

**Excel Dryer ThinAir**® **Series Hand Dryers  
Guide Specification**

(Short Form Version)

The **ThinAir Hand Dryer** high-efficiency hand dryer model is surface-mounted and ADA-compliant. It dries hands in 14 seconds using 950 watts or less, with a slimmer profile to meet ADA compliance standards while surface mounted. Excel manufactures the only MADE IN USA Certified® hand dryers that are now fully equipped with new enhanced standard features including:

- Adjustable speed and sound control

- Adjustable heat settings

- Multi-voltage options

- Externally visible LED maintenance light

The Thin Air Hand Dryer is now backed up by Environmental Product Declaration (EPDs) and Health Product Declarations (HPDs), an industry first for meeting LEED v4 Building Product Disclosure and Optimization credit requirements.

Excel Dryer participates in compliance testing under the UL Environment Product Category Rule (PCR) for Hand Dryers. This internationally recognized set of rules, requirements and guidelines tests and reports on a product's impact on the environment, establishing an objective standard by which to evaluate drying times vs. energy used.

Excel Dryer’s expanded product line features the most options and complete line of accessories, featuring speed and sound controls, HEPA filtration and custom covers, to design the best hand drying solution for any restroom environment.

For additional information, contact: Excel Dryer, Inc., East Longmeadow, MA 01028; (413) 525-4531; [sales@exceldryer.com](mailto:sales@exceldryer.com); [www.exceldryer.com](http://www.exceldryer.com).

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SECTION 10 28 13.13

WARM AIR HAND DRYERS

1. GENERAL
   * + 1. SECTION INCLUDES
          1. High-efficiency surface mounted ADA-compliant hand dryer.
       2. ACTION SUBMITTALS
          1. Product Data: Manufacturer's data sheet.

Specifier: Retain subparagraph below if retaining option for HEPA filter in Part 2.

Include Viral Filtration Efficiency test data from qualified independent testing agency.

Specifier: Retain paragraphs below when Project requirements include compliance with Federal Buy American provisions.

* + - * 1. Manufacturer Certificate: Indicate compliance with Buy American Act.

Specifier: Retain Paragraph below for general project sustainable design requirements as defined in applicable Division 01 section. Documentation in Paragraph B supports LEED v4 BPDO credits.

* + - * 1. Sustainable Design Submittals:

Environmental Product Declaration (EPD).

Health Product Declaration (HPD).

* + - 1. QUALITY ASSURANCE

Specifier: Retain paragraph below and edit as appropriate for Federal projects and for public works projects utilizing Federal funds; consult with project Contracting Officer. Coordinate with Submittals Article.

* + - * 1. Buy American Compliance: Materials provided under work of this Section shall comply with the following requirements:

Buy American Act of 1933 BAA-41 U.S.C §§ 10a – 10d.

Buy American provisions of Section 1605 of the American Recovery and Reinvestment Act of 2009 (ARRA).

* + - 1. WARRANTY
         1. Special Manufacturer’s Warranty: Provide manufacturer's standard form in which manufacturer agrees to repair or replace products that fail in materials or workmanship within the following period:

Warranty Period: 7 years following date of substantial completion.

1. PRODUCTS
   * + 1. MANUFACTURERS
          1. Basis of Design: Provide listed products of Excel Dryer, Inc., East Longmeadow, MA 01028; (413) 525-4531; sales@exceldryer.com; [www.exceldryer.com](http://www.exceldryer.com).
          2. Source Limitations: Obtain warm air dryers from a single source from single manufacturer.
       2. PERFORMANCE REQUIREMENTS

Specifier: Excel Dryer participates in compliance testing under the UL Environment Product Category Rule (PCR) for Hand Dryers. This internationally recognized set of rules, requirements and guidelines tests and reports on a product's impact on the environment, establishing an objective standard by which to evaluate drying times vs. energy used.

* + - * 1. UL Product Category Rule (PCR) Testing:

Dry Time: Not greater than 14 seconds.

Energy per Use: Not greater than 3.7 W-h (13.3 J).

Specifier: Retain "Viral Filtration Efficiency" Paragraph below if retaining option for HEPA filter.

* + - * 1. Viral Filtration Efficiency (VRE): Provide hand dryer systems meeting the following VRE when tested according to ASTM F2100 and ASTM F2101 as adapted:

VRE not less than 99.999 percent removal.

* + - * 1. Electrical Components: Listed and labeled per NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.

Specifier: CE or CSA certifications for export applications may apply for non-US applications.

* + - * 1. Certification: Products certified by Underwriters Laboratory, Inc. and tested to PCR Guidelines, with UL and ULC labels.
        2. Accessibility Requirements: Comply with requirements of ADA/ABA and accessibility requirements of authorities having jurisdiction.

Comply with ICC/ANSI A117.1.

Specifier: ThinAir Hand Dryer HPD applies to units with stainless steel and ABS covers. Delete below if other hand dryer finishes are required for Project.

* + - * 1. Environmental and Health Disclosure: Building products used in this section will be required to disclose their environmental and health impacts by providing the following sources of information.

Environmental Product Declaration (EPD), ISO 14025-compliant, verified and certified by independent agency.

Health Product Declaration (HPD): LEED v4.1 compliant, demonstrating the chemical inventory of the product to at least 0.1 percent (1000 ppm).

* + - 1. High Efficiency Surface Mounted ADA Compliant Hand Dryer (Heated)
         1. Basis of Design: Excel Dryer, Inc., [ThinAir Hand Dryer](https://www.exceldryer.com/product/thinair-hand-dryer/).

Specifier: Retain option below for optional filter systems for Excel ThinAir.

* + - * 1. Electric Hand Dryer: High speed energy efficient, rapid drying unit with automatic sensor, ADA surface-mount compliant [with HEPA filtration system].

Cover material and color: [Brushed stainless steel] [White ABS] [As selected by Architect from manufacturer's full range materials and colors].

Mounting: Surface mounting.

Unit Dimensions: Manufacturer's standard dimensions not exceeding 4 inches (102 mm) deep.

Controls: Adjustable, automatic, activated by sensor.

Electrical Power Requirements: Field-adjustable for the following:

110 - 120 Volts, 7 - 7.8 Amps, 50/60 Hz, 750 - 920 Watts.

208 - 240 Volts, 3.8 - 4.1 Amps, 50/60 Hz, 750 - 950 Watts

208 - 277 Volts, 3.8 - 4.1 Amps, 50/60 Hz, 750 - 950 Watts

230 Volts, 4 Amps, 50 Hz, 920 Watts

Safety Features: Vandal resistant element; air restriction thermostatic safeguard.

Sound Level: Adjustable 66 to 74 dB.

* + - 1. accessories

Specifier: Retain optional accessories specified for Project.

* + - * 1. Anti-Microbial Wall Guards: [Stainless steel] [White polymer] [Black polymer].

1. EXECUTION
   * + 1. INSTALLATION

Specifier: Consult manufacturer's recommended mounting heights for both hand and hair dryers. Refer to Drawings for final locations and heights. Verify requirements of authorities having jurisdiction for accessible units.

* + - * 1. Install warm air dryers in locations and heights indicated on Drawings, in accordance with manufacturer's written instructions, using manufacturer's recommended fasteners. Install units level, plumb, and firmly anchored in locations and at heights indicated. Connect to electrical power.
        2. Wall Guards: Install level, plumb, and adhered securely to wall surface.
      1. ADJUSTMENT
         1. Adjust variable speed dryers as directed. Instruct Owner's personnel in operations to adjust variable speed dryers and to respond to unit error codes.

END OF SECTION