

TUXING TXF02

TUXING 4500PSI PCP Air Compressor Water Oil Filter Tube (Model TXF02)

Instruction Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use, installation, and maintenance of your TUXING 4500PSI PCP Air Compressor Water Oil Filter Tube, Model TXF02. Please read this manual thoroughly before operating the product to ensure proper function and longevity.

2. PRODUCT OVERVIEW

The TUXING TXF02 filter tube is designed to separate water and oil from high-pressure air, ensuring dry and clean air output for PCP air compressors. It features a multi-stage filtration system to absorb moisture and impurities.

2.1 Key Features

- **Function:** Specifically designed for TUXING PCP air compressor oil water filter/separator systems.
- **Material Composition:** Constructed from high-quality Molecular Sieve, Activated Charcoal, Desiccant, and an Acrylic Case.
- **Durability:** Offers stable performance and a long service life due to corrosion-resisting and anti-aging materials.
- **Ease of Use:** Features a compact structure for straightforward installation and operation.
- **Application:** Compatible with most PCP oil water filters, ensuring dry and clean high-pressure air.

2.2 Filter Components

The filter tube contains several layers of filtration media, each serving a specific purpose in purifying the compressed air.

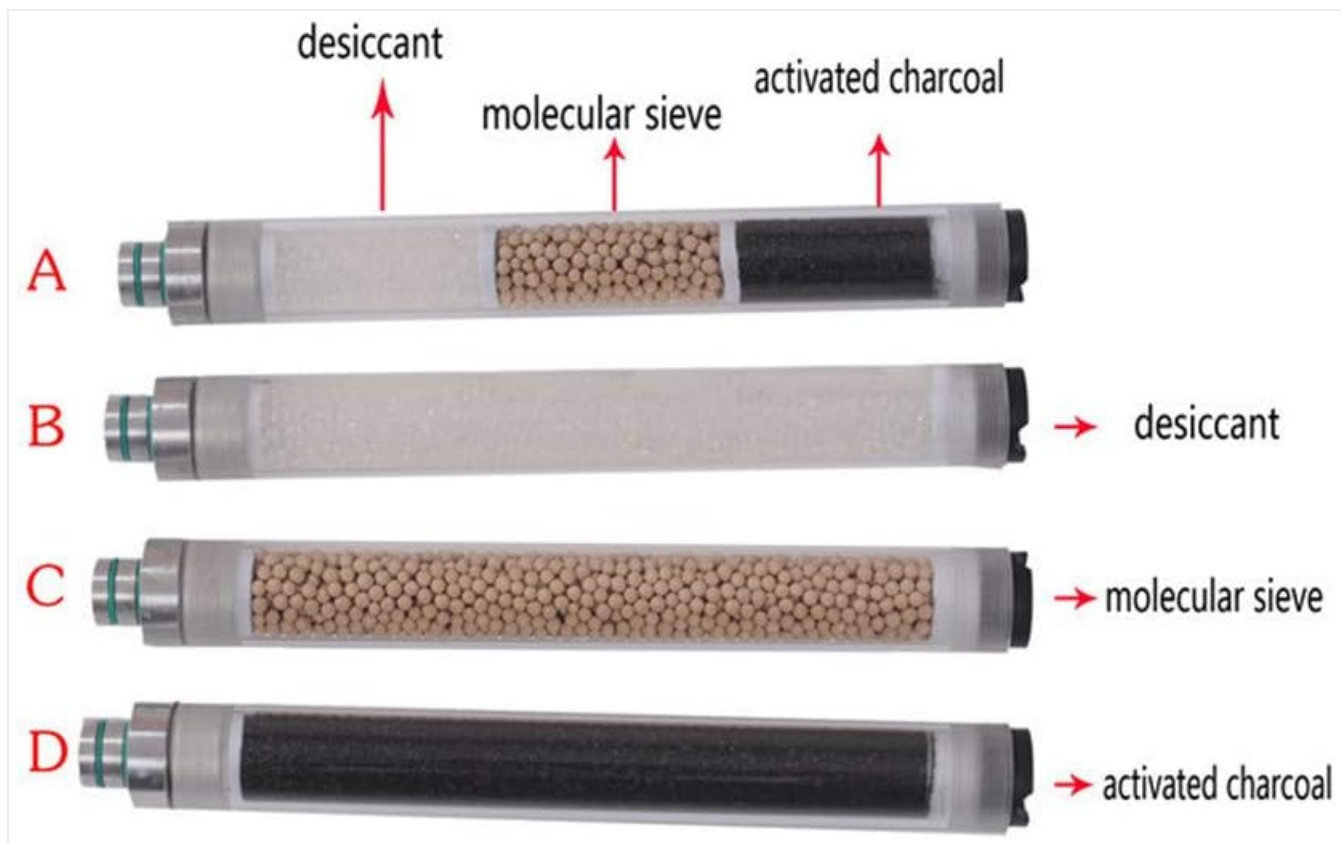


Image 1: Internal components of the TUXING filter tube. From left to right, the layers are desiccant, molecular sieve, and activated charcoal, designed to remove moisture and impurities from compressed air.



