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DiversiTech 14175 Smokeys Instruction Manual

Smoke Pellets for Leak Detection and Airflow Testing

PRODUCT OVERVIEW

The DiversiTech 14175 Smokeys are specialized smoke pellets designed for professional and DIY applications requiring visual smoke for testing purposes. These pellets are commonly used for identifying leaks in plumbing systems, testing chimney drafts, locating sewer gas leaks, and assessing airflow in various environments. Each package contains 10 cartridges, with each pellet producing smoke for approximately 75 seconds, covering an area of up to 600 cubic feet.



Image: The DiversiTech 14175 Smokeys product packaging, showing a box labeled "Smokeys" with "14175" and "DIVERSITECH" branding, indicating it contains 10 cartridges. Next to the box is a single, cylindrical, light-colored smoke pellet.

SAFETY INFORMATION

WARNING: Smoke produced by these pellets can be hazardous if inhaled directly or in confined spaces. Always ensure adequate ventilation when using this product. Not for human consumption. Keep out of reach of children and pets.

- Use only in well-ventilated areas.
- Avoid direct inhalation of smoke.
- Ensure no flammable materials are near the pellet during use.
- Do not use in occupied spaces without proper ventilation and safety precautions.
- Store in a cool, dry place away from direct sunlight and heat sources.

SETUP

Before using the Smokeys pellets, ensure you have prepared the testing area and gathered necessary safety equipment.

1. **Ventilation:** Identify and establish appropriate ventilation for the testing area. While smoke is needed for testing, excessive accumulation should be avoided.
2. **Non-Flammable Surface:** Prepare a stable, non-flammable surface where the smoke pellet will be placed during ignition and burning. This could be a metal plate, concrete, or ceramic tile.
3. **Ignition Source:** Have a match or lighter readily available for ignition.
4. **Safety Gear:** Consider wearing gloves and eye protection, especially if working in confined spaces or handling multiple pellets.
5. **Area Preparation:** Clear the testing area of any easily ignitable materials or sensitive equipment that could be affected by smoke residue.

OPERATING INSTRUCTIONS

Follow these steps carefully to use the DiversiTech 14175 Smokeys pellets:

1. **Remove Pellet:** Carefully remove one smoke pellet from its packaging.
2. **Ignition:** Hold the pellet by one end and invert the open end over a match or lighter flame. Apply the flame directly to the open end until the pellet begins to smolder and produce smoke.
3. **Placement:** Once ignited, immediately place the smoldering pellet onto the prepared non-flammable surface in the desired testing location.
4. **Observation:** Observe the smoke's movement to identify leaks, airflow patterns, or other anomalies. Each pellet will burn for approximately 75 seconds, producing smoke for up to 600 cubic feet.
5. **Disposal:** After the pellet has completely burned out and cooled, dispose of the residue safely according to local regulations. Ensure it is no longer hot before handling.

Note: For best results in leak detection, it may be necessary to seal off certain sections of the system being tested to concentrate the smoke.

MAINTENANCE

The DiversiTech 14175 Smokeys are single-use consumables and do not require maintenance. Proper storage is crucial to ensure their effectiveness.

- Store unused pellets in their original packaging in a cool, dry place.
- Avoid exposure to moisture, high humidity, or extreme temperatures, as this can degrade the pellets and affect their burn performance.
- Keep away from open flames, sparks, and heat sources.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pellet does not ignite or produces very little smoke.	Insufficient flame applied during ignition. Pellet is damp or degraded due to improper storage.	Ensure the open end is directly over a strong flame until it smolders. Use a fresh, dry pellet. Ensure proper storage conditions.
Smoke dissipates too quickly.	Excessive ventilation in the testing area. Area being tested is too large for a single pellet.	Reduce airflow or ventilation if possible. Use multiple pellets simultaneously for larger volumes, or seal off sections for targeted testing.

Problem	Possible Cause	Solution
Smoke is not visible enough.	Ambient light is too bright. Pellet not producing full smoke output.	Dim ambient lighting or use a flashlight to illuminate the smoke path. Ensure proper ignition and use a fresh pellet.

SPECIFICATIONS

- **Model Number:** 14175
- **Brand:** DiversiTech
- **Contents:** 10 Cartridges (pellets) per package
- **Burn Time per Pellet:** Approximately 75 seconds
- **Smoke Coverage per Pellet:** Up to 600 cubic feet
- **Primary Material:** Smoke-generating compound
- **Intended Use:** Leak detection, airflow testing, chimney draft testing, sewer gas leak identification.

WARRANTY INFORMATION

As a consumable product, the DiversiTech 14175 Smokeys typically do not come with an extended warranty. However, if you receive a product that is damaged or defective upon arrival, please contact your point of purchase or DiversiTech customer support within a reasonable timeframe for assistance. Proof of purchase may be required.

SUPPORT

For further assistance, technical questions, or safety data sheets regarding the DiversiTech 14175 Smokeys, please refer to the official DiversiTech Corporation website or contact their customer service department.

DiversiTech Corporation: www.diversitech.com

Always consult official product documentation or a qualified professional for specific application advice.



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