

Rusco AFV-RUSCO

Rusco AFV Automatic Flush Valve User Manual

Model: AFV-RUSCO

INTRODUCTION

The Rusco AFV Automatic Flush Valve is designed to automate the maintenance of Rusco sediment filters. This device ensures that accumulated dirt and debris are regularly flushed from your filter system, reducing the need for manual cleaning and filter changes. It is particularly beneficial for applications with high sediment content in the water supply.

SAFETY INFORMATION

- Always turn off the main water supply before installing or servicing the valve.
- Ensure all connections are secure to prevent leaks.
- Do not exceed the maximum operating pressure of 210 psi.
- Consult a qualified plumber if you are unsure about any installation steps.
- Protect the valve from freezing temperatures.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Rusco AFV Automatic Flush Valve

SPECIFICATIONS

Brand	Rusco
Model Number	AFV-RUSCO
Material	Brass

Item Dimensions (L x W x H)	15 x 5 x 3 inches
Item Weight	4.4 pounds
Inlet Connection Size	0.5 inches
Inlet Connection Type	FNPT
Outlet Connection Size	0.5 inches
Outlet Connection Type	NPT
Maximum Operating Pressure	210 psi
Valve Type	Ball Valve
Specification Met	ASME B31.3, ASTM B62, ASTM B16.5, NEMA 250

SETUP AND INSTALLATION

1. **Prepare the Installation Area:** Ensure the main water supply is turned off and the pressure is relieved from the system. Identify the appropriate location for the flush valve, typically downstream of your Rusco sediment filter.
2. **Connect to Filter:** The AFV-RUSCO valve features 0.5-inch FNPT inlet and 0.5-inch NPT outlet connections. Connect the inlet of the automatic flush valve to the drain port of your Rusco filter. Use appropriate plumbing fittings and thread sealant to ensure a watertight connection.
3. **Connect to Drain:** Connect the outlet of the flush valve to a suitable drain line. Ensure the drain line has adequate capacity and is routed to prevent water damage.
4. **Secure the Valve:** Mount the valve securely to prevent movement or strain on the plumbing connections.
5. **Restore Water Supply:** Slowly turn on the main water supply and check all connections for leaks. Address any leaks immediately.
6. **Power Connection:** Connect the valve to its power source according to the manufacturer's instructions (power source details not provided in input, so keep it general).



Image: The Rusco AFV Automatic Flush Valve, typically installed at the bottom of a sediment filter to automate the flushing process. This image shows the brass valve body and connection points.

OPERATION

The Rusco AFV Automatic Flush Valve is designed for continuous, automated operation. Once installed and powered, it will automatically open to flush the filter at programmed intervals.

- **Automatic Flushing Cycle:** The valve is programmed to open automatically every 24 hours by default, or at other specific times depending on your settings.
- **Adjustable Flush Time:** The flush duration is adjustable, with a minimum setting of 5 minutes. This allows you to customize the flushing period based on your water quality and sediment load.
- **Sediment Removal:** During the flush cycle, the valve opens, allowing accumulated dirt and debris from the filter to be flushed to the drain.

MAINTENANCE

The primary benefit of the AFV Automatic Flush Valve is to minimize manual maintenance. However, periodic checks are recommended.

- **Regular Observation:** Periodically observe the flush cycle to ensure the valve is opening and closing correctly and that debris is being effectively flushed.
- **Leak Inspection:** Routinely check all plumbing connections for any signs of leaks.
- **Power Supply Check:** Ensure the power supply to the valve is consistent and secure.
- **Winterization:** If installed in an area subject to freezing temperatures, ensure the valve and associated plumbing are properly insulated or drained to prevent damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Valve does not flush automatically.	No power, incorrect timer setting, or valve malfunction.	Check power connection. Verify timer settings. If power is present and settings are correct, the valve mechanism may require inspection or replacement.
Water leaking from connections.	Loose connections, damaged threads, or insufficient thread sealant.	Turn off water supply. Tighten connections. If necessary, disassemble, reapply thread sealant, and reassemble. Inspect for damaged threads.
Valve continuously flushes or does not close.	Internal debris, timer malfunction, or valve mechanism failure.	Turn off power. Inspect the valve for obstructions. Check timer settings. If the issue persists, the valve may need professional servicing or replacement.
Insufficient flushing.	Flush duration too short, or excessive sediment buildup.	Increase the flush duration setting. If sediment is extremely high, consider increasing flush frequency or performing a manual flush if the filter allows.

WARRANTY AND SUPPORT

Specific warranty details are not provided in this manual. For information regarding warranty coverage, technical support, or replacement parts, please contact Rusco customer service directly or refer to the official Rusco website.

Manufacturer: Commercial Water Distributing

For further assistance, please visit the [Rusco official website](#) or contact their support department.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question