

Iwata HP-C Plus

Iwata HP-C Plus Airbrush Replacement Fluid Needle User Manual

Model: HP-C Plus

1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and care of your Iwata HP-C Plus Airbrush Replacement Fluid Needle. This component is crucial for maintaining optimal performance of your airbrush, ensuring precise fluid flow and atomization.

The fluid needle is a precision-engineered stainless steel component designed to fit specific Iwata airbrush models. Its primary function is to regulate the amount of paint or fluid released through the nozzle, working in conjunction with the trigger mechanism.



Figure 1: The Iwata HP-C Plus Airbrush Replacement Fluid Needle. This image shows the slender, pointed metal needle, which is a critical component for controlling fluid flow in the airbrush.

2. COMPATIBILITY

This replacement fluid needle is specifically designed for use with the following Iwata airbrush models:

- Iwata HP-CH Airbrush
- Iwata HP-BC Airbrush
- Iwata HP-C Airbrush

Using this needle with incompatible models may result in improper fit, damage to the airbrush, or poor performance.

3. INSTALLATION

Proper installation of the fluid needle is essential for the correct function of your airbrush. Follow these steps carefully:

1. **Preparation:** Ensure your airbrush is clean and free of paint residue. Disconnect it from the air source.
2. **Disassembly:**
 - Unscrew and remove the needle cap and nozzle cap from the front of the airbrush.
 - Carefully remove the nozzle.
 - Loosen the needle chucking guide nut at the rear of the airbrush body.
3. **Needle Removal (if replacing):** Gently pull the old needle straight out from the rear of the airbrush. Avoid bending the tip.
4. **Needle Insertion:**
 - Carefully insert the new Iwata replacement fluid needle, pointed end first, into the rear of the airbrush body.
 - Push the needle forward until the tip protrudes slightly from the front of the airbrush body. Do not force it.
 - Ensure the needle is seated correctly within the trigger mechanism.
5. **Reassembly:**
 - Tighten the needle chucking guide nut at the rear of the airbrush to secure the needle. Do not overtighten.
 - Reinstall the nozzle, nozzle cap, and needle cap. Ensure all components are snug but not excessively tight.
6. **Testing:** Connect the airbrush to an air source and perform a test spray with water or airbrush cleaner to ensure proper fluid flow and no leaks.

Caution: The needle tip is extremely delicate. Handle with care to prevent bending or damage, which can severely affect spray patterns and airbrush performance.

4. OPERATION AND FUNCTION

The fluid needle works in conjunction with the airbrush trigger to control the amount of fluid released. When the trigger is pulled back, the needle retracts, allowing fluid to flow past the nozzle and mix with the air stream for atomization. Pushing the trigger forward advances the needle, reducing or stopping fluid flow.

A properly installed and undamaged needle ensures a smooth and consistent paint flow, which is critical for

achieving fine lines, smooth gradients, and overall precise airbrushing results.

5. MAINTENANCE

Regular maintenance of your fluid needle will prolong its life and ensure consistent airbrush performance.

- **Cleaning:** After each use, thoroughly clean the airbrush, paying special attention to the needle and nozzle area. Remove the needle and wipe it clean with a soft cloth dampened with appropriate airbrush cleaner.
- **Inspection:** Periodically inspect the needle tip for any signs of bending, burrs, or damage. Even minor damage can significantly impact spray quality.
- **Storage:** When not in use, store the airbrush with the needle retracted or removed and stored safely to prevent accidental damage to the delicate tip.
- **Lubrication:** Apply a small amount of airbrush-specific lubricant to the needle bearing and O-rings as recommended by your airbrush's main manual. Do not apply lubricant to the needle tip.

6. TROUBLESHOOTING

Issues related to the fluid needle often manifest as problems with fluid flow or spray pattern.

