

TIMBERTECH AS186

TIMBERTECH AS186 Airbrush Compressor User Manual

Model: AS186

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your TIMBERTECH AS186 Airbrush Compressor. The AS186 is a high-performance, single-piston, oil-free mini compressor designed for various applications including hobby, cake decoration, tattoo art, automotive graphics, and make-up. It features a 3-liter air tank, pressure regulator, and moisture trap, ensuring consistent airflow and extended lifespan.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before operating this product. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Electrical Safety:** Ensure the compressor is connected to a properly grounded 120V power outlet. Do not operate in wet conditions or with wet hands. Disconnect power before performing any maintenance.
- **Pressure Safety:** Never exceed the maximum operating pressure of 4 Bars (58 PSI). The compressor is equipped with a pressure relief safety valve; do not tamper with it.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent overheating. Ensure adequate space around the unit for air circulation.
- **Children and Pets:** Keep the compressor out of reach of children and pets. This is not a toy.
- **Intended Use:** Use this compressor only for its intended purpose as an airbrush compressor. Do not modify the unit or use it for applications it was not designed for.
- **Maintenance:** Regularly drain moisture from the air tank. Perform maintenance only when the compressor is unplugged and depressurized.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- TIMBERTECH AS186 Airbrush Compressor with 3L Tank

- Pressure Regulator with Gauge
- Moisture Trap / Air Filter
- Power Cord
- Instruction Manual (this document)
- *Note: Airbrush and air hose are typically sold separately.*

4. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your AS186 airbrush compressor.



Figure 4.1: Overall view of the TIMBERTECH AS186 Airbrush Compressor. This image displays the compact design, integrated carry handle, and the main components including the motor unit, air tank, and pressure regulator assembly.



Figure 4.2: Key functional components. This image highlights the On/Off switch for power control, efficient heat dissipation fin design on the motor, the air release valve for depressurizing, and the water drain valve located at the bottom of the tank.

AIR PRESSURE

Knob control for quick adjustment



*Pull the knob up and rotate
Read from the gauge and choose the level you need*

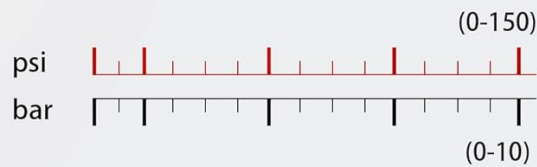


Figure 4.3: Air Pressure Regulator. This component allows for precise adjustment of the output air pressure using the knob control. The integrated gauge displays the current pressure in both PSI and Bar. To adjust, pull the knob up and rotate, then push down to lock.



Figure 4.4: Additional features. This image shows the suction pads for stability during operation, the auto start (3 Bar / 43 PSI) and auto stop (4 Bar / 58 PSI) pressure settings, and the drain button for releasing accumulated water from the moisture trap.

5. SETUP INSTRUCTIONS

1. **Unpack:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Placement:** Place the compressor on a stable, level surface. Ensure adequate ventilation around the unit. The suction pads on the feet (refer to Figure 4.4) will help secure it.
3. **Connect Air Hose:** Attach your airbrush hose (not included) to the air outlet on the pressure regulator. Ensure a secure, airtight connection.
4. **Power Connection:** Plug the power cord into a grounded 120V electrical outlet.
5. **Initial Pressure Check:** Before turning on, ensure the pressure regulator knob is set to a low pressure or fully counter-clockwise to prevent sudden pressure surges.

6. OPERATING INSTRUCTIONS

1. **Power On:** Flip the On/Off switch (refer to Figure 4.2) to the 'On' position. The compressor will begin to fill the 3-liter air tank.
2. **Pressure Adjustment:**
 - Pull up the pressure regulator knob (refer to Figure 4.3).
 - Rotate the knob clockwise to increase pressure or counter-clockwise to decrease pressure. Observe the gauge for the desired setting.
 - Once the desired pressure is set, push the knob down to lock it in place.
3. **Automatic Operation:** The AS186 features an auto start/stop function. The compressor will automatically start when the tank pressure drops to approximately 3 Bar (43 PSI) and stop when it reaches approximately 4 Bar (58 PSI) (refer to Figure 4.4). This maintains consistent pressure and extends motor life.
4. **Using Your Airbrush:** Connect your airbrush to the hose and begin your work. The compressor will maintain the set pressure.
5. **Power Off:** When finished, turn the On/Off switch to the 'Off' position. Disconnect the airbrush and depressurize the system by briefly opening the air release valve or by using your airbrush until the gauge reads zero.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your compressor. Always unplug the compressor before performing any maintenance.

