

WilTec 34201

WilTec AS176 Compact Airbrush Compressor User Manual

Model: 34201

1. INTRODUCTION

The WilTec AS176 Compact Airbrush Compressor is a versatile and efficient tool designed for a wide range of airbrushing applications, including tattoos, nail art, model building, and automotive lacquering. Its user-friendly design makes it suitable for both beginners and experienced professionals.

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your WilTec AS176 Compact Airbrush Compressor. Please read it thoroughly before first use to ensure proper handling and to maximize the lifespan of your device.

2. SAFETY INSTRUCTIONS

2.1 General Safety

- Always operate the compressor in a well-ventilated area to prevent heat buildup.
- Do not expose the compressor to rain, moisture, or extreme temperatures.
- Ensure the power supply matches the compressor's requirements (230 Volts).
- Keep children and pets away from the operating compressor and its accessories.
- Disconnect the compressor from the power source before performing any maintenance, cleaning, or when not in use.

2.2 Electrical Safety

- Do not use the compressor with a damaged power cord or plug. If damaged, contact qualified personnel for repair or replacement.
- Avoid overloading electrical outlets. Use a dedicated circuit if possible.
- Do not operate the compressor if it shows any signs of electrical damage or malfunction.

2.3 Operational Safety

- The compressor features integrated thermal protection, which automatically shuts down the motor to prevent

overheating. Allow the unit to cool down if this occurs.

- An additional safety element protects the air tank from overpressure, ensuring safe operation within specified limits.
- Do not exceed the maximum operating pressure of 3 Bar.
- This compressor is oil-free, eliminating the risk of air contamination from oil particles.

3. PRODUCT OVERVIEW AND COMPONENTS

The WilTec AS176 is a compact, portable, and oil-free airbrush compressor designed for quiet and efficient operation. Its robust construction ensures durability and consistent performance.



Figure 1: Front view of the WilTec AS176 Compact Airbrush Compressor, showing the main unit, a coiled air hose, and a moisture trap. This image illustrates the compact design and included accessories.

3.1 Main Components

- **Compressor Unit:** The main body housing the motor and pump, featuring active cooling via an integrated fan.
- **Pressure Gauge:** Displays the current air pressure in both Bar and PSI for precise control.
- **Pressure Regulator Knob:** Used to adjust the output air pressure to suit different airbrushing needs.

- **Air Outlet:** The connection point for the air hose leading to your airbrush gun.
- **Power Switch:** A simple ON/OFF control for the unit, typically located on the side.
- **Carry Handle:** Integrated into the top for easy transport.
- **Moisture Trap:** An essential accessory (often included) that filters moisture from the compressed air, preventing water from reaching your airbrush and affecting your work.



Figure 2: Close-up view of the compressor's control panel, highlighting the pressure gauge and the pressure regulator knob for precise air pressure adjustment.

4. SETUP

1. **Unpacking:** Carefully remove the compressor and all accompanying accessories from their packaging. Retain the packaging for future storage or transport.
2. **Placement:** Place the compressor on a stable, level, and clean surface in a well-ventilated area. Ensure there is adequate space around the unit for proper air circulation and cooling.
3. **Connect Air Hose:** Connect one end of the air hose (e.g., 5-meter hose) to the air outlet on the compressor. If

using a moisture trap, connect it inline between the compressor and your airbrush gun to ensure dry air delivery.

4. **Connect Airbrush:** Attach your airbrush gun to the other end of the air hose. Ensure all connections are secure to prevent air leaks.
5. **Power Connection:** Before plugging in, ensure the power switch on the compressor is in the "OFF" position. Then, plug the power cord into a suitable 230V electrical outlet.



Figure 3: Side view of the compressor showing the attached power cord and European-style plug, ready for connection to a power source. This highlights the electrical connection point.