Problem	Possible Cause (Needle Related)	Solution
No fluid flow or intermittent flow	Bent needle tip; clogged needle; needle not fully retracted	Inspect needle tip for damage and replace if necessary. Clean needle thoroughly. Ensure needle chucking guide nut is not overtightened, preventing full retraction.
Splattering or inconsistent spray pattern	Damaged or bent needle tip	Carefully inspect the needle tip. If bent or burred, replace the needle.
Fluid leaks from front of airbrush	Needle not fully seated; damaged needle packing	Ensure needle is inserted completely and needle chucking guide nut is snug. Check needle packing for wear and replace if needed (refer to your airbrush's main manual).

For issues not resolved by these steps, consult your airbrush's main instruction manual or contact Iwata customer support.

7. SPECIFICATIONS

Feature	Detail
Product Name	Iwata HP-C Plus Airbrush Replacement Fluid Needle
Part Number	IWAI0753 (Fluid Needle C/BC)
Material	Stainless Steel
Length	5.5 inches (139.7 mm)
Weight	0.16 ounces
Manufacturer	Iwata

8. WARRANTY AND SUPPORT

This replacement fluid needle is manufactured by Iwata, a reputable brand known for quality airbrush components.

For specific warranty information regarding this part or your Iwata airbrush, please refer to the documentation included with your original airbrush purchase or visit the official Iwata website.


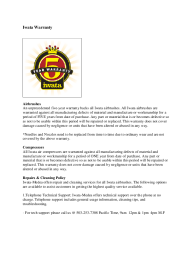
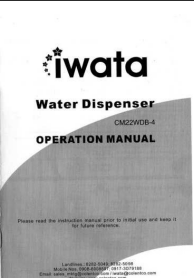


For technical assistance, replacement part inquiries, or any other support needs, please contact Iwata customer service directly. Contact information can typically be found on the Iwata website or in your airbrush's main manual.

Online Resources: [Visit the Iwata Store on Amazon](#)

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - HP-C Plus

	<p>Iwata Hi-Line Airbrush Series: HP-AH, HP-BH, HP-CH Operating Instruction Manual</p> <p>Comprehensive operating instructions, maintenance guide, and troubleshooting procedures for the Iwata Hi-Line Series airbrushes (models HP-AH, HP-BH, HP-CH). Covers assembly, general operation, cleaning, lubrication, parts identification, and warranty information.</p>
	<p>Iwata Airbrush and Compressor Warranty Information</p> <p>Detailed warranty terms for Iwata airbrushes (5-year) and compressors (1-year), including repair and cleaning policies, technical support contact, and claim procedures.</p>
	<p>Iwata CM22WDB-4 Water Dispenser Operation Manual</p> <p>This manual provides instructions for the safe operation, cleaning, and maintenance of the Iwata CM22WDB-4 Water Dispenser. It includes safety precautions, technical specifications, a product diagram, unpacking instructions, setup guide, troubleshooting tips, and cleaning procedures.</p>
	<p>Iwata COOLSTREAM CSI-501 Air Cooler: Instructional Manual & Specifications</p> <p>Comprehensive instructional manual for the Iwata COOLSTREAM CSI-501 multifunctional air cooler. Includes safety warnings, functions, components, installation, cleaning, maintenance, and technical specifications.</p>
	<p>Iwata PRO-BLEND MINI Personal Blender User Manual and Specifications</p> <p>User manual and product specifications for the Iwata PRO-BLEND MINI Personal Blender, including safety guidelines, operational instructions, and distributor contact information from Colent Marketing Philippines, Inc.</p>



HVLS JET FAN SERIES
HVLS JET FAN 6.5 | HVLS JET FAN 8.2

PLEASE READ THESE INSTRUCTIONS BEFORE USE!

[Iwata HVLS Jet Fan Installation and Operation Guide](#)

This guide provides detailed instructions for the installation, operation, and specifications of the Iwata HVLS Jet Fan Series, including models 6.5 and 8.2. It covers mounting, controller setup, extension tube installation, motor attachment, blade installation, safety checks, wiring diagrams, remote control functions, and product specifications.