

TUXING TXF02

TUXING TXF02 30Mpa Oil Water Separator Instruction Manual

Model: TXF02

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your TUXING TXF02 30Mpa Oil Water Separator. This device is designed to filter oil and water vapor from high-pressure air systems, ensuring cleaner air for applications such as PCP air guns and high-pressure air compressors. Please read these instructions thoroughly before installation and operation.

2. SAFETY INFORMATION

WARNING: High-pressure systems can be dangerous. Failure to follow these safety instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE), including eye protection, when working with high-pressure air.
- Ensure all connections are secure and leak-free before pressurizing the system.
- Do not exceed the maximum recommended operating pressure of 30Mpa (4500Psi). While the product shell is designed to resist up to 45Mpa, continuous operation should remain within the 30Mpa limit.
- Never point pressurized equipment at yourself or others.
- Keep children and unauthorized personnel away from operating equipment.
- Regularly inspect the separator and its components for any signs of wear, damage, or corrosion. Replace damaged parts immediately.
- Depressurize the system completely before performing any maintenance or disassembly.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- TUXING TXF02 Oil Water Separator unit

- Replacement Filter Elements (Sponge/Cotton Swab)
- O-rings / Seals
- Quick Coupler Connector (may be pre-installed or separate)



Image: The TUXING TXF02 Oil Water Separator unit, including several white filter elements and a black O-ring.

4. SETUP AND INSTALLATION

Follow these steps to properly set up your oil water separator:

1. **Inspect Components:** Before assembly, carefully inspect all parts for any manufacturing defects or shipping damage.
2. **Install Filter Elements:** Unscrew the bottom cap of the separator. Insert the sponge and filter cotton swab elements into the main body. Ensure they are seated correctly.
3. **Secure Cap:** Re-attach the bottom cap, ensuring the O-ring is properly seated to create a tight seal. Hand-tighten firmly.

4. **Connect to Air Source:** The separator features a quick coupler connector for easy attachment. Connect the inlet side of the separator to your high-pressure air source (e.g., PCP hand pump, air compressor output). Ensure the connection is secure and leak-free.
5. **Connect to Device:** Connect the outlet side of the separator to the device requiring filtered air (e.g., PCP air gun, air tank). Again, ensure a secure and leak-free connection.



Image: A diagram illustrating the connection points of the oil water separator with a high-pressure hose and quick coupler.



Image: A disassembled view of the oil water separator, showing the internal filter element and threaded components.

5. OPERATING INSTRUCTIONS

The TUXING TXF02 Oil Water Separator is designed for straightforward operation once installed.

1. **Pre-Operation Check:** Before each use, confirm all connections are tight and there are no visible signs of damage or leaks.
2. **Start Air Source:** Begin operating your high-pressure air pump or compressor. Air will flow through the separator.
3. **Filtration Process:** As air passes through the separator, the double-layer filter elements (sponge and cotton swab) will capture oil and water vapor, removing impurities and odors. The filtration efficiency is rated at 99.9%.
4. **Monitor Pressure:** Ensure the operating pressure does not exceed 30Mpa (4500Psi).
5. **Drain Moisture (if applicable):** If your separator model includes a drain valve at the bottom, periodically open it to release accumulated moisture and oil. Close it securely after draining.
6. **Post-Operation:** Once filling is complete, depressurize the system before disconnecting the separator.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your oil water separator.

- **Filter Element Replacement:** The filter elements (sponge and cotton swab) will become saturated over time. Replace them when you notice a decrease in filtration efficiency, increased resistance to airflow, or visible discoloration. The frequency of replacement depends on usage and air quality.
- **Disassembly for Cleaning:** To replace filters, ensure the system is depressurized. Unscrew the bottom cap of the separator. Remove the old filter elements.
- **Cleaning:** Wipe down the internal and external surfaces of the separator with a clean, dry cloth. Do not use harsh chemicals that could damage the aluminum housing or seals.
- **O-ring Inspection:** Inspect all O-rings for cracks, tears, or compression set. Replace any damaged O-rings to maintain a proper seal.
- **Reassembly:** Insert new filter elements, ensuring correct orientation. Re-install O-rings and securely tighten the cap.



Image: The TUXING TXF02 Oil Water Separator shown with its components, including replacement O-rings and filter elements, ready for maintenance.

7. TROUBLESHOOTING

If you encounter issues with your TUXING TXF02 Oil Water Separator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Air Leakage	Loose connections, damaged O-rings, improperly seated cap.	Check and tighten all connections. Inspect and replace damaged O-rings. Ensure the cap is securely tightened.
Reduced Airflow / Slow Filling	Saturated or clogged filter elements.	Replace the filter elements.
Oil/Water Still Present in Air	Saturated filter elements, incorrect installation, bypass.	Replace filter elements. Verify correct installation and ensure no air is bypassing the filter.
Unusual Noise	Loose components, internal damage.	Depressurize and inspect the unit for any loose parts. If damage is suspected, discontinue use and contact support.

8. SPECIFICATIONS

Feature	Detail
Brand	TUXING
Model Number	TXF02
Material	Aviation Aluminum
Product Dimensions (L x W x Th)	1.18" x 1.18" x 3.93"
Maximum Operating Pressure	30Mpa (4500Psi)
Maximum Pressure Resistance	45Mpa
Filtration Efficiency	99.9% (Oil and sewage vapor, odor removal)
Filter Type	Double-layer (Sponge, Filter Cotton Swab)
Compatible Devices	PCP air compressors, Hand Operated Air pumps

9. WARRANTY AND SUPPORT

Warranty: The product information indicates "Warranty Description: Not Application". Please refer to your point of purchase or the TUXING official website for any specific warranty terms that may apply.

Customer Support: For technical assistance, replacement parts, or any questions regarding your TUXING TXF02 Oil Water Separator, please contact TUXING customer support through their official website or your retailer.

You can visit the TUXING Store for more information:[TUXING Official Store](#)

Ask a question about this manual

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

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

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