Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

WilTec 116AK

Wiltec Professional Dual Action Airbrush Kit 116AK User Manual

Model: 116AK | Brand: WilTec

Introduction

This manual provides essential information for the safe and effective use of your Wiltec Professional Dual Action Airbrush Kit Model 116AK. This airbrush is designed for versatile applications, including modeling, ceramics, textile art, tattooing, tanning, and makeup. It features a dual-action control for precise air and paint flow, and comes with interchangeable nozzles and paint cups to suit various project requirements.

Safety Warnings

Attention:

- When handling this product, wear appropriate protective clothing, including eye protection and gloves.
- Always work in a well-ventilated area to avoid inhaling paint fumes or chemical vapors.
- Avoid direct contact with pressurized liquids or chemicals.
- Never point the airbrush at yourself or other people.
- Ensure all system pressure is released before disassembling or performing any maintenance on the airbrush.
- Keep out of reach of children.

Package Contents

Your Wiltec Professional Dual Action Airbrush Kit 116AK includes the following components:

- Wiltec Dual Action Airbrush (Model 116AK)
- Nozzles: 0.2 mm, 0.3 mm, 0.5 mm
- Needles: 0.2 mm, 0.3 mm, 0.5 mm
- Paint Cups: 2 ml, 5 ml, 13 ml (two with lids)
- Flexible Textile Hose (1.8 m length, 2 x G⅛″ (9.51 mm) female thread)

- Adapter (G⅛″ (9.51 mm) female thread to ¼″ (12.91 mm))
- Connection Kit (for M5 male thread or quick connector for 4mm hose)
- Wrench for nozzle removal
- Storage Case



Image 1: The Wiltec Professional Dual Action Airbrush Kit 116AK, neatly arranged in its blue-lined storage case, showcasing the airbrush gun, multiple paint cups, nozzles, and the flexible air hose.

Setup Instructions

1. **Choose the Correct Nozzle and Needle:** Select the appropriate nozzle and needle size (0.2 mm, 0.3 mm, or 0.5 mm) based on your desired detail level and paint viscosity. Ensure the needle matches the nozzle.
2. **Assemble the Airbrush:** Carefully insert the chosen needle into the airbrush body from the rear. Screw on the nozzle cap and then the nozzle. Be gentle to avoid damaging the fine tip of the needle or the nozzle.
3. **Attach a Paint Cup:** Screw the desired paint cup (2 ml, 5 ml, or 13 ml) onto the top of the airbrush.

4. **Connect to Air Compressor:**
    - Connect one end of the flexible textile hose (G⅛″ female thread) to the airbrush's air inlet.
    - Connect the other end of the hose to your air compressor. If your compressor has a ¼″ connection, use the provided G⅛″ to ¼″ adapter. Alternatively, use the included connection kit for M5 male thread or a 4mm quick connector if applicable.
5. **Prepare Paint:** Dilute your paint to the recommended consistency for airbrushing. Test on a scrap surface before applying to your project.

Operating Instructions

The Wiltec 116AK features a dual-action trigger, allowing independent control of air and paint flow for precise results.

1. **Fill the Paint Cup:** Pour your prepared paint into the attached paint cup. Do not overfill.
2. **Activate Air Flow:** Press down on the trigger to release air. Always start the air flow before paint.
3. **Control Paint Flow:** While holding the trigger down for air, pull the trigger back to release paint. The further you pull back, the more paint will be released.
4. **Adjust Paint Quantity:** The adjustment screw at the end of the handle limits how far back the trigger can be pulled, allowing you to pre-set the maximum paint flow.
5. **Spraying Technique:** Maintain a consistent distance from your surface. Move your hand in smooth, even strokes. Release the paint (push trigger forward) before releasing the air (release trigger up) to prevent paint from drying in the nozzle.

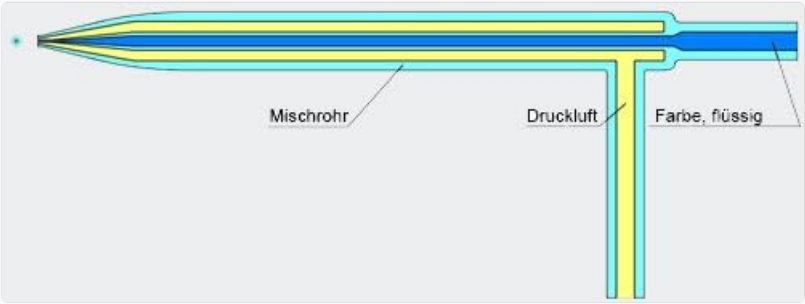


Image 2: A technical diagram showing the internal mechanism of an airbrush, illustrating the separate channels for 'Druckluft' (compressed air) and 'Farbe, flüssig' (liquid paint) converging at the 'Mischrohr' (mixing tube) before exiting the nozzle.

Maintenance and Cleaning

Proper cleaning after each use is crucial for the longevity and performance of your airbrush.

1. **Initial Rinse:** Empty any remaining paint from the cup. Add a small amount of appropriate cleaner (water for acrylics, solvent for enamels/lacquers) to the cup. Spray the cleaner through the airbrush until it runs clear.
2. **Back-flushing:** Place your finger over the nozzle cap and press down for air. This will force air back into the paint cup, bubbling the cleaner and helping to dislodge paint residue. Repeat several times.
3. **Disassembly for Thorough Cleaning:**
    - Unscrew the handle and carefully pull out the needle from the rear. Clean the needle with a soft cloth and cleaner.
    - Unscrew the nozzle cap and then the nozzle. Use the provided wrench if necessary. Soak the nozzle in cleaner.
    - Clean the paint cup and the airbrush body thoroughly with brushes and cleaner.

