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> AIKE Air Tank Hand Dryer AK2903 Instruction Manual

AIKE AK2903

AIKE Air Tank Hand Dryer AK2903 Instruction Manual

Model: AK2903 | Brand: AIKE

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AIKE Air Tank Heavy Duty Hand Dryer, Model AK2903. Designed for efficiency and hygiene, this hand dryer features a durable stainless steel construction, a HEPA filter for clean air, and automatic heating for optimal performance. Please read this manual thoroughly before installation and use to ensure safe and correct operation.

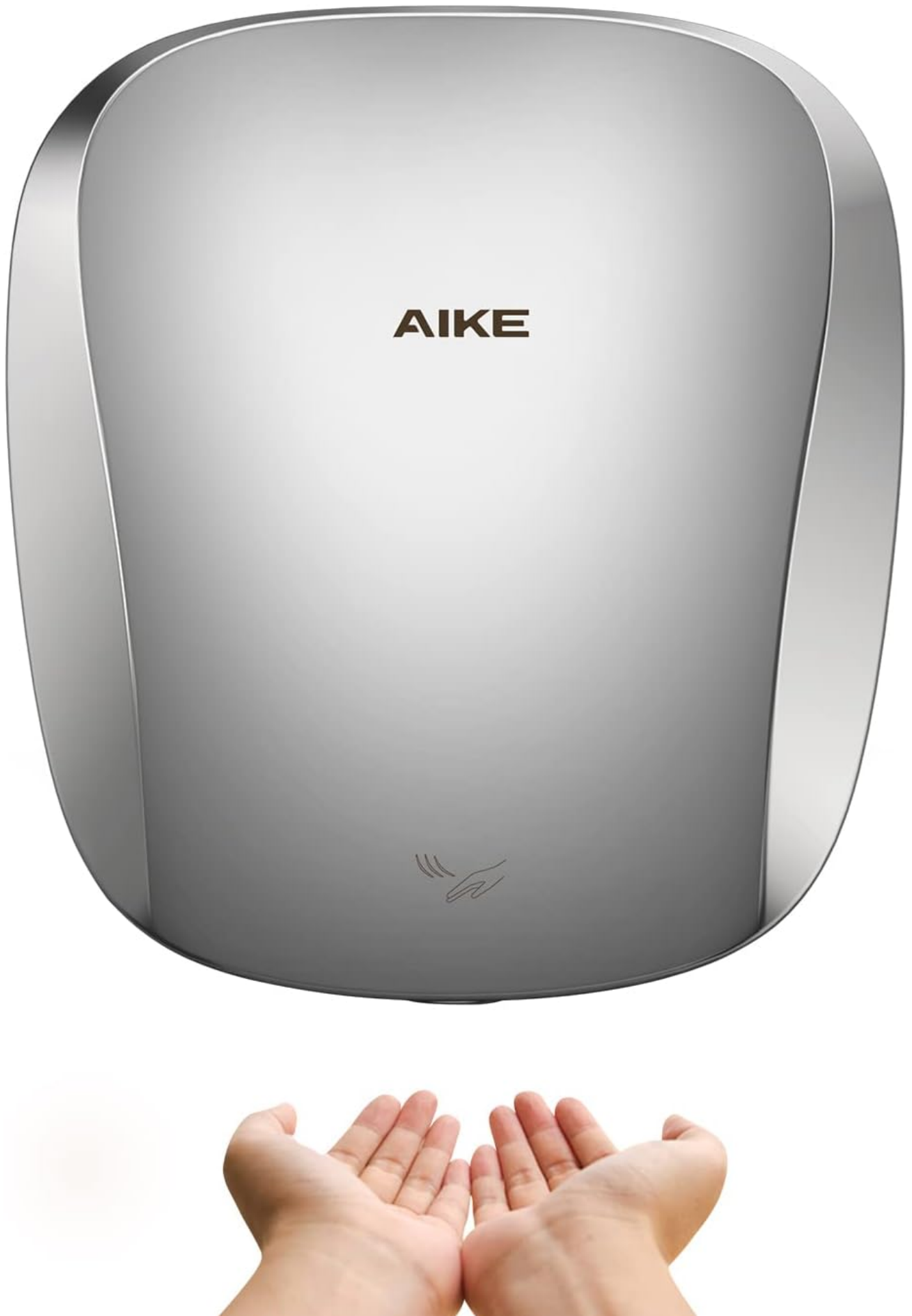


Figure 1.1: AIKE Air Tank Hand Dryer AK2903, Polished Stainless Steel Finish

2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent injury or damage to the product.

