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AQMOS Wasseraufbereitung BNT-HR

AQMOS Wasseraufbereitung BNT 631 Manual Filter Valve 1-inch User Manual

Model: BNT-HR

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the AQMOS Wasseraufbereitung BNT 631 Manual Filter Valve. Please read this manual thoroughly before operating the device to ensure safe and efficient use.

2. PRODUCT OVERVIEW

The AQMOS BNT 631 M is a high-quality manual control valve designed for pressure bottle filtration systems, such as defrosting systems. It initiates the backwash cycle manually via a handwheel. The valve operates without electricity, ensuring reliable and straightforward use. An integrated child safety feature in the control head prevents unintended operation.



Figure 2.1: Side view of the AQMOS BNT 631 Manual Filter Valve, showing the handwheel and main body.

3. SETUP

The BNT 631 valve is designed for integration into pressure bottle filtration systems. Ensure all connections are secure and leak-free before operation. A bypass option may be purchased separately if required for your system configuration.

Installation Steps:

1. Ensure the filtration system is depressurized and isolated from the water supply.
2. Connect the valve to the filtration system according to your system's plumbing diagram.
3. Secure all threaded connections. It is recommended to use appropriate sealing tape or compound for a watertight seal.
4. Once installed, slowly reintroduce water pressure to the system and check for any leaks.



Figure 3.1: View of the AQMOS BNT 631 Manual Filter Valve showing the connection ports for plumbing integration.

4. OPERATING INSTRUCTIONS

The BNT 631 valve allows for manual control of the backwash and rinsing cycles using the integrated handwheel.

4.1. Initiating a Backwash Cycle

The backwash cycle, which includes both reverse rinsing and rapid rinsing, is initiated and controlled by turning the handwheel.

1. Locate the handwheel on the top of the valve.
2. Turn the handwheel to the desired position to start the backwash cycle. The specific positions for reverse rinsing and rapid rinsing are indicated on the valve head.
3. The reverse rinsing phase is recommended for 5 to 15 minutes.
4. The rapid rinsing phase is recommended for 3 to 5 minutes.
5. After completing the rinsing phases, return the handwheel to the "Service" or "Filter" position for normal operation.

The rinsing process can be performed at any time as needed.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your BNT 631 valve.

5.1. Routine Rinsing

Under normal operating conditions, it is recommended to perform a rinsing cycle once per week. Refer to

Section 4.1 for detailed instructions on initiating a rinsing cycle.

5.2. Inspection

Periodically inspect the valve for any signs of leaks, damage, or unusual operation. Address any issues promptly.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your BNT 631 valve.

Problem	Possible Cause	Solution
Water leakage from valve connections	Loose connections, worn seals, improper sealing tape application.	Tighten connections. Inspect and replace seals if necessary. Reapply sealing tape correctly.
Ineffective backwash/rinsing	Insufficient duration of rinsing cycles, low water pressure, clogged filter media.	Ensure recommended rinsing times are followed (5-15 min reverse, 3-5 min rapid). Check system water pressure. Consult your filtration system manual for filter media replacement.
Handwheel difficult to turn	Mineral buildup, internal component friction.	Contact a qualified technician for inspection and service. Do not force the handwheel.

7. SPECIFICATIONS

Feature	Detail
Model Number	BNT-HR
Brand	AQMOS Wasseraufbereitung
Type	Manual Filter Control Valve
Operation	Manual (Handwheel)
Power Requirement	None
Weight	4 kilograms
ASIN	B07CYZ2V7D

8. WARRANTY INFORMATION

Specific warranty details for the AQMOS BNT 631 Manual Filter Valve are not provided in the available product information. Please refer to your purchase documentation or contact AQMOS Wasseraufbereitung directly for warranty terms and conditions.

9. SUPPORT

For technical assistance, spare parts, or further inquiries regarding the AQMOS BNT 631 Manual Filter Valve, please contact AQMOS Wasseraufbereitung customer support. Contact information may be available

on the manufacturer's official website or your product packaging.