MSA 801582

MSA Safety 801582 Sample Probe Passport Water Stop Filter Instruction Manual

Model: 801582

1. Introduction

This instruction manual provides essential information for the proper installation, operation, and maintenance of the MSA Safety 801582 Sample Probe Passport Water Stop Filter. This product is designed to prevent water ingress into gas detection equipment, ensuring accurate readings and protecting sensitive internal components. Please read this manual thoroughly before use to ensure safe and effective operation.

2. Product Overview and Components

The MSA Safety 801582 Water Stop Filter is a critical accessory for sample probe systems, designed to halt the flow of water and protect connected instruments. Each pack contains 10 individual filters.

Figure 1: A pack of ten MSA Safety 801582 Sample Probe Passport Water Stop Filters. These filters are designed to prevent water from entering gas detection equipment.

Each filter unit consists of a durable plastic housing with inlet and outlet ports, containing a specialized membrane or material that stops water while allowing gas samples to pass through. The compact design facilitates easy integration into existing sample lines.

Figure 2: A detailed view of a single MSA Safety 801582 Water Stop Filter, showing its clear plastic body and connection ports. The filter is marked with "ADVANTEC JP050AN".

3. Setup and Installation

Proper installation is crucial for the effective performance of the water stop filter. Follow these steps carefully:

1. **Identify Connection Points:** Determine the sample line where water ingress is a potential issue. The filter should be installed between the sample probe and the gas detection instrument.
2. **Ensure Compatibility:** Verify that the filter's connection ports are compatible with your existing sample tubing. The filter is designed for use with MSA Passport systems.
3. **Orient Correctly:** Observe the flow direction indicated on the filter body (if present) or ensure the filter is positioned to intercept water before it reaches the instrument. Typically, the wider end connects to the sample source, and the narrower end to the instrument.

4. **Secure Connections:** Connect the sample tubing securely to both the inlet and outlet ports of the filter. Ensure all connections are tight to prevent leaks, which could compromise sample integrity or filter effectiveness.
5. **Test System:** After installation, perform a system leak test according to your gas detection equipment's manual to confirm proper sealing and functionality.

Warning: Do not force connections. Incorrect installation can lead to leaks or damage to the filter and connected equipment.

4. Operating Instructions

Once installed, the MSA Safety 801582 Water Stop Filter operates passively as part of your sample line. It requires no active user input during normal operation.

- **Continuous Monitoring:** The filter continuously prevents water from reaching your gas detection sensor while allowing the gas sample to pass through.
- **Visual Inspection:** Periodically inspect the transparent body of the filter for any signs of accumulated water or discoloration, which indicates the filter is performing its function and may require replacement.
- **Flow Restriction:** A significant accumulation of water or particulate matter within the filter may cause a noticeable restriction in sample flow. This is an indication that the filter needs immediate replacement.

5. Maintenance

The MSA Safety 801582 Water Stop Filter is a disposable component and is not designed for cleaning or reuse. Regular inspection and timely replacement are the primary maintenance activities.

- **Inspection Frequency:** Inspect the filter daily or before each use, especially in environments where water exposure is likely.
- **Replacement:** Replace the filter immediately if:
  - Water is visible inside the filter housing.
  - There is a noticeable reduction in sample flow.
  - The filter material appears discolored or damaged.
  - The filter has been exposed to a significant amount of moisture.
- **Disposal:** Dispose of used filters according to local regulations for industrial waste.
- **Storage:** Store unused filters in their original packaging in a cool, dry place, away from direct sunlight and extreme temperatures.

6. Troubleshooting

Problem	Possible Cause	Solution
Reduced sample flow to instrument	Filter is clogged with water or particulate matter.	Replace the water stop filter.

Problem	Possible Cause	Solution
Water detected in gas detection instrument	Filter is compromised or improperly installed.	Inspect filter for damage. Ensure connections are secure. Replace filter if necessary.
Filter appears discolored or damaged	Exposure to harsh chemicals or physical stress.	Replace the filter immediately.

7. Specifications

Feature	Detail
Model Number	801582
Product Type	Sample Probe Passport Water Stop Filter
Brand	MSA Safety
Material	Durable Plastic (Filter Body), Stainless Steel (Internal/Connectors - as per manufacturer specifications)
Product Dimensions	3 x 2 x 0.1 inches (approximate, individual filter)
Item Weight	0.48 ounces (individual filter)
Unit Count	10 filters per pack
External Testing Certification	CE
UPC	641817010266
Primary Benefit	Prevents water ingress, reduces PFAS (as per product benefits)

8. Warranty and Support

For specific warranty information regarding the MSA Safety 801582 Sample Probe Passport Water Stop Filter, please refer to the documentation provided with your original purchase or contact MSA Safety directly. As a consumable item, filters typically have a limited warranty against manufacturing defects. For technical support, product inquiries, or to purchase replacement filters, please visit the official MSA Safety website or contact their customer service department. You can find more information at the MSA Safety Store on Amazon or their corporate website.