removing limescale from your water supply, thereby extending the lifespan of household appliances, simplifying cleaning tasks, and preventing limescale buildup. The food-grade, ion-exchange resin used in this system holds an Attestation de Conformité Sanitaire (ACS) certification, ensuring its suitability for drinking water applications. This model is appropriately sized for households of 2 to 4 people.



Image 1: Top view of the Pentair VEC07200 water softener with the lid open, showing the internal components.

2. SETUP AND INSTALLATION

This water softener is delivered complete and ready for installation, including pre-filled resin and all necessary accessories. Installation is designed to be straightforward and quick, and the product is ACS certified.

2.1 Included Components

- Water softener unit with 20L resin pre-filled
- Electronic Autotrol 255 Logix Volumetric valve
- Installation accessories (hoses, connectors)
- External filter
- Water hardness test kit (TH test)
- Installation and usage guide



Image 2: Various accessories included for installation, such as the external filter, flexible hoses, and a water hardness test kit.

2.2 Installation Steps

1. **Unpacking:** Carefully unpack all components and verify against the included parts list.
2. **Placement:** Position the water softener on a stable, level surface near the main water inlet and a drain. Ensure adequate space for maintenance.
3. **Pre-filtration:** Install the external filter upstream of the water softener according to the provided guide.
4. **Connections:** Connect the water inlet and outlet pipes to the softener's valve using the supplied accessories. Ensure all connections are secure and watertight.
5. **Drainage:** Connect the drain hose from the valve to a suitable drain point.
6. **Electrical Connection:** Plug the power cable into a grounded electrical outlet.
7. **Initial Startup:** Follow the detailed instructions in the included installation guide for initial flushing and programming of the Autotrol valve.

Note: For detailed, step-by-step installation instructions, refer to the dedicated installation guide provided with your unit.

3. OPERATING INSTRUCTIONS

The Autotrol 255 Logix valve is pre-programmed for ease of use and is known for its robustness and reliability. Its electronic display provides real-time information on the system's status.

3.1 Electronic Display and Controls



Image 3: Detailed view of the electronic control panel of the Autotrol 255 Logix valve, showing the display and control buttons. The electronic display allows you to monitor the remaining volume of treated water before the next regeneration cycle in service mode. During regeneration, it shows the current cycle and the time remaining.

3.2 Regeneration Cycles

Regeneration is initiated automatically when the programmed volume of treated water is reached, ensuring efficient salt and water usage. The valve supports various regeneration modes:

- **Immediate Regeneration:** Starts immediately once capacity is exhausted.
- **Delayed Regeneration:** Starts at a pre-set time (e.g., 2 AM) after capacity is exhausted.
- **Time-Delayed Regeneration:** Regeneration based on a set schedule, regardless of water usage.

- **Weekly Regeneration:** Regeneration occurs on specific days of the week.

Consult your installation guide for instructions on how to select and adjust the regeneration mode to suit your household's water consumption patterns.

3.3 Power Outage Protection

In the event of a power outage lasting less than 48 hours, all programmed parameters are automatically saved, preventing loss of settings.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your water softener. The system is designed for low water and salt consumption.

4.1 Salt Level Monitoring

Periodically check the salt level in the brine tank. Refill with water softener salt (sodium chloride pellets or crystals) as needed to ensure proper regeneration. The system's high-capacity ion-exchange resin contributes to reduced salt consumption.

4.2 Filter Replacement

The external filter includes a change indicator. Replace the filter cartridge when the indicator signals it, or as recommended in your user manual, to maintain water quality and protect the softener.

