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› [DOLUNTO](#) /

› DOLUNTO 300Bar 4500PSI PCP Air Compressor TXES022 Instruction Manual

DOLUNTO TXES022

DOLUNTO 300Bar 4500PSI PCP Air Compressor TXES022 Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your DOLUNTO 300Bar 4500PSI PCP Air Compressor, Model TXES022. Please read this manual thoroughly before using the compressor to ensure proper function and to prevent injury or damage.



Image 1.1: Overview of the DOLUNTO 300Bar 4500PSI PCP Air Compressor.

2. IMPORTANT SAFETY INSTRUCTIONS

Operating high-pressure equipment requires strict adherence to safety guidelines. Failure to follow these instructions may result in serious injury or property damage.

- Always operate the compressor in a well-ventilated area.
- Ensure the compressor is placed on a stable, level surface.
- Do not exceed the maximum operating pressure of 300 Bar (4500 PSI / 30 MPa).
- The compressor temperature should not exceed 85°C. Monitor the temperature gauge during operation.
- Before initial use, replace the crankcase breather. Failure to do so is dangerous.
- Before each use, check the oil level and ensure it is at the position of the red dot on the oil level indicator.
- Ensure all connections (filter, hose) are securely assembled and free of leaks before operation.
- Due to transportation restrictions, the compressor does not contain oil upon delivery. You must add oil before first use.
- Keep children and unauthorized personnel away from the compressor during operation.
- Always wear appropriate personal protective equipment (PPE), such as safety glasses.
- Disconnect power before performing any maintenance or inspection.

3. PARTS IDENTIFICATION

Familiarize yourself with the components of your compressor:

PARTS OF COMPRESSOR

External tube type

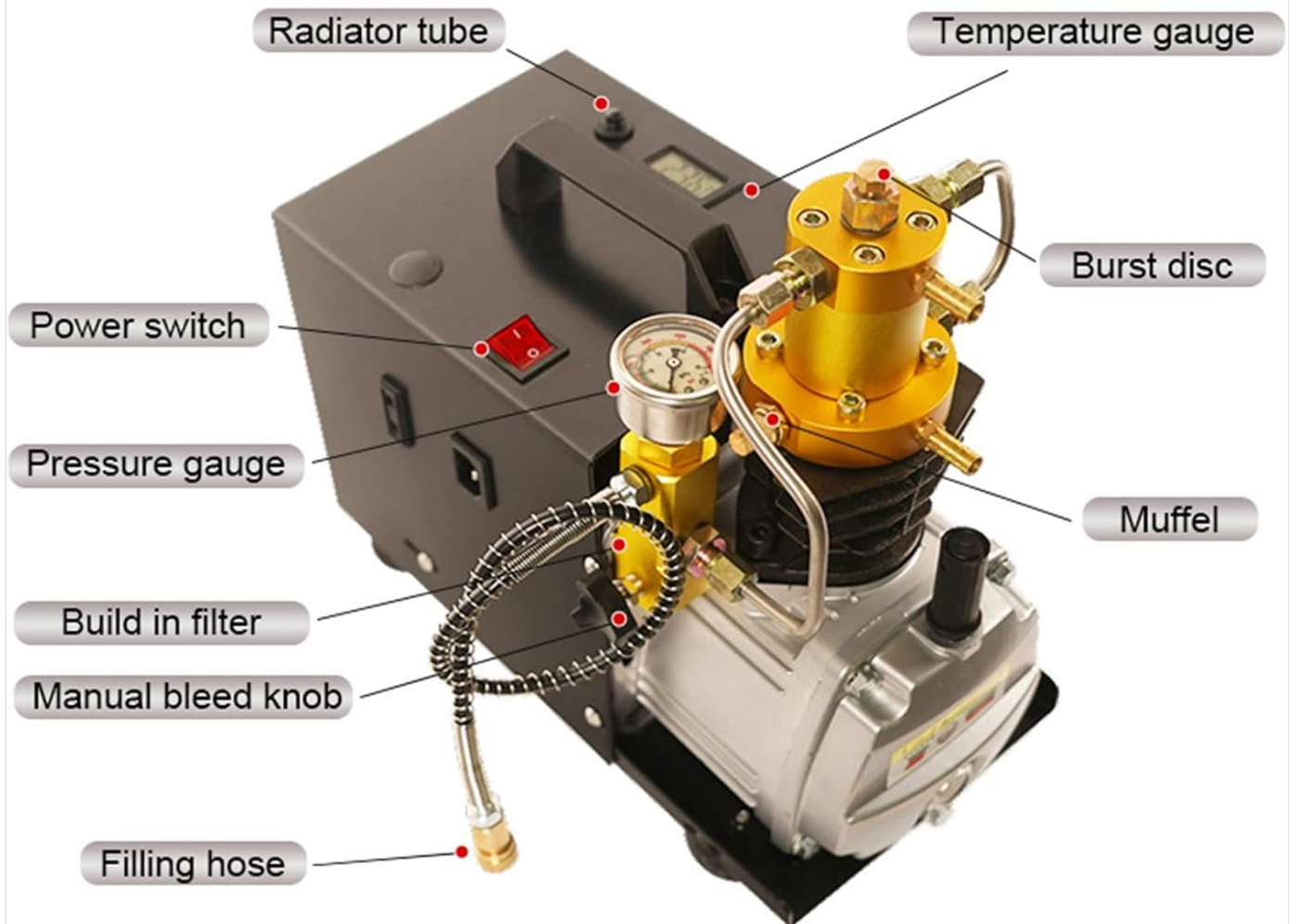


Image 3.1: Labeled components of the compressor.

