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Sealey SA406F

Sealey SA406F Professional Air Filter User Manual

Model: SA406F

INTRODUCTION

This manual provides essential information for the safe and effective use, installation, and maintenance of the Sealey SA406F Professional Air Filter. Designed for industrial workshop air supply setups requiring high volume applications, this unit features a polycarbonate bowl, manual drain control, and a protective metal bowl cage.



Image: Sealey SA406F Professional Air Filter, showing its compact design with a clear bowl and metal cage.

Safety Information

Always observe the following safety precautions to prevent injury or damage to the equipment.

- Ensure the air supply is disconnected before performing any installation, maintenance, or troubleshooting.

- Do not exceed the maximum operating pressure specified in the specifications section.
- The unit is suitable for use in solvent-free spray booths up to 70°C. Do not expose to temperatures outside this range.
- Clean the polycarbonate bowl with water only. **DO NOT USE ALCOHOL** or other solvents, as they can damage the bowl.
- Wear appropriate personal protective equipment (PPE), such as eye protection, when working with compressed air systems.
- Ensure all connections are secure and leak-free before operating.

SETUP AND INSTALLATION

Follow these steps for proper installation of the air filter:

1. **Mounting:** Securely mount the air filter to a stable surface using the integrated bracket. Ensure it is installed in a vertical position with the drain valve at the bottom.
2. **Inlet/Outlet Connections:** Connect the incoming air supply line to the inlet port (marked "IN" or with an arrow indicating flow direction) and the outgoing air line to the outlet port. The port size is 1/2" BSP. Use appropriate thread sealant on all connections.
3. **Drain Valve:** Ensure the manual drain valve (female 1/8" BSP outlet) is accessible for draining accumulated moisture.
4. **Pressure Check:** After installation, slowly open the air supply valve and check all connections for leaks using a soapy water solution. Tighten any leaking connections.

OPERATING INSTRUCTIONS

The Sealey SA406F air filter operates automatically once installed in the air line. Its primary function is to remove moisture and particulate matter from the compressed air supply.

- **Airflow:** The filter is designed to handle a maximum airflow of 212 cfm. Ensure your system's airflow does not consistently exceed this limit.
- **Moisture Drainage:** Regularly check the polycarbonate bowl for accumulated water. When water reaches the indicated maximum level, open the manual drain valve to release the moisture. Close the valve once all water has been drained. The frequency of drainage will depend on the humidity of the air and the usage rate.
- **Temperature Range:** Operate the filter within the specified temperature range of up to 70°C (140°F).

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your air filter.

- **Bowl Cleaning:** Periodically, or when the bowl appears dirty, disconnect the air supply and carefully remove the polycarbonate bowl. Clean the bowl with clean water only. Do not use solvents, alcohol, or abrasive cleaners, as these can cause cracking or damage. Reinstall the bowl securely.
- **Filter Element:** The filter element should be inspected periodically for excessive contamination. If the element appears clogged or significantly reduces airflow, it may need replacement. Refer to Sealey's official documentation or contact support for replacement part numbers.
- **Seal Inspection:** Check O-rings and seals for signs of wear or damage. Replace any worn seals to prevent air leaks.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------|--|---|
| Air Leakage | Loose connections, damaged seals, cracked bowl. | Tighten connections. Inspect and replace damaged seals or bowl. |
| Reduced Airflow | Clogged filter element, excessive water in bowl. | Drain water from bowl. Inspect and replace filter element if necessary. |
| Water Not Draining | Drain valve clogged or faulty. | Clear any obstruction from the drain valve. If faulty, replace the valve. |






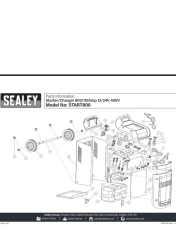
SPECIFICATIONS

| | |
|-------------------------------|------------------------------------|
| Model Number | SA406F |
| Port Size | 1/2" BSP |
| Maximum Airflow | 212 cfm |
| Maximum Operating Temperature | 70°C (140°F) |
| Drain Valve Outlet | Female 1/8" BSP |
| Dimensions (L x W x H) | 279mm x 146mm x 76mm |
| Weight | 520 g |
| Material | Metal (cage), Polycarbonate (bowl) |

WARRANTY AND SUPPORT

Sealey products are manufactured to high standards and are subject to rigorous quality control. This product comes with a standard manufacturer's warranty against defects in materials and workmanship.

- For warranty claims, please retain your proof of purchase.
- Do not attempt to repair the unit yourself, as this may void the warranty.
- For technical support, spare parts, or service inquiries, please contact Sealey customer service or visit the official Sealey website.
- You can find more information and contact details on the [Sealey Store](#).

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|---|--|
|  | <p>Sealey 9010 Filter Adapter - Pack of 2: Instructions and Safety Guide</p> <p>Comprehensive instructions and safety guidelines for the Sealey 9010 Filter Adapter (Pack of 2). Learn about introduction, safety precautions, assembly, filter fitting, obsolescence, and disposal.</p> |
|  | <p>Sealey 9010 Filter Adaptor - Pack of 2: Instructions and Safety Guide</p> <p>Detailed instructions and safety information for the Sealey 9010 Filter Adaptor, a pack of two adaptors for P2 R D Particulate Filters. Covers introduction, safety precautions, assembly, obsolescence, disposal, environmental protection, and warranty.</p> |
|  | <p>Sealey 1050CXLE v3 Trolley Jack Hydraulic Oil Safety Data Sheet</p> <p>Safety Data Sheet for Sealey 1050CXLE v3 Trolley Jack 2 Tonne Low Profile Short Chassis Hydraulic oil, detailing product identification, hazards, first aid, fire-fighting, handling, storage, physical properties, and disposal.</p> |
|  | <p>Sealey 9003 A2 P3 R D Cartridge Filter - Pack of 2: Instructions and Safety Information</p> <p>Detailed instructions and safety guidelines for the Sealey 9003 A2 P3 R D Cartridge Filter (Pack of 2). Learn about product features, safety precautions, assembly, storage, disposal, and compliance.</p> |
|  | <p>Sealey SGL01 Rechargeable Spray Gun Light 5W SMD LED - User Manual</p> <p>Detailed instructions and specifications for the Sealey SGL01 Rechargeable Spray Gun Light. Learn about its features, operation, safety precautions, and charging for automotive and workshop use.</p> |
|  | <p>Sealey START800 Starter/Charger Parts Information and Diagram</p> <p>Detailed parts information and exploded view diagram for the Sealey START800 800/110Amp 12/24V 400V Starter/Charger, including part numbers and descriptions.</p> |