5. OPERATING INSTRUCTIONS

1. **Power On:** Flip the power switch to the "ON" position. The compressor will immediately begin to build pressure.
2. **Adjust Pressure:** Use the pressure regulator knob to set the desired working pressure for your airbrushing task. Turn the knob clockwise to increase pressure and counter-clockwise to decrease it. The pressure gauge will display

the current output pressure.

3. **Automatic Start/Stop:** The compressor is equipped with an automatic start/stop function. It will automatically turn off when the set pressure is reached and turn back on when the pressure drops during continuous use, ensuring consistent airflow without constant manual intervention.
4. **Airbrushing:** Once the desired pressure is set, you can begin your airbrushing task. This compressor is suitable for airbrush guns with nozzle diameters typically ranging from 0.2 mm to 1 mm. Please note that using larger nozzles may require higher pressure and air flow for optimal performance.
5. **Power Off:** When you have completed your airbrushing session, turn off the compressor by flipping the power switch to the "OFF" position.
6. **Depressurize:** To release any remaining air pressure from the system, trigger your airbrush gun until the pressure gauge reads zero. This helps to relieve stress on the system components.

6. MAINTENANCE

Regular maintenance is crucial for ensuring the longevity, reliability, and optimal performance of your WilTec AS176 compressor. As an oil-free unit, it requires minimal maintenance.

6.1 Daily Maintenance

- After each use, drain any accumulated moisture from the moisture trap. This prevents water from entering your airbrush and ensures clean air delivery.
- Wipe down the exterior of the compressor with a clean, dry, soft cloth to remove dust and paint residue.

6.2 Periodic Maintenance

- Inspect the air hose regularly for any signs of wear, cracks, kinks, or leaks. Replace the hose if any damage is observed to maintain consistent air pressure.
- Check all connections (hose to compressor, hose to airbrush, moisture trap connections) to ensure they are secure and airtight.
- Since this is an oil-free compressor, no oil changes or lubrication of internal components are required, simplifying maintenance.



Figure 4: Rear view of the compressor, illustrating the robust construction and the point where the power cord connects to the unit. This view is useful for checking power connections during maintenance.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your WilTec AS176 compressor. For problems not listed here, please contact customer support.

Common Issues and Solutions

Problem	Possible Cause	Solution
Compressor does not turn on.	No power supply; Power switch off; Thermal overload activated.	Check power cord connection and electrical outlet; Ensure power switch is in the ON position; If overheated, allow the compressor to cool down for 15-30 minutes.

Problem	Possible Cause	Solution
Low or no air pressure output.	Air hose leak or kink; Pressure regulator set too low; Clogged airbrush nozzle.	Inspect air hose for damage and ensure connections are tight; Adjust the pressure regulator knob clockwise to increase pressure; Clean your airbrush nozzle thoroughly.
Compressor runs continuously without stopping.	Air leak in the system (hose, connections, airbrush); Regulator set to maximum pressure or faulty.	Check all air connections for leaks (listen for hissing); Adjust the regulator to a lower working pressure; If problem persists, contact support.
Excessive noise or vibration during operation.	Loose components; Compressor placed on an uneven or resonant surface.	Check for any loose screws or parts and tighten them; Place the compressor on a stable, level, and possibly padded surface to absorb vibrations.

8. SPECIFICATIONS

Detailed technical specifications for the WilTec AS176 Compact Airbrush Compressor.

Technical Data

Feature	Specification
Model	AS176 (Manufacturer ID: 34201)
Brand	WilTec
Voltage	230 Volts
Max Pressure	3 Bar
Noise Level	47 dB
Special Features	Oil-free pump, Automatic Start/Stop, Integrated Thermal Protection, Active Cooling
Dimensions (L x W x H)	20.5 x 21.49 x 16.99 cm
Weight	2.74 kg
Recommended Nozzle Diameter	0.2 - 1 mm
Included Components	Hose (5 meters, if necessary). Airbrush gun (if included in bundle).

