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Vaillant 0020107795

Vaillant 0020107795 Safety Anode Instruction Manual

Brand: Vaillant | **Model:** 0020107795

Introduction

This instruction manual provides essential information for the proper installation, operation, and maintenance of the Vaillant 0020107795 Safety Anode. This anode is a critical component designed to protect the inner tank of your Vaillant water heater from corrosion, thereby extending its lifespan. Please read this manual thoroughly before proceeding with any installation or maintenance procedures.

Product Overview

The Vaillant 0020107795 Safety Anode is a sacrificial anode, typically made of magnesium or aluminum, that protects the steel tank of your water heater from galvanic corrosion. It works by corroding itself instead of the tank, as it is more electrochemically active than steel. Regular inspection and replacement of the anode are crucial for maintaining the integrity of your water heater.

Key Features

- Designed as a sacrificial anode for corrosion protection.
- Compatible with Vaillant VIH 200/5, VIH 200/4, VEH 400/5, and VEH 300/5 water heater models.



Image 1: The Vaillant 0020107795 Safety Anode, supplied in protective packaging. This image shows the elongated, cylindrical shape of the anode, which is designed to be inserted into the water heater tank.

Installation Instructions

Safety First: Before beginning any work on your water heater, ensure that the power supply to the unit is disconnected and the water supply is turned off. Allow the water heater to cool down if it has been in operation. It is recommended to have a qualified technician perform this installation.

1. **Prepare the Area:** Place towels or a bucket beneath the water heater to catch any spilled water.
2. **Drain the Tank:** Connect a hose to the drain valve at the bottom of the water heater and direct it to a suitable drain. Open

the drain valve and a hot water faucet in your home to allow air into the tank, facilitating drainage. You may only need to drain a portion of the tank, enough to get the anode below the water line.

3. **Locate the Anode Rod:** The anode rod is typically located at the top of the water heater, often under a plastic cap, or sometimes integrated with the hot water outlet.
4. **Remove the Old Anode:** Using a socket wrench of the appropriate size (often 1 1/16 inches or 1 1/2 inches), carefully loosen and remove the old anode rod. It may be corroded and difficult to remove.
5. **Inspect the Tank Opening:** Clean any debris from around the anode rod opening.
6. **Install the New Anode:** Wrap the threads of the new Vaillant 0020107795 Safety Anode with PTFE (Teflon) tape to ensure a watertight seal. Carefully insert the new anode into the opening and tighten it securely with the socket wrench. Do not overtighten.
7. **Refill the Tank:** Close the drain valve. Turn on the cold water supply to the water heater. Once water begins to flow from the open hot water faucet, close the faucet. This indicates the tank is full.
8. **Restore Power:** Check for any leaks around the newly installed anode. Once confirmed leak-free, restore power to the water heater.

Operation

The Vaillant 0020107795 Safety Anode operates passively within your water heater. Once installed, it continuously works to protect the tank from corrosion without requiring any user interaction. Its function is electrochemical, sacrificing itself to protect the steel tank.

Maintenance

Regular inspection and replacement of the safety anode are vital for the longevity of your water heater. The lifespan of an anode depends on water quality (hardness, chlorine content) and water usage.

- **Inspection Frequency:** It is recommended to inspect the anode rod every 1 to 3 years. In areas with very hard water or high chlorine levels, more frequent inspections (e.g., annually) may be necessary.
- **Replacement:** Replace the anode rod when it is significantly corroded, eaten away, or covered in calcium deposits. A good rule of thumb is to replace it when more than 6 inches of the core wire is exposed, or if its diameter has significantly reduced.
- **Signs of a Failing Anode:** If you notice a rotten egg smell (sulfur) in your hot water, it could indicate a depleted anode reacting with sulfate-reducing bacteria. While not directly a sign of anode failure, it often prompts anode replacement with an aluminum/zinc anode.

Troubleshooting

Issues related to the safety anode typically manifest as problems with the water heater tank itself due to lack of protection.

- **Rotten Egg Smell in Hot Water:** This is often caused by a chemical reaction between the magnesium anode and sulfates in the water, producing hydrogen sulfide gas. While not a sign of anode failure, replacing the anode with an aluminum/zinc anode can often resolve this issue.
- **Premature Tank Failure/Leaks:** If the anode is not regularly inspected and replaced, the water heater tank will become susceptible to corrosion, leading to leaks and premature failure. This is a serious issue requiring professional assessment and likely tank replacement.
- **Reduced Hot Water Output:** While not directly related to the anode, severe corrosion within the tank due to a depleted anode can contribute to sediment buildup, which can reduce heating efficiency and hot water output.

If you suspect your water heater tank is corroding due to an old anode, consult a qualified plumbing professional immediately.

Specifications

Attribute	Value
Manufacturer	Vaillant
Part Number	0020107795
Package Dimensions	79 x 4 x 4 cm; 839.15 g
Item Model Number	0020107795
Number of Items in Package	1
Batteries Included?	No
Batteries Required?	No
ASIN	B00AYV236O
First Available Date	January 15, 2020

Warranty and Support

Specific warranty information for the Vaillant 0020107795 Safety Anode is not provided in this manual. For details regarding product warranty, please refer to the documentation included with your original water heater or contact Vaillant customer support directly.
For technical assistance, spare parts, or service inquiries, please contact Vaillant customer service or visit their official website. Always ensure that any service or installation is performed by a qualified and certified professional.

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