- Ensure all paint residue is removed from the nozzle, needle, and airbrush channels.

4. **Reassembly:** Once all parts are clean and dry, reassemble the airbrush in reverse order. Be careful not to overtighten components or bend the needle.
5. **Lubrication:** Apply a tiny drop of airbrush-specific lubricant to the needle packing and trigger mechanism periodically to ensure smooth operation.

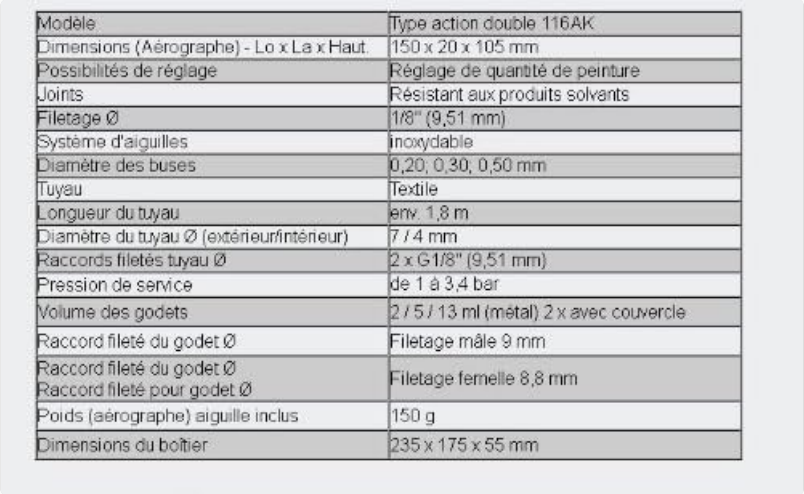
Troubleshooting Guide

Problem	Possible Cause	Solution
No paint flow	Clogged nozzle/needle, paint too thick, needle not pulled back	Clean nozzle/needle, thin paint, ensure trigger is pulled back
Uneven spray pattern / Splattering	Partially clogged nozzle, bent needle tip, incorrect air pressure	Thoroughly clean nozzle, inspect needle for damage, adjust air pressure
No air flow	Air hose disconnected, compressor off, air valve clogged	Check hose connections, turn on compressor, clean air valve
Paint leaks from nozzle	Loose nozzle, damaged nozzle, worn needle packing	Tighten nozzle, replace nozzle, replace needle packing

Product Specifications

Feature	Detail
Model	Type 116AK Dual Action
Dimensions (Airbrush) - L x W x H	150 x 20 x 105 mm
Adjustment Options	Paint quantity adjustment
Seals	Solvent-resistant
Thread Ø	G⅛″ (9.51 mm)
Needle System	Stainless steel
Nozzle Diameter	0.20 mm, 0.30 mm, 0.50 mm
Hose Type	Textile
Hose Length	Approx. 1.8 m
Hose Threaded Connections Ø	2 x G⅛″ (9.51 mm) female thread
Operating Pressure	1 to 3.4 bar
Cup Volume	2 ml, 5 ml, 13 ml (2x with lid)

Feature	Detail
Weight (Airbrush including needle)	150 g
Case Dimensions	235 x 175 x 55 mm
Material	Metal
Model Number	34156



Modèle	Type action double 116AK
Dimensions (Aérographe) - Lo x La x Haut.	150 x 20 x 105 mm
Possibilités de réglage	Réglage de quantité de peinture
Joints	Résistant aux produits solvants
Filetage Ø	1/8" (9,51 mm)
Système d'aiguilles	inoxydable
Diamètre des buses	0,20; 0,30; 0,50 mm
Tuyau	Textile
Longueur du tuyau	env. 1,8 m
Diamètre du tuyau Ø (extérieur/intérieur)	7 / 4 mm
Raccords filetés tuyau Ø	2 x G1/8" (9,51 mm)
Pression de service	de 1 à 3,4 bar
Volume des godets	2 / 5 / 13 ml (métal) 2 x avec couvercle
Raccord fileté du godet Ø	Filetage mâle 9 mm
Raccord fileté du godet Ø Raccord fileté pour godet Ø	Filetage femelle 8,8 mm
Poids (aérographe) aiguille inclus	150 g
Dimensions du boîtier	235 x 175 x 55 mm

Image 3: A detailed table outlining the technical specifications of the airbrush, including model type, dimensions, nozzle diameters, hose length, operating pressure, and cup volumes.

Warranty Information

This product is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official Wiltec website for detailed terms and conditions regarding warranty coverage and claims.

Customer Support

For technical assistance, spare parts, or any questions not covered in this manual, please contact Wiltec customer support. You can find contact information on the official Wiltec website or through your retailer.
Online Resources: For additional tips, tutorials, and product information, visit theWiltec Brand Store.

© 2023 Wiltec. All rights reserved. Information in this manual is subject to change without notice.

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

Open the live page

https://manuals.plus/asin/B00BQD2DC8

More documents and user manuals: **https://manuals.plus/**