9. WARRANTY AND SUPPORT

For detailed warranty information, terms, and conditions, please refer to the official WilTec website or contact your authorized retailer. It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

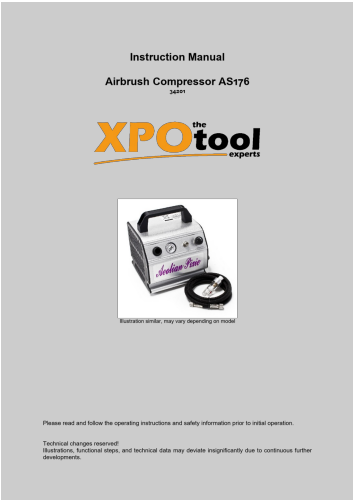
Should you require technical assistance, spare parts, or have any questions regarding the operation or maintenance of your WilTec AS176 compressor, please reach out to WilTec customer support or your point of purchase. Provide your model number (34201) and a clear description of the issue for efficient service.

Related Documents - 34201

Operation Manual Airbrush Extraction System with Water Wall XPOtool  Read and follow the operating instructions carefully. Otherwise, serious injury to the body may occur. The instructions must be read and understood before using the device. The instructions must be read and understood before using the device. The instructions must be read and understood before using the device.	XPOtool Airbrush Extraction System with Water Wall (Model 34280) - Operation Manual Comprehensive operation manual for the XPOtool Airbrush Extraction System with Water Wall (Model 34280). This guide provides essential safety instructions, a detailed parts list, assembly procedures, operational guidance, filter maintenance, and disposal regulations for the airbrush spray booth.
Operation Manual Piston Pump Paint Sprayer XPOtool  Read and follow the operating instructions carefully. Otherwise, serious injury to the body may occur. The instructions must be read and understood before using the device. The instructions must be read and understood before using the device. The instructions must be read and understood before using the device.	XPOtool 63003 Piston Pump Paint Sprayer Operation Manual Comprehensive operation manual for the XPOtool 63003 Piston Pump Paint Sprayer. Covers safety, assembly, operation, maintenance, troubleshooting, and parts. Essential guide for safe and effective use.
Manuel de instructions Compresseur #4 l WILTEC  Les instructions de sécurité et les instructions de fonctionnement doivent être lues attentivement avant d'utiliser l'appareil. Les instructions de sécurité et les instructions de fonctionnement doivent être lues attentivement avant d'utiliser l'appareil. Les instructions de sécurité et les instructions de fonctionnement doivent être lues attentivement avant d'utiliser l'appareil.	WilTec Compressor 24 l Instruction Manual Comprehensive instruction manual for the WilTec Compressor 24 l (Article 61957), covering safety, operation, maintenance, and troubleshooting. Learn how to safely and effectively use your air compressor.
Instruction Manual Pressure Switch XPOtool  Please read carefully the operating instructions and safety instructions before using the device. Please read carefully the operating instructions and safety instructions before using the device. Please read carefully the operating instructions and safety instructions before using the device.	XPOtool Pressure Switch 61589 Instruction Manual Instruction manual for the XPOtool Pressure Switch (model 61589), covering safety instructions, intended use, technical data, operation, and waste disposal regulations.
Operation Manual Foldable Painting Stand wiltec  Read and follow the operating instructions carefully. Otherwise, serious injury to the body may occur. The instructions must be read and understood before using the device. The instructions must be read and understood before using the device. The instructions must be read and understood before using the device.	Wiltec Foldable Painting Stand 65656 Operation Manual Operation manual for the Wiltec Foldable Painting Stand (model 65656). Includes safety instructions, assembly steps, and parts overview for proper and safe use.