1. **Drain Moisture from Tank:** After each use, or at least daily, drain any accumulated moisture from the air tank.
 - Ensure the compressor is off and depressurized.
 - Locate the water drain valve at the bottom of the tank (refer to Figure 4.2).
 - Open the valve to release condensed water. Close it securely afterward.
2. **Drain Moisture from Moisture Trap:** The moisture trap (part of the regulator assembly) also collects water.
 - Press upward on the drain button at the bottom of the moisture trap to release collected water (refer to Figure 4.4). Do not press this button when the machine is working or when the pressure stops.
3. **Clean Air Filter:** Periodically check and clean the air filter located on the intake side of the compressor. A clogged filter can reduce performance.
4. **General Cleaning:** Wipe down the exterior of the compressor with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not turn on.	No power, faulty switch, tripped circuit breaker.	Check power connection. Ensure switch is 'On'. Check circuit breaker.
No air output or low pressure.	Air hose disconnected, regulator set too low, clogged air filter, leak in system.	Check hose connections. Adjust regulator. Clean air filter. Check for leaks.

Problem	Possible Cause	Solution
Compressor runs continuously.	Leak in air system, faulty auto-stop sensor.	Check all connections for leaks. If problem persists, contact support.
Excessive noise or vibration.	Loose components, compressor not on a stable surface.	Check for loose parts. Ensure compressor is on a stable, level surface.
Compressor overheats and shuts off.	Poor ventilation, prolonged heavy use.	Ensure adequate ventilation. Allow compressor to cool down. Reduce continuous operating time.

9. SPECIFICATIONS






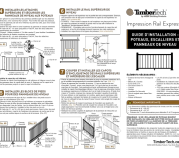
Feature	Detail
Model Name	AS186
Brand	TIMBERTECH
Power Source	Corded Electric
Voltage	120 Volts
Motor Horsepower	0.17 HP
Tank Volume	3 Liters
Maximum Operating Pressure	4 Bars (58 PSI)
Auto Start Pressure	3 Bars (43 PSI)
Auto Stop Pressure	4 Bars (58 PSI)
Air Flow Capacity	20-23 Liters Per Minute
Noise Level	47 dB
Item Weight	4.82 Kilograms (10.61 pounds)
Product Dimensions	12.6"L x 5.5"W x 12.2"H
Special Feature	Heavy Duty, Oil-less Piston, Portable

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact TIMBERTECH customer service directly. Keep your purchase receipt as proof of purchase.

You can often find support contact details on the official TIMBERTECH website or through the retailer where the product was purchased.

Related Documents - AS186

	<p>TimberTech 150W Power Pack Operating Instructions, Safety, and Troubleshooting Guide</p> <p>Detailed operating instructions, safety warnings, installation guide, troubleshooting steps, and electrical specifications for the TimberTech 150W Power Pack landscape lighting system. Includes guidance on wattage calculation, mode functions, and error code resolution.</p>
	<p>AZEK Deck Warranty - Lifetime Limited Warranty for TimberTech Decking</p> <p>Official lifetime limited warranty details for AZEK Decking products, including Harvest, Arbor, and Vintage Collections, from TimberTech. Learn about coverage, exclusions, and how to obtain warranty service.</p>
	<p>TimberTech Advanced PVC Decking Installation and Maintenance Guide</p> <p>Comprehensive guide for installing and maintaining TimberTech Advanced PVC Decking, covering substructure, fasteners, expansion, contraction, stair installation, fascia, and care. Includes detailed instructions for Cortex, CONCEALoc, FUSIONLoc, and SIDEloc hidden fastening systems.</p>
	<p>TimberTech Deck & Porch Care and Cleaning Guide</p> <p>Comprehensive guide from TimberTech by AZEK Building Products on how to clean and maintain TimberTech decking, porch, and railing products, including recommended cleaners, brushes, and cleaning methods for various collections.</p>
	<p>TimberTech AZEK Decking Installation and Maintenance Guide</p> <p>Comprehensive installation and maintenance guide for TimberTech AZEK Decking, covering tools, preparation, fastening methods (Cortex, CONCEALoc, FUSIONLoc, SIDEloc), stair installation, fascia, and care instructions.</p>
	<p>TimberTech Impression Rail Express Installation Guide</p> <p>A comprehensive installation guide for the TimberTech Impression Rail Express deck railing system. This guide provides step-by-step instructions for installing posts, level panels, and stair railings, along with essential tips, safety precautions, and material requirements.</p>