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AZZUNO 100Amp Handheld MIG Welder Machine

Model: HANDHELD MIG-100



The AZZUNO 100Amp Handheld MIG Welder Machine is a portable flux-cored welding device, designed for ease of use and efficient welding tasks. It comes with essential accessories for immediate operation.

1. Setup Guide

1.1. Packing List

Verify all components are present in the package:

- AZZUNO Handheld MIG Welder ×1
- .030"/1lb Flux Core Wire ×1
- Contact Tip ×2
- .035" K Groove Drive Roller ×1
- Ground Clamp ×1
- Brush & Hammer ×1
- User Manual ×1

1.2. Wire Installation

Follow these steps to install the flux core welding wire:

1. Open the two latches on the wire compartment and swing the cover open sideways.
2. Install the welding wire spool onto the spindle, ensuring it sits correctly.
3. Thread the wire through the wire feed roller.
4. Tighten the nut to secure the wire spool and ensure proper tension.



This image illustrates the three-step process for installing the welding wire: opening the latches, placing the spool, and threading the wire through the feed roller.

1.3. Connecting Power and Ground

Ensure the welder is connected to a standard 110V power supply. Attach the ground clamp securely to the workpiece or a clean, bare metal surface that is part of the electrical circuit. A good ground connection is crucial for safe and effective welding.

2. Operating Instructions

2.1. Control Panel Overview

The welder features an intuitive control panel for adjusting welding parameters:

- **Voltage (V) Knob:** Adjusts the welding voltage.
- **Amperage (A) Knob:** Controls the welding current, which also influences wire feed speed.
- **Wire Selection Button (0.8/0.9):** Selects between .030" (0.8mm) and .035" (0.9mm) flux-cored wire sizes.
- **Power Switch:** Turns the unit on/off.



This image highlights the clear and user-friendly control panel, allowing for precise adjustments of welding parameters.

2.2. Welding Process

After setup, power on the welder. Select the appropriate wire size and adjust voltage and amperage based on the material thickness and desired weld characteristics. Always wear appropriate personal protective equipment (PPE), including a welding helmet, gloves, and protective clothing, before initiating welding.

2.3. Wire Compatibility

The welder supports both .030" (0.8mm) and .035" (0.9mm) flux-cored welding wire. Ensure the correct wire size is selected on the control panel to match the installed wire for optimal performance.

2.4. Operational Demonstration

Watch the official product video for a visual guide on wire installation and basic operation:

▶ **Watch video online**
AZZUNO handheld MIG-100F flux core welder

This video demonstrates the installation of the flux core wire and the basic operation of the AZZUNO handheld MIG welder, including adjusting settings and performing a weld.

3. Maintenance

Regular maintenance ensures the longevity and optimal performance of your welder:

- **Cleaning:** Regularly clean the welding gun, especially the contact tip and nozzle, to remove spatter and debris. Use the provided brush and hammer for this purpose.
- **Tip Replacement:** Replace worn or clogged contact tips promptly. The package includes spare tips.
- **Wire Feed System:** Periodically inspect the wire feed roller for wear and ensure it is free of obstructions.
- **Storage:** Store the welder in a dry, clean environment when not in use.

4. Troubleshooting

If you encounter issues, consider the following common troubleshooting steps:

- **No Arc:** Check power connections, ensure the ground clamp is securely attached to bare metal, and verify the contact tip is not clogged or worn.
- **Poor Wire Feed:** Inspect the wire spool for tangles, ensure the wire feed roller tension is correct, and check the contact tip for obstructions.
- **Overheat Protection:** If the welder stops operating and an indicator light suggests overheating, allow the unit to cool down. Ensure proper ventilation around the machine.
- **Inconsistent Weld:** Adjust voltage and amperage settings according to the material thickness. Ensure the workpiece is clean and free of rust or paint.

5. Specifications

Manufacturer	AZZUNO
Part Number	HANDHELD MIG-100
Item Weight	6.6 pounds

Package Dimensions	18.38 x 16 x 4.38 inches
Style	HANDHELD MIG-100
Power Supply	110V
Welding Current	Up to 100A
Wire Compatibility	.030" (0.8mm) and .035" (0.9mm) Flux-Cored Wire

6. Warranty and Support

For detailed warranty information and customer support, please refer to the official AZZUNO website or contact their customer service directly. The user manual included in your package also contains specific warranty terms and contact details.

You can also visit the AZZUNO brand store on Amazon for more products and support information:

Visit AZZUNO Store

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