Bedienungsanleitung Aquariumsfilter HW-504A, HW-505A 34201 Bitte lesen und beachten Sie vor der Inbetriebnahme die Bedienungsanleitung und die Sicherheitsanweisungen. Technische Änderungen vorbehalten! Illustrationen, funktionale Schritte und technische Daten können sich aufgrund von Weiterentwicklungen unterscheiden.	SUNSUN HW-504A & HW-505A Aquarium External Filter User Manual Comprehensive user manual for the SUNSUN HW-504A and HW-505A external aquarium filters, detailing installation, operation, maintenance, and troubleshooting.
---	--

Documents - WilTec – 34201



[\[pdf\]](#) User Manual Instructions Declaration of Conformity Diagram

Bedienungsanleitung Steffi Instruction Manual Airbrush Compressor AS176 34201 doc en service wiltec de manuals 34 EN |||

Instruction Manual Airbrush Compressor AS176 **34201** Illustration similar, may vary depending on model Please read and follow the operating instructions and safety information prior to initial operation. Technical changes reserved Illustrations, functional steps, and technical data may deviate insign...

lang:en **score:56** filesize: 741.22 K page_count: 9 document date: 2022-04-29



[\[pdf\]](#) User Manual Declaration of Conformity Diagram

Bedienungsanleitung Steffi Manual de instrucciones Compresor aerografía AS176 34201 doc es service wiltec manuals 34 ES |||

Manual de instrucciones Compresor de aerografa AS176**34201** Imagen similar, puede diferir segn el modelo Por favor, lea y respete las instrucciones de uso e indicaciones de seguridad antes de la puesta en marcha. Reservado el derecho a modificaciones tcnicas Debido a continuos desarrollos, ilustraci...

lang:es **score:42** filesize: 720.72 K page_count: 9 document date: 2022-10-10

Bedienungsanleitung

Airbrush-Kompressor AS176
34201

XPO the tool
experts



Abbildung ähnlich, kann je nach Modell abweichen

Bitte lesen und beachten Sie vor der Inbetriebnahme die Bedienungsanleitung und Sicherheitshinweise!

Technische Änderungen vorbehalten!
Durch stetige Weiterentwicklungen können Abbildungen, Funktionsansichten und technische Daten gegebenenfalls abweichen.

[\[pdf\]](#) User Manual Declaration of Conformity Diagram

Bedienungsanleitung Steffi Airbrush Kompressor AS176 34201 doc de service wiltec manuals 34 DE |||

Bedienungsanleitung Airbrush-Kompressor AS176 **34201** Abbildung ähnlich, kann je nach Modell abweichen Bitte lesen und beachten Sie vor der Inbetriebnahme die Bedienungsanleitung und Sicherheitshinweise Technische Änderungen vorbehalten Durch stetige Weiterentwicklungen können Abbildungen, Funktionssch...

lang:de **score:40** filesize: 724.8 K page_count: 9 document date: 2022-04-29

Manuale di istruzioni

Compressore per aerografo AS176
34201

XPO the tool
experts



Immagine a scopo rappresentativo, può variare a seconda del modello

Prima di mettere in funzione il dispositivo, leggere e seguire le istruzioni per l'uso e le indicazioni di sicurezza.

Con riserva di modifiche tecniche!
Come conseguenza del costante sviluppo del prodotto, illustrazioni, passaggi funzionali e dati tecnici possono essere soggetti a leggere variazioni.

[\[pdf\]](#) Declaration of Conformity

Bedienungsanleitung Steffi Manuale di istruzioni per Compressore aerografo AS176 compatto 3 bar 1

cilindro Airbrush compressore 34201 doc it service wiltec de manuals 34 IT |||

Manuale di istruzioni Compressore per aerografo AS176**34201** Immagine a scopo rappresentativo, pu variare a seconda del modello Prima di mettere in funzione il dispositivo, leggere e seguire le istruzioni per l uso e le indicazioni di sicurezza. Con riserva di modifiche tecniche Come conseguenza del...

lang:it **score:39** filesize: 717.26 K page_count: 9 document date: 2022-10-10

Gebruikershandleiding

Airbrush compressor AS176
34201

XPO the tool
experts



Afgebeeld product kan per model enigszins afwijken

Vóór ingebruikname de handleiding en veiligheidsvoorschriften lezen en begrijpen!