- Ensure the power supply matches the specifications listed on the product label.
- Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not operate the hand dryer with wet hands or if the unit appears damaged.
- Keep hands and foreign objects away from the air outlet during operation.
- Disconnect power before performing any maintenance or cleaning.

This product is **UL Approved**, meeting American safety standards for electrical products. It includes over-current and overheat protection, and a 45-second overtime protection feature for enhanced safety.



Figure 2.1: UL Approved Logo

3. PRODUCT FEATURES

3.1 Heavy Duty Construction

The AIKE Air Tank Hand Dryer is expertly crafted from durable stainless steel, ensuring long-lasting strength and resistance to corrosion. This robust design withstands extensive use and everyday wear and tear, making it suitable for high-traffic environments.

3.2 Automatic Heating

Equipped with a smart heating system, the dryer automatically activates its heating element when the ambient temperature falls below 25°C (77°F). Above this temperature, the heating element remains off, significantly reducing energy consumption by over 70% per dry cycle while still providing comfortable warm air when needed.

3.3 HEPA Filter

For enhanced hygiene, the hand dryer includes a built-in HEPA filter. This filter removes 99.97% of air particles, providing absolutely clean air for hand drying. Regular cleaning and replacement of the HEPA filter are recommended to maintain optimal air quality.



Figure 3.1: HEPA Filtration System

3.4 High-Speed Jet Airflow

The hand dryer delivers a powerful jet airflow, pressurized by a concentrated outlet, ensuring rapid and effective hand drying within 8-12 seconds.

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Video 3.1: AIKE AirTank Jet Hand Dryer - Model AK2903. This video demonstrates the high-speed jet airflow and quick drying capabilities of the hand dryer.

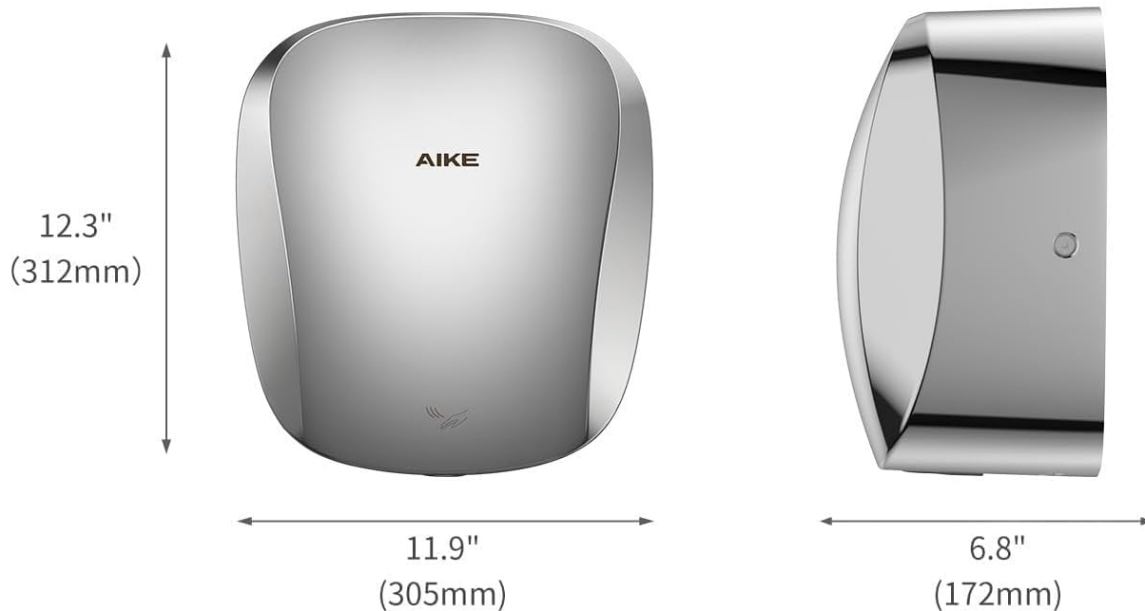
4. SPECIFICATIONS

Feature	Specification
Model Number	AK2903
Product Dimensions	12.28 x 11.89 x 6.77 inches (312 x 305 x 172 mm)

