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Sensible Products FPP-1

Sensible Products FPP-1 HVAC Air Filter Puller & Pusher Tool

Instruction Manual

INTRODUCTION

The Sensible Products FPP-1 is a versatile telescoping tool designed for HVAC maintenance technicians. It facilitates the safe and efficient removal and insertion of air filters in hard-to-reach areas, improving operational efficiency and safety during maintenance tasks.



Image: The Sensible Products FPP-1 HVAC Air Filter Puller & Pusher Tool as packaged.

SAFETY INFORMATION

Please read and understand all safety instructions before operating the tool. Failure to follow these instructions may result in injury or damage to the tool.

- Always wear appropriate personal protective equipment (PPE), including gloves and eye protection, when performing HVAC maintenance.
- Ensure the work area is clear of obstructions and well-lit.
- Do not use the tool for purposes other than its intended use of pulling and pushing air filters.
- Inspect the tool for any signs of damage, wear, or loose components before each use. Do not use if damaged.
- Keep hands and fingers clear of the gripper mechanism and telescoping sections to prevent pinching.
- Exercise caution when working in elevated or confined spaces.

PRODUCT OVERVIEW

The FPP-1 features a robust telescoping shaft, a comfortable non-slip grip handle, and a multi-function

head designed for both pulling and pushing air filters. The head incorporates a serrated jaw for secure gripping and a flat surface for gentle pushing.



Image: The FPP-1 tool in its compact, retracted state.



Image: Close-up view of the multi-function gripper head.

SETUP

The FPP-1 tool requires minimal setup before use.

1. Remove the FPP-1 tool from its packaging.
2. Inspect the tool for any visible damage or manufacturing defects. If any are found, do not use the tool and contact customer support.
3. Familiarize yourself with the telescoping mechanism by gently extending and retracting the shaft.
4. Test the gripper head's movement to understand its functionality.

OPERATING INSTRUCTIONS

Using the Puller Function (Filter Removal)

1. Extend the telescoping shaft to the appropriate length to reach the air filter. Ensure all sections are securely locked into place.
2. Carefully position the serrated jaw of the gripper head around the edge of the air filter.
3. Apply gentle pressure to ensure a secure grip on the filter.

4. With a steady motion, carefully pull the filter out of its housing. Avoid sudden jerks that could damage the filter or housing.
5. Retract the tool and safely dispose of the old filter.



Image: The FPP-1 tool fully extended, demonstrating its reach for filter removal.

Using the Pusher Function (Filter Installation)

1. Extend the telescoping shaft to the appropriate length.
2. Place the flat surface of the tool's head against the edge of the new air filter.
3. Gently guide the filter into its housing, applying even pressure.
4. Ensure the filter is securely seated and properly aligned within the housing.
5. Retract the tool once the filter is installed.

MAINTENANCE

Proper maintenance will extend the life of your FPP-1 tool.

- Clean the tool regularly with a damp cloth to remove dust, dirt, and debris. Avoid harsh chemicals.
- Store the tool in a dry environment to prevent corrosion.

- Periodically check the telescoping mechanism for smooth operation. If it becomes stiff, clean the sections and apply a small amount of light machine oil.
- Inspect the gripper head for wear or damage. Replace the tool if the gripper mechanism is compromised.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Tool does not extend or retract smoothly.	Dirt or debris in telescoping sections; lack of lubrication; bent section.	Clean telescoping sections thoroughly. Apply a light machine oil. Inspect for physical damage and replace if bent.
Difficulty gripping filters.	Gripper jaws are dirty or worn; improper angle of approach.	Clean gripper jaws. Ensure the tool is positioned correctly for a secure grip. If jaws are worn, tool may need replacement.
Tool feels loose or unstable during use.	Telescoping sections not fully engaged; damaged locking mechanism.	Ensure all telescoping sections are fully extended and locked. If the locking mechanism is damaged, discontinue use and replace the tool.

SPECIFICATIONS

- **Model Number:** FPP-1
- **Manufacturer:** Sensible Products
- **Package Dimensions:** 12.5 x 11.5 x 1.9 inches
- **Item Weight:** Approximately 8.78 ounces
- **Date First Available:** July 23, 2015

WARRANTY AND SUPPORT

For specific warranty information, product support, or to inquire about replacement parts, please refer to the original product packaging or visit the official Sensible Products website. Contact details for customer service are typically provided with the product documentation.