

WilTec 34011

WilTec Airbrush Quick Coupling Instruction Manual

Model: 34011

INTRODUCTION

The WilTec Airbrush Quick Coupling is designed to provide a fast and convenient connection for airbrush guns to air hoses and compressors. This coupling allows for quick changes between different airbrush guns without the need to unscrew and re-screw connections, enhancing efficiency and ease of use in your airbrushing setup. It is compatible with airbrush guns, compressors, and air hoses featuring a G 1/8 inch thread.

PRODUCT OVERVIEW



Figure 1: Fully assembled WilTec Airbrush Quick Coupling. This image shows the complete quick coupling unit, featuring the male threaded end for hose connection and the quick-release mechanism for airbrush guns.



Figure 2: Separated components of the WilTec Airbrush Quick Coupling. This image illustrates the two main parts of the coupling: the main body with the hose thread and the detachable male plug that connects to the airbrush gun.

SETUP

- 1. Identify Components:** The quick coupling consists of two main parts: the female quick-release connector and the male plug. The female connector has a 1/8 inch male thread for connecting to your air hose or compressor. The male plug has a 1/8 inch male thread for connecting to your airbrush gun.
- 2. Connect to Air Hose/Compressor:** Screw the female quick-release connector onto the 1/8 inch internal thread of your air hose or directly onto your compressor's air outlet. Ensure a snug fit to prevent air leaks. Hand-tighten initially, then use a wrench if necessary, being careful not to overtighten.
- 3. Connect to Airbrush Gun:** Screw the male plug onto the 1/8 inch internal thread of your airbrush gun. Ensure it is securely fastened.
- 4. Assemble the Coupling:** Insert the male plug (attached to your airbrush gun) into the female quick-release connector (attached to your air hose/compressor). Push firmly until you hear a click, indicating a secure connection.

Note: For optimal sealing, especially if experiencing minor leaks, it is recommended to use PTFE (Teflon) tape on the

threads of the connections. Wrap the tape clockwise around the male threads before screwing them into place.

OPERATING INSTRUCTIONS

- **Connecting an Airbrush:** To connect an airbrush gun, simply push the male plug (attached to the airbrush) into the female quick-release connector until it locks into place. A distinct click will confirm the connection.
- **Disconnecting an Airbrush:** To disconnect, pull back the knurled collar on the female quick-release connector. While holding the collar back, pull the airbrush gun (with the male plug) straight out of the connector. This allows for quick and easy swapping of airbrush guns.
- **Air Flow Control:** The quick coupling itself does not control air flow. Air flow is managed by your compressor and airbrush gun's trigger mechanism.

MAINTENANCE

- **Cleaning:** Periodically wipe the exterior of the coupling with a clean, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials.
- **Lubrication:** If the quick-release mechanism becomes stiff, apply a very small amount of silicone-based lubricant to the moving parts. Do not use oil-based lubricants as they can degrade rubber seals.
- **Seal Inspection:** Regularly inspect the internal O-rings and seals for signs of wear, cracking, or damage. Worn seals can lead to air leaks. Replace them if necessary.
- **Storage:** Store the quick coupling in a clean, dry environment when not in use to prevent corrosion and damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Air Leakage	Loose connection; Worn O-rings/seals; Insufficient thread sealant.	Ensure all threaded connections are tight. Inspect and replace O-rings if damaged. Apply PTFE tape to threads.
Difficulty Connecting/Disconnecting	Mechanism is stiff or dirty; Misalignment.	Clean the mechanism and apply a small amount of silicone lubricant. Ensure the male plug is inserted straight into the female connector.
No Air Flow (after connection)	Coupling not fully engaged; Airbrush or compressor issue.	Ensure the coupling is fully clicked into place. Check airbrush and compressor for separate issues.

SPECIFICATIONS

- Model Number:** 34011
- Thread Size:** G 1/8 inch (compatible with 1/8 inch connections)
- Material:** Silver-colored metal (likely nickel-plated brass or similar)
- Product Dimensions:** 0.43 x 1.57 x 0.43 inches (approximately 1.1 x 4.0 x 1.1 cm)
- Item Weight:** 0.352 ounces (approximately 10 grams)
- Manufacturer:** WilTec

WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available documentation. For support, parts, or warranty inquiries, please contact WilTec customer service directly or refer to the retailer where the product was purchased.

Please retain your proof of purchase for any warranty claims.

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