Item Weight	9.02 pounds (4.1 kg)
Voltage	120V
Input Power	1400W
Frequency	60Hz
Noise Level	70dB
Air Velocity	157 MPH (122.4 m ³ /h)
Power Cord Length	59 inches
Certification	UL Approved in USA and Canada

PARAMETERS

AK2903



Model	AK2903	Voltage	AC120V
Frequency	60HZ	Input	1450W
Noise Level	70dB	Air Velocity	157MPH(122.4m ³ /h)
Power Cord	59inches	Size	12.3"H X11.9"W X 6.8"D
Certification	ULApproved in USA and Canada		

Figure 4.1: Product Dimensions and Technical Specifications

5. SETUP & INSTALLATION

The AIKE Air Tank Hand Dryer offers two installation methods: direct plug-in or hardwiring. Choose the method that best

suits your electrical setup and local regulations. Professional installation is recommended for hardwiring.

5.1 Direct Plug-in Installation

1. Select a suitable wall location near a standard 120V electrical outlet.
2. Mount the backplate securely to the wall using appropriate fasteners.
3. Connect the hand dryer's power cord to the electrical outlet.
4. Attach the hand dryer unit to the mounted backplate.

5.2 Hardwiring Installation

1. Ensure power to the circuit is turned off at the main breaker.
2. Mount the backplate securely to the wall at the desired location.
3. Route the electrical wiring (Live, Neutral, Ground) from the wall to the designated terminal block inside the hand dryer unit.
4. Connect the wires to the corresponding terminals (L, N, ⊕) as indicated.
5. Secure the wiring and attach the hand dryer unit to the mounted backplate.



Hardwired friendly, easy to reach the connector

Figure 5.1: Hardwiring Connection Points

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Video 5.2: AIKE AK2903 Hand Dryer Installation. This video provides a visual guide for installing the hand dryer, including both plug-in and hardwiring options.

6. OPERATION

Operating the AIKE Air Tank Hand Dryer is simple and touch-free:

1. Ensure the hand dryer is properly installed and connected to a power source.
2. Place your hands under the air outlet. The infrared sensor will detect your hands and automatically activate the airflow.
3. Move your hands gently back and forth under the airflow for optimal drying.
4. The dryer will automatically stop once your hands are removed from the sensor's range.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your hand dryer.

7.1 Cleaning the Exterior

- Disconnect power before cleaning.
- Wipe the stainless steel surface with a soft, damp cloth and a mild, non-abrasive cleaner.
- Do not use harsh chemicals or abrasive materials, as these can damage the finish.
- Dry thoroughly with a clean, soft cloth.

7.2 HEPA Filter Maintenance

- The HEPA filter should be inspected regularly and cleaned or replaced as needed.
- To access the filter, refer to the installation section for opening the unit.
- Gently remove the filter and clean it according to manufacturer guidelines (e.g., vacuuming). If heavily soiled or damaged, replace it with a genuine AIKE replacement filter.
- Ensure the filter is correctly reinstalled before closing the unit and restoring power.

8. TROUBLESHOOTING

If you encounter issues with your AIKE Air Tank Hand Dryer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Dryer does not turn on	No power supply; circuit breaker tripped; loose wiring.	Check power connection, reset circuit breaker, ensure wiring is secure (professional assistance recommended).
Airflow is weak	Clogged air intake; dirty HEPA filter.	Clean air intake vents, clean or replace HEPA filter.
Sensor not detecting hands	Obstruction near sensor; dirty sensor lens; hands too far.	Clear any obstructions, clean sensor lens, ensure hands are within detection range.

Dryer runs continuously	Sensor malfunction; obstruction in sensor path.	Remove any obstructions, clean sensor lens. If problem persists, contact support.
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If these steps do not resolve the issue, please contact AIKE customer support for further assistance.

9. WARRANTY & SUPPORT

AIKE offers a **2-Year Worry-Free Replacement Guarantee** for the AK2903 Hand Dryer. This warranty covers non-human damage and ensures that AIKE will send you new parts for free and provide custom service if any issues arise within the warranty period.

For warranty claims, technical support, or any product-related inquiries, please contact AIKE customer service through the official AIKE website or your point of purchase. Please have your model number (AK2903) and purchase date available when contacting support.