Onder voorbehoud van technische aanpassingen!
Vanwege constante technische ontwikkelingen kunnen afbeeldingen, het diagrammen en technische gegevens enigszins afwijken.

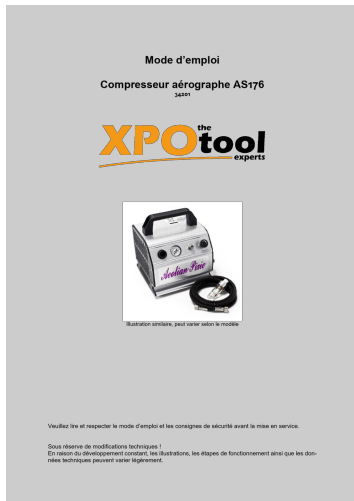
[\[pdf\]](#) Declaration of Conformity

Bedienungsanleitung Steffi Gebruikershandleiding voor Airbrush compressor AS176 compacte

airbrushcompressor 3 bar 1 cilinder Compressor Compact 34201 doc NL service wiltec de manuals 34 |||

Gebruikershandleiding Airbrush compressor AS176 **34201** Afgebeeld product kan per model enigszins afwijken Vr ingebruikname de handleiding en veiligheidsvoorschriften lezen en toepassen Onder voorbehoud van technische aanpassingen Vanwege constante technische ontwikkelingen kunnen afbeeldingen, het ...

lang:nl **score:36** filesize: 716.89 K page_count: 9 document date: 2022-10-10



[\[pdf\]](#) Declaration of Conformity

Bedienungsanleitung Steffi Mode d'emploi de l'article Compresseur Aérographe Airbrush AS176 compact portatif 3 bar Monocylindrique 34201 doc fr service wiltec manuals 34 FR |||

Mode d'emploi Compresseur arographe AS176 **34201** Illustration similaire, peut varier selon le modle Veuillez lire et respecter le mode d'emploi et les consignes de scurit avant la mise en service. Sous rserve de modifications techniques En raison du dveloppement constant, les illustrations, les tap...

lang:fr **score:36** filesize: 735.56 K page_count: 9 document date: 2022-10-10



[\[pdf\]](#) User Manual Diagram

Bedienungsanleitung Steffi Manual de instrucciones Compresor aerografía AS176 El compresor es adecuado entre otros para trabajos en los siguientes campos artesanía hobbies varios modelismo tatuaje y arte 6091017 cdn manomano files |||

Manual de instrucciones Compresor de aerografa AS176 **34201** Imagen similar, puede diferir segn el modelo Por favor, lea y respete las instrucciones de uso e indicaciones de seguridad antes de la puesta en marcha Reservado el derecho a modificaciones tcnicas Debido a continuos desarrollos, ilustracio...

lang:es **score:25** filesize: 931.08 K page_count: 9 document date: 2021-10-12



[\[pdf\]](#)

Bedienungsanleitung Steffi istruzioni Compressore per aerografo AS1763296803cdn manomano files 3296803 |||

Manuale di istruzioni Compressore per aerografo AS176 **34201** Immagine a scopo rappresentativo, pu variare a seconda del modello Prima di mettere in funzione il dispositivo, leggere e seguire le istruzioni per l'uso e le indicazioni di sicurezza. Con riserva di modifiche tecniche Come conseguenza d...

lang:it **score:18** filesize: 654.41 K page_count: 10 document date: 2021-07-23



[\[pdf\]](#) User Manual Diagram

Bedienungsanleitung Steffi Airbrush Kompressor AS1762571445cdn manomano files 2571445 |||

Bedienungsanleitung Airbrush-Kompressor AS176 **34201** Abbildung hnlich, kann je nach Modell abweichen Bitte lesen und beachten Sie vor der Inbetriebnahme die Bedienungsanleitung und Sicherheitshinweise Technische nderungen vorbehalten Durch stetige Weiterentwicklungen knnen Abbildungen, Funktionsschr...

lang:de **score:18** filesize: 655.47 K page_count: 9 document date: 2021-09-03