- **Radiator Tube:** Part of the cooling system, dissipates heat.
- **Temperature Gauge:** Displays the internal operating temperature of the compressor.
- **Burst Disc:** A safety device designed to rupture and release pressure if it exceeds a safe limit.
- **Muffel (Muffler):** Reduces operational noise.
- **Filling Hose:** Connects the compressor to the tank or device being inflated.
- **Manual Bleed Knob:** Used to release residual pressure from the system after operation.
- **Build-in Filter:** Filters air entering the compressor.
- **Pressure Gauge:** Displays the current output pressure.
- **Power Switch:** Controls the main power to the compressor.

4. DETAILED COMPONENTS

Closer look at key components:

PRODUCT IN DETAIL



Filling hose

8mm female connector Good material can bear 63Mpa

Temperature gauge

Digital display to show the machine temperature



Oil level indicator

Check the oil level any time

Image 4.1: Detailed view of the filling hose, temperature gauge, and oil level indicator.

4.1 Filling Hose

The filling hose features an 8mm female connector and is constructed from durable material capable of withstanding up to 63 MPa (approximately 9137 PSI).

4.2 Temperature Gauge

A digital display shows the machine's current operating temperature, crucial for monitoring and preventing overheating.

4.3 Oil Level Indicator

Allows for easy visual inspection of the oil level at any time, ensuring proper lubrication.

5. SETUP AND INITIAL PREPARATION

Follow these steps carefully before operating your compressor for the first time:

1. **Unpacking Inspection:** Upon receiving the compressor, check the outer packaging and the machine for any signs of damage. Report any damage immediately.
2. **Crankcase Breather:** Before using the compressor, locate and replace the shipping plug with the provided crankcase breather. This is a critical safety step.
3. **Add Oil:** The compressor is shipped without oil. Add appropriate compressor oil (refer to manufacturer recommendations) until the oil level reaches the red dot on the oil level indicator.
4. **Connect Filter and Hose:** Install the air filter along with the filling hose. Ensure the blue filter and hose are securely assembled and there is no leakage.
5. **Power Connection:** Connect the compressor to a suitable power outlet. Ensure the voltage matches your compressor's requirements (220V for this model).



Image 5.1: Rear view of the compressor, illustrating the power input connection.

OPTIONAL PLUG



EU Plug



UK Plug



US Plug



Standard Plug

Image 5.2: Examples of optional power plug types for different regions.

6. OPERATING INSTRUCTIONS

Once the compressor is set up and all safety checks are complete, follow these steps for operation:

1. **Connect to Tank:** Securely connect the filling hose to the tank or device you intend to inflate. Ensure a tight, leak-free connection.
2. **Set Desired Pressure:** If your compressor has an adjustable pressure setting, set it to the desired fill pressure.

Always ensure this is within the safe operating limits of both the compressor and the tank being filled.

- 3. **Turn On Power:** Flip the power switch to the 'ON' position. The compressor will begin to operate.
- 4. **Monitor Operation:** Continuously monitor the pressure gauge and temperature gauge during operation. Do not exceed 300 Bar (4500 PSI) or 85°C.
- 5. **Stop Compressor:** Once the desired pressure is reached, turn off the power switch.
- 6. **Bleed Pressure:** Slowly open the manual bleed knob to release the residual pressure from the filling hose and system. This is crucial before disconnecting the hose.
- 7. **Disconnect Hose:** Once all pressure is released, safely disconnect the filling hose from the tank.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your compressor:

- **Oil Level Check:** Check the oil level before each use. Top up or replace oil as needed according to the manufacturer's recommendations.
- **Cooling System:** Ensure the water and fan cooling system is functioning correctly. Keep cooling vents clear of obstructions.
- **Air Filter:** Regularly inspect and clean or replace the air filter to maintain air quality and compressor efficiency.
- **Hose and Connections:** Periodically inspect the filling hose and all connections for wear, damage, or leaks. Replace any damaged components immediately.
- **Storage:** Store the compressor in a clean, dry environment when not in use.

8. TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
Compressor does not start	No power supply Power switch off Thermal overload activated	Check power connection and outlet Turn power switch on Allow compressor to cool down, then restart
Low pressure output	Air leaks in connections Clogged air filter Insufficient oil	Check all hose connections for leaks and tighten Clean or replace air filter Check oil level and add if necessary
Overheating (temperature exceeds 85°C)	Insufficient cooling Prolonged operation High ambient temperature	Ensure cooling fan is working and vents are clear Allow compressor to cool down between uses Operate in a cooler environment
Unusual noise or vibration	Loose components Internal mechanical issue	Inspect for loose screws or parts and tighten Contact customer support if noise persists

9. TECHNICAL SPECIFICATIONS

Specification	Detail
Model	TXES022
Brand	DOLUNTO
Power Rating	1800W
Voltage	220V (This model)
Net Weight	17.2 KG (for 220V model)
Cooling System	Water and Fan Cooling
Noise Level	80 dB
Dimensions (L×W×H)	400mm × 240mm × 450mm
Compression Stage	Two-stage
Lubrication Mode	Splash Type
Inflating Speed	2800 R/MIN
Max. Filling Pressure	300 Bar / 4500 PSI / 30 MPa
Power Source	Corded Electric

10. WARRANTY AND CUSTOMER SUPPORT

For warranty information, technical assistance, or service inquiries, please refer to the documentation provided with your purchase or contact your retailer. Keep your purchase receipt as proof of purchase for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question