4.3 Blending Valve Adjustment

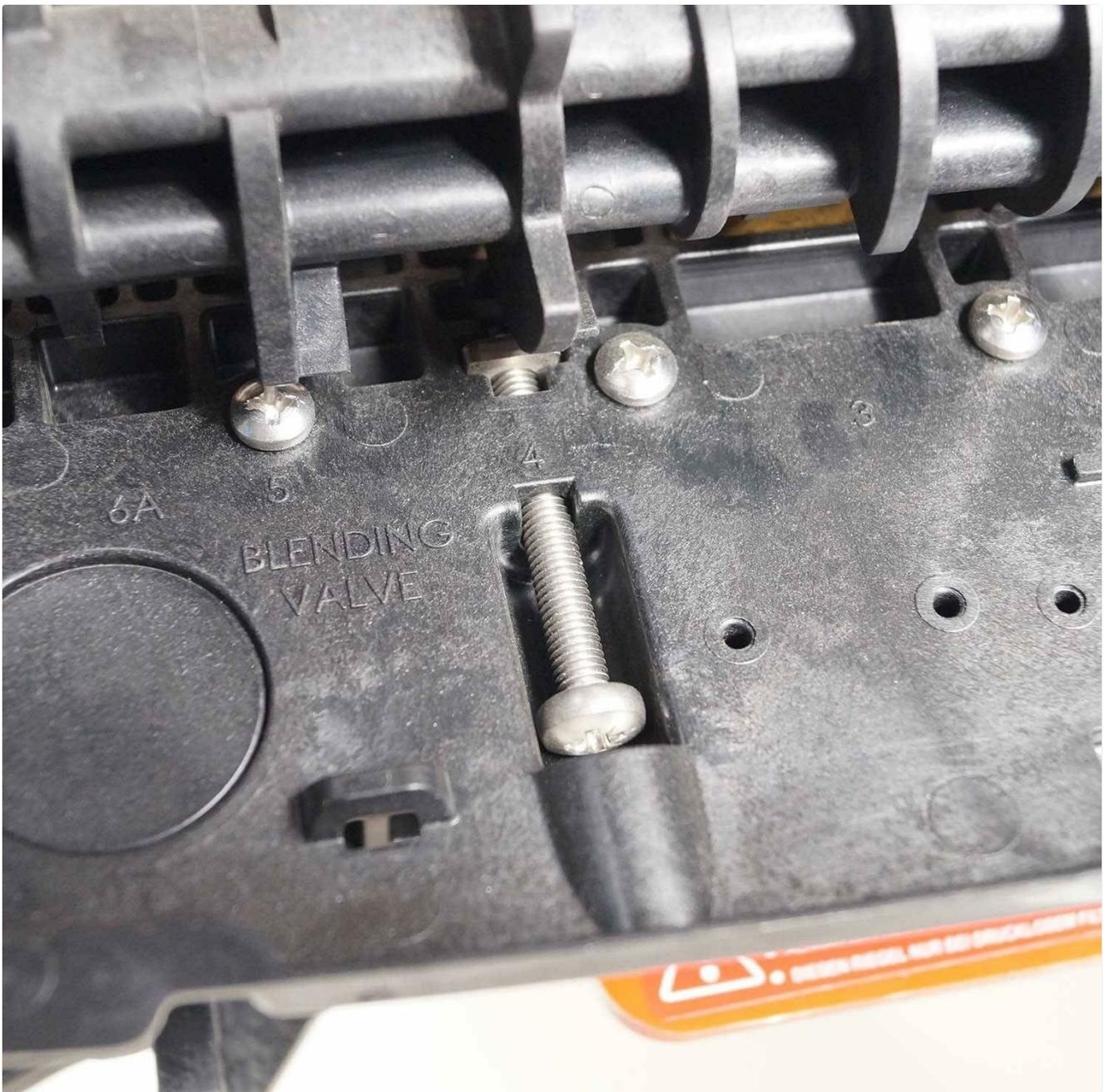


Image 4: Close-up view of the blending valve, which allows for adjustment of water hardness.

Your water softener may include a blending valve (also known as a hardness bypass valve) to allow for fine-tuning of the outgoing water hardness. Adjust this valve according to your preference, ensuring it is not fully closed if you desire some residual hardness. Refer to your manual for specific adjustment procedures.

4.4 General Cleaning

Keep the exterior of the unit clean. Avoid using abrasive cleaners. Periodically inspect hoses and connections for any signs of leaks or wear.

5. TROUBLESHOOTING

This section provides general guidance for common issues. For specific troubleshooting steps, always refer to the detailed user manual provided with your Pentair water softener.

- **No Soft Water:**
 - Check salt level in the brine tank.
 - Ensure the unit is plugged in and receiving power.

- Verify that the bypass valve is in the "service" position, not "bypass".
 - Check if a regeneration cycle is overdue or has failed.
- **Excessive Salt Consumption:**
 - Review regeneration settings; ensure they match your water hardness and usage.
 - Inspect for salt bridges in the brine tank.
- **Water Pressure Drop:**
 - Check the external filter for clogging and replace if necessary.
 - Inspect the main water supply valve.
- **Error Codes on Display:**
 - Refer to the user manual for a list of error codes and their corresponding solutions.

If you encounter issues not covered here or cannot resolve a problem, contact Pentair customer support or a qualified technician.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	VEC07200
Manufacturer	PENTAIR
Capacity	20 Liters (Resin)
Valve Type	Autotrol 255 Logix Volumetric Electronic Valve
Material	Resin (Ion Exchange)
Installation Type	Freestanding
Power Source	Electric Cable
Special Feature	Filter Change Indicator
Weight	29 Kilograms
Recommended Household Size	2 to 4 people
Certifications	ACS (Attestation de Conformité Sanitaire) for resin

7. WARRANTY INFORMATION

Specific warranty details for the Pentair VEC07200 Autotrol 255/762 20L Water Softener are typically provided with the product documentation at the time of purchase. Please refer to the warranty card or the full user manual for information regarding coverage, duration, and terms and conditions.

Note: Information regarding the availability of spare parts is not provided in the product details.

8. CUSTOMER SUPPORT

For technical assistance, spare parts, or further inquiries regarding your Pentair water softener, please contact Pentair customer support directly or the retailer from whom you purchased the product. You can typically find contact information on the manufacturer's official website or in your product's documentation.