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Acorn 2570-025-000

ACORN 2570-025-000 Plastic Valve Body

User Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the ACORN 2570-025-000 Plastic Valve Body. This valve body is designed for use in lavatories, showers, and combination lavatory and toilet valve systems. Please read these instructions thoroughly before installation and retain for future reference.



Figure 1: ACORN 2570-025-000 Plastic Valve Body

2. SAFETY INFORMATION

Always observe basic safety precautions when installing or servicing plumbing components. Failure to follow these instructions could result in property damage or personal injury.

- Ensure the main water supply is turned off before beginning any installation or maintenance.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- If you are unsure about any part of the installation process, consult a qualified plumber.
- Do not overtighten connections, as this may damage the plastic components.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 1 x ACORN 2570-025-000 Plastic Valve Body

4. INSTALLATION INSTRUCTIONS

Follow these steps for proper installation of the valve body.

1. **Turn off Water Supply:** Locate the main water shut-off valve for your property and turn it off. Open nearby faucets to drain any remaining water from the lines.

- 2. Prepare Connections:** Ensure the inlet and outlet pipes are clean and free of debris. The valve body features threaded inlet and outlet connections.
- 3. Apply Sealant:** Apply an appropriate thread sealant (e.g., PTFE tape or pipe dope) to the male threads of the pipes that will connect to the valve body.
- 4. Connect Inlet:** Carefully thread the inlet pipe into the valve body's inlet connection. Hand-tighten first, then use a wrench to tighten an additional 1/4 to 1/2 turn. Avoid overtightening.
- 5. Connect Outlet:** Thread the outlet pipe into the valve body's outlet connection. Follow the same tightening procedure as the inlet. The outlet connection size is 2 inches.
- 6. Inspect Connections:** Visually inspect all connections to ensure they are secure.
- 7. Restore Water Supply:** Slowly turn the main water supply back on. Check for any leaks at the connections. If leaks occur, turn off the water, tighten the connection slightly, and recheck.

5. OPERATION

The ACORN 2570-025-000 is a valve body designed to integrate into a larger plumbing system. Its primary function is to provide the structural housing and connection points for internal valve components (not included with this valve body) that control water flow to lavatories, showers, or combination units. Once installed, its operation is passive, facilitating the function of the internal valve mechanisms.

6. MAINTENANCE

Regular inspection and proper maintenance can extend the life of your valve body.

- **Periodic Inspection:** Periodically check for any signs of leaks, cracks, or damage to the valve body.
- **Cleaning:** If necessary, clean the exterior of the valve body with a soft cloth and mild soap. Avoid abrasive cleaners or harsh chemicals that could damage the plastic material.
- **Component Replacement:** If the valve body shows signs of significant wear or damage, it should be replaced.

7. TROUBLESHOOTING

This section addresses common issues that may arise with the valve body.

Problem	Possible Cause	Solution
Water leak at connections	Loose connection, insufficient thread sealant, damaged threads.	Turn off water supply. Tighten connections slightly. If leak persists, disassemble, reapply thread sealant, and reassemble. Inspect threads for damage.
Reduced water flow (if internal valve components are installed)	Obstruction in pipes or internal valve components (not the valve body itself).	Inspect connected pipes and internal valve components for blockages. The valve body itself does not restrict flow unless physically damaged.
Visible damage to valve body	Physical impact, chemical exposure, or material fatigue.	Turn off water supply and replace the valve body.

8. SPECIFICATIONS

Key technical details for the ACORN 2570-025-000 Valve Body.

Feature	Detail
Model Number	2570-025-000
Brand	Acorn
Material	Plastic
Dimensions (L x W x H)	2 x 2 x 2 inches
Item Weight	9.6 ounces
Inlet Connection Type	Threaded
Outlet Connection Type	Threaded
Number of Ports	1
Outlet Connection Size	2 Inches
Exterior Finish	Plastic
Specifications Met	ASME, ANSI, NSF
Manufacturer	ACORN
UPC	087935920320
Date First Available	February 13, 2012

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact Acorn directly. Details regarding specific warranty periods and terms are typically provided with the product packaging or can be obtained from the manufacturer's official website.

Manufacturer: ACORN

Website: www.acorneng.com (Example link, please verify official website)