Image 2: The TUXING filter disassembled, illustrating the outer gold-colored housing and the internal filter cartridge that contains the filtration media.

3. SETUP AND INSTALLATION

The TUXING TXF02 filter tube is designed for easy integration into compatible PCP air compressor systems. Ensure you have the correct size filter for your specific compressor model.

3.1 Pre-Installation Check

- Verify that the filter tube dimensions (L350mm*OD49mm*ID36mm) match the requirements of your PCP air compressor's oil water separator.
- Inspect the filter tube for any visible damage or defects before installation.

- Ensure all necessary seals and O-rings are present and in good condition.

3.2 Installation Steps

1. **Disconnect Power:** Always ensure your PCP air compressor is powered off and depressurized before beginning installation.
2. **Locate Filter Housing:** Identify the existing oil water filter/separator housing on your air compressor.
3. **Remove Old Filter:** Carefully open the housing and remove the old filter element, if present. Dispose of it according to local regulations.
4. **Insert New Filter:** Insert the TUXING TXF02 filter tube into the housing, ensuring it is seated correctly and securely. Pay attention to the orientation if specified by your compressor's manual.
5. **Secure Housing:** Close and securely fasten the filter housing. Ensure all connections are tight to prevent air leaks.
6. **Leak Check:** After installation, perform a leak check by slowly pressurizing the system and listening for hissing sounds or using a soapy water solution on connections.



Image 3: Dimensions of the TUXING filter tube, indicating a length of 350mm and an outer diameter of 50mm. These measurements are crucial for ensuring compatibility with your compressor's filter housing.

4. OPERATING INSTRUCTIONS

Once installed, the filter tube operates passively as part of your PCP air compressor system. Its primary role is to purify the air as it passes through.

4.1 General Operation

- Ensure the filter tube is correctly installed in the oil water separator of your PCP air compressor.
- Operate your air compressor according to its manufacturer's instructions. The filter tube will automatically process the

compressed air, removing moisture and oil particles.

- Monitor the air quality and the performance of your compressor. A properly functioning filter will contribute to dry and clean air output.

4.2 Important Considerations

- The effectiveness of the filter depends on the initial air quality and humidity levels.
- Do not attempt to modify the filter tube or its components.
- Always ensure the filter is used within the specified pressure ratings of your air compressor system.

5. MAINTENANCE

Regular maintenance of the filter tube is crucial to ensure optimal performance and to prolong the life of your PCP air compressor and connected equipment.

5.1 Filter Element Replacement

The desiccant, molecular sieve, and activated charcoal within the filter tube have a finite absorption capacity. The filter element should be replaced periodically, depending on usage frequency and environmental humidity. Signs that the filter needs replacement include:

- Visible moisture or oil in the compressed air output.
- Discoloration of the desiccant material (if visible through the acrylic case).
- Reduced air quality or unusual odors in the compressed air.

To replace the filter element, follow the installation steps in reverse. Ensure the compressor is depressurized before opening the filter housing.



Image 4: A detailed view of the TUXING filter cartridge, highlighting the distinct layers of desiccant, molecular sieve, and activated charcoal. This cartridge is the replaceable component for maintenance.

5.2 Cleaning and Inspection

- Periodically inspect the exterior of the filter housing and connections for any signs of wear, damage, or leaks.
- Wipe down the exterior with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure all O-rings and seals are intact and properly seated when reassembling the filter housing.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with the filter tube.

6.1 Air Quality Issues

- **Issue:** Moisture or oil present in the compressed air output.
- **Possible Cause:** Filter element is saturated or expired.
- **Solution:** Replace the filter element (desiccant, molecular sieve, activated charcoal cartridge).
- **Possible Cause:** Incorrect installation or loose connections.

- **Solution:** Re-check all connections and ensure the filter housing is properly sealed.

6.2 Air Leaks

- **Issue:** Hissing sound or noticeable air loss around the filter housing.
- **Possible Cause:** Loose connections or damaged O-rings/seals.
- **Solution:** Tighten all connections. Inspect and replace any damaged O-rings or seals.

7. SPECIFICATIONS

Attribute	Detail
Brand	TUXING
Model Number	TXF02
Recommended Uses	For use in air compressors to filter and dry compressed air
Included Components	Filters
Item Weight	250 Grams
Color	Mix
Hose Length	0.5 Meters (if applicable to specific configurations)
Material Type	Molecular Sieve, Activated charcoal, Desiccant, Acrylic case
UPC	762790247583
Unit Count	1.0 Count

8. WARRANTY INFORMATION

Specific warranty details for the TUXING TXF02 filter tube are not provided in this manual. For information regarding product warranty, please refer to the documentation included with your purchase or contact the TUXING Official Store directly. Keep your proof of purchase for any warranty claims.

9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to purchase replacement parts for your TUXING TXF02 filter tube, please contact the TUXING Official Store or authorized distributors.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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