

Moisture Boss E021-H

Sullivan/Palatek E021-H Replacement Filter Element User Manual

Brand: Moisture Boss | Model: E021-H

1. PRODUCT OVERVIEW

The Moisture Boss OEM Equivalent Sullivan/Palatek E021-H Replacement Filter Element is designed to meet or exceed the performance specifications of the original Sullivan/Palatek part number E021-H. This aftermarket filter is crucial for maintaining the quality of compressed air in industrial systems.

- Aftermarket replacement filter for industrial compressed air systems.
- Guaranteed to meet or exceed specifications of the OEM brand.
- Ensures clean, dry air for optimal system performance and protection of downstream equipment.

This image displays a collection of industrial filter elements, showcasing their typical cylindrical shape and construction. The elements feature white filter media and black end caps, with some variations including perforated metal outer casings.

2. SPECIFICATIONS

Attribute	Value
Model Number	E021-H
Item Weight	5 Pounds
ASIN	B07Q4FJR12
Date First Available	March 29, 2019
Compatibility	OEM Equivalent for Sullivan/Palatek E021-H

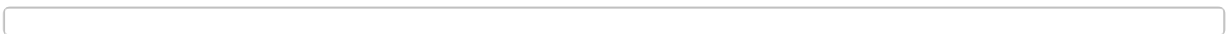
3. INSTALLATION (SETUP)

3.1 Safety Precautions

- Always depressurize the compressed air system completely before attempting any maintenance or installation.
- Implement lockout/tagout procedures to prevent accidental re-pressurization.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the work area is clean and well-lit.

3.2 Filter Element Replacement Procedure

1. **Prepare the System:** Ensure the compressed air system is fully depressurized and isolated from the air supply. Verify pressure gauges read zero.
2. **Open Filter Housing:** Carefully unscrew or unclamp the filter housing bowl from the filter head. Be aware that residual oil or condensate may be present.
3. **Remove Old Element:** Grasp the old filter element and pull it straight down from the filter head. Dispose of the used element according to local regulations.
4. **Inspect and Clean Housing:** Inspect the inside of the filter housing bowl and head for any debris, dirt, or damage. Clean thoroughly with a lint-free cloth if necessary. Check the O-rings for wear or damage; replace if compromised.
5. **Install New Element:** Take the new Moisture Boss E021-H replacement filter element. Push it firmly and straight up into the filter head until it is securely seated. Ensure the element is properly aligned.
6. **Reassemble Housing:** Carefully reattach the filter housing bowl to the filter head, ensuring the O-ring is correctly seated. Tighten the bowl hand-tight or as specified by the housing manufacturer. Do not overtighten.
7. **Re-pressurize System:** Slowly open the isolation valve to allow air back into the system. Monitor the pressure gauge as the system re-pressurizes.
8. **Check for Leaks:** Once the system is at operating pressure, check for any air leaks around the filter housing using a leak detection spray or by listening for hissing sounds. If leaks are detected, depressurize the system and re-tighten the housing.



This image illustrates various designs of coalescing filter elements, which are used to remove liquid aerosols and particles from compressed air. Different configurations are shown, highlighting the diversity in filter construction.

4. OPERATION

Once properly installed, the Sullivan/Palatek E021-H Replacement Filter Element operates continuously as part of your compressed air system. It functions by removing solid particles, water, and oil aerosols from the air stream, ensuring the delivery of clean and dry compressed air to your applications. No user intervention is required during normal operation.

5. MAINTENANCE

Regular maintenance of your filter element is essential for optimal performance and longevity of your compressed air system. The E021-H filter element is a consumable component and requires periodic

replacement.

- **Replacement Schedule:** The lifespan of a filter element depends on the air quality, operating conditions, and usage. As a general guideline, filter elements should be replaced every 6 to 12 months, or more frequently in heavily contaminated environments or critical applications.
- **Pressure Differential Monitoring:** Many filter housings are equipped with a differential pressure gauge or indicator. A significant increase in pressure drop across the filter indicates that the element is becoming clogged and requires replacement.
- **Visual Inspection:** During routine system checks, visually inspect the filter housing for any signs of damage or leaks.

6. TROUBLESHOOTING

This section addresses common issues related to filter elements and their potential solutions.

Problem	Possible Cause	Solution
Reduced Airflow / High Pressure Drop	Clogged or saturated filter element.	Replace the filter element.
Contamination in Downstream Air	Damaged filter element, incorrect element type, or element bypass.	Inspect element for damage; ensure correct element is installed and properly seated. Replace if necessary.
Air Leaks Around Filter Housing	Improperly sealed housing, damaged O-rings, or loose connections.	Depressurize system, check O-rings for damage and proper seating. Ensure housing is tightened correctly.

7. WARRANTY AND SUPPORT

Product warranties for this OEM equivalent filter element are provided by the manufacturers we represent. These warranties can vary by product and by manufacturer. For specific warranty details pertaining to your E021-H replacement filter element, it is recommended to contact Moisture Boss directly.

For technical support, questions regarding installation, maintenance, or troubleshooting, please reach out to Moisture Boss customer service. Contact information can typically be found on the Moisture Boss official website or through your purchase documentation.

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