

TUXING TXF02

TUXING TXF02 4500Psi PCP Compressor Oil Water Filter Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your TUXING TXF02 4500Psi PCP Compressor Oil Water Filter. This filter is designed to effectively remove oil, moisture, and impurities from compressed air, ensuring cleaner air for your PCP air pump, air compressor, or scuba diving applications. Please read these instructions thoroughly before use to ensure safety and optimal performance.

2. SAFETY INFORMATION

- Always ensure the air pressure system is depressurized before installing or performing maintenance on the filter.
- Wear appropriate personal protective equipment (PPE), such as safety glasses, when working with compressed air systems.
- Do not exceed the maximum rated pressure of 4500Psi (310 Bar) for this filter.
- Ensure all connections are secure and leak-free before operating the air compressor or pump.
- Keep the filter away from heat sources and open flames.
- Store replacement parts in a clean, dry environment.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package:

- TUXING TXF02 Oil Water Filter (housing)
- Replacement Filter Elements (cotton material)
- Replacement O-rings (rubber material)



Figure 3.1: Replacement filter elements and O-rings as supplied.

4. PRODUCT OVERVIEW

The TUXING TXF02 filter is designed to be integrated into the high-pressure air line of your compressor or pump. It features a robust housing that contains the replaceable filter elements and O-rings, ensuring efficient filtration of contaminants.



Figure 4.1: TUXING TXF02 PCP Oil Water Filter housing.

5. INSTALLATION

To install the TUXING TXF02 filter, follow these steps:

1. **Depressurize System:** Ensure your air compressor or pump system is completely depressurized and turned off before beginning installation.
2. **Identify Connection Points:** Determine the appropriate location in your air hose line to install the filter. It is typically placed between the compressor/pump and the device being filled (e.g., air tank, PCP rifle).

3. **Connect Filter:** Securely attach the inlet side of the filter to the output hose of your compressor/pump and the outlet side to the hose leading to your device. Use appropriate high-pressure fittings and ensure all connections are tightened to prevent leaks.
4. **Check for Leaks:** Slowly pressurize the system and carefully check all connections for any air leaks using a soapy water solution. If bubbles appear, depressurize the system and re-tighten the connections.

6. OPERATION

Once properly installed, the TUXING TXF02 filter operates passively to clean the compressed air. As air passes through the filter housing, the cotton filter elements trap particulate matter, oil, and moisture. The filter requires no active user input during operation, but regular maintenance is crucial for its effectiveness.

7. MAINTENANCE

Regular maintenance, including the replacement of filter elements and O-rings, is essential to maintain the filter's efficiency and prevent contamination of your air supply.

7.1 Replacing Filter Elements and O-rings

1. **Depressurize System:** Ensure the entire air system is fully depressurized before attempting any maintenance.
2. **Disassemble Filter:** Carefully unscrew the filter housing components. Refer to the product diagram if available for specific disassembly instructions.
3. **Remove Old Components:** Remove the used cotton filter elements and any worn O-rings. Dispose of them responsibly.
4. **Clean Housing:** Inspect the inside of the filter housing for any debris or residue. Clean if necessary with a lint-free cloth.
5. **Install New Components:** Insert new cotton filter elements into the housing. Replace all O-rings with new ones from the replacement kit. Lightly lubricate new O-rings with a compatible silicone grease to ensure a good seal and prevent pinching.
6. **Reassemble Filter:** Carefully screw the filter housing components back together, ensuring they are hand-tightened. Avoid over-tightening.
7. **Test for Leaks:** Reconnect the filter to your air system, slowly pressurize, and check for leaks as described in the Installation section.

Recommendation: Replace filter elements and O-rings regularly, depending on usage frequency and air quality. A noticeable decrease in air flow or visible contamination on the filter elements indicates a need for replacement.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced air flow through filter	Clogged filter elements	Replace filter elements (refer to Section 7.1)
Air leaks from filter connections	Loose connections, damaged O-rings	Tighten connections; replace O-rings (refer to Section 7.1)

Problem	Possible Cause	Solution
Contaminated air after filtration	Saturated filter elements, incorrect installation	Replace filter elements; verify correct installation and O-ring placement

9. SPECIFICATIONS

Feature	Specification
Brand	TUXING
Model Number	TXF02
Material (Filter Elements)	Cotton
Material (O-rings)	Rubber
Compatible Devices	Air Compressor, Hand Operated Air Pump, PCP Systems
Maximum Pressure	4500Psi
Manufacturer	Xiamen Subang Technology Co.,Ltd.
GTIN/UPC	777989129366

10. CUSTOMER SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your TUXING TXF02 filter, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific contact information.