



OVER 60 YEARS OF INNOVATION



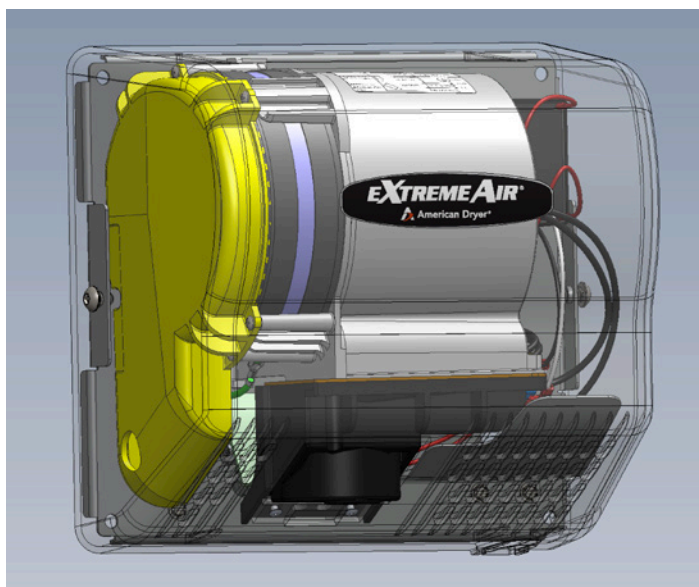


## AMERICAN DRYER'S GUIDING PHILOSOPHY RESULTS IN HIGH QUALITY DRYERS, MEANINGFUL INNOVATION AND EXCEPTIONAL SERVICE

Since 1952, American Dryer has been a leading manufacturer of hand dryers. Our guiding philosophy has led to the development of many industry innovations, capped by the new **EXTREMEAIR** hand dryer with patented Cold Plasma Clean® technology.

These are the principles that guide us:

- American Dryer, in serving the needs of all our customers and users, offers a full line of hand and hair dryers for every application and user preference.
- We are committed to American manufacturing, so our complete line of quality hand dryers is assembled in the USA and backed by the industry's premier same-day factory service.
- We listen to experts, including architects, engineers and designers, who prefer American Dryer's compact dryer design to the bulkier models.



### Quality & Service

Quality is assured through every step of the process, from design to selection of quality materials to 100% final testing of each dryer before it ships. Nothing is more important to us.

We stand behind all of our products with the industry's premier same-day factory service and same-day shipping. When you call us, you will talk to a trained hand dryer expert - no voicemail, no automated phone systems - just great support when you need it.



**RoHS**



EPA  
Establishment  
Number  
0901022-MI-001

ASSEMBLED IN  
**USA**  
EST. 1952

# EXTREMEAIR®

## INNOVATION IN HIGH-SPEED HAND DRYING

### The EXTREMEAIR Hand Dryers

American Dryer was the first to introduce the compact, high-speed hand dryer. Our EXTREMEAIR dries hands in 10-15 seconds depending on the model, uses 80-90% less energy versus conventional hand dryers (see chart page 11), and provides up to 98% cost savings versus paper towels (see chart page 4). Today we continue to innovate. Our current version of the EXTREMEAIR is the result of our ongoing commitment to building the very best hand dryer in the industry.

Our series of high speed hand dryers consists of the EXTREMEAIR cPc which features our exclusive high performance cold plasma generator. The generator is 100% maintenance free, uses no chemicals and doesn't create harmful levels of ozone. The series also includes the EXTREMEAIR Original and the EXTREMEAIR ECO with no heat technology. All of our EXTREMEAIR models come with the following standard features.

### STANDARD FEATURES:

#### Adjustable Sound & Speed

Innovative technology allows the hand dryer to be adjusted to your preference – providing the perfect balance of speed, energy efficiency and sound. It's ideal for sports stadiums, schools or a quiet library.

#### Universal Voltage

Universal voltage makes life easy. The EXTREMEAIR models can be connected to any voltage from 100-240 VAC, making it easy to order and easy to install.

#### Compact Design

The EXTREMEAIR is the most compact hand dryer in the industry. It's 43% smaller than old "industry standard" high-speed hand dryers.

#### Vandal Resistant

Two tamper-resistant screws secure the heavy-duty, vandal-resistant cover to the steel base. Motor, heater and electronics are inaccessible to vandals. Air intake is shielded for additional safety. Virtually indestructible one-piece fixed nozzle.

#### 5-Year Premium Warranty

Includes same-day factory repair or shipment of replacement parts. See owner's manual for details.



#### Smart Sensor

Ultra energy-efficient, microprocessor-controlled sensor turns dryer on when hands are under the outlet for up to 35 seconds. Standby power is less than one watt. Features RoHS compliant lead-free design.

#### Ultra Life High Performance Motor

Motor lasts longer and is quieter. The 5/8 HP motor is adjustable from 24,000 to 14,000 RPM and includes an automatic resetting thermal protector.

#### Heavy-Duty, One-Piece Cover Options

- Flame-retardant white ABS
- Steel with white epoxy finish (M)
- Steel with black graphite epoxy finish (BG)
- Steel with satin chrome finish (C)
- Stainless steel with #4 brush finish (SS)

# COST SAVINGS

## THE **EXTREMEAIR**<sup>®</sup> CAN DRY UP TO 100 PAIRS OF HANDS FOR THE COST OF ONE PAPER TOWEL

### Cost Savings

American Dryer's complete line of hand dryers saves customers up to 98% of paper towel costs, providing a return on investment within months, all while protecting the environment.

Our patented **EXTREMEAIR** series with adjustable sound and speed is one of the most energy-efficient, high-speed hand dryers available. What's more, it provides the perfect balance of sound and performance for your application.

### Maintenance Free

American Dryer's full line of virtually maintenance-free hand dryers saves customers valuable time. Our dryers are ready 24/7, with no daily maintenance requirements.

Our hand dryers also save you time by eliminating other maintenance such as replenishing supplies of paper towels, emptying overflowing trash cans or fixing clogged toilets.

### Durability

Our hand dryers are designed to provide years of trouble-free service in the harshest of commercial applications, including sports stadiums, high schools, parks, and factories. The vandal-resistant design makes the electronics inaccessible to unauthorized users. All finishes are durable and easy to clean. Our covers are strong enough to park a truck on them.



#### Cost per 1,000 hand dryings

<b>EXT SERIES</b>	\$0.18
<b>CPC SERIES</b>	\$0.42
<b>GXT SERIES</b>	\$0.42
<b>PAPER TOWEL</b>	<b>\$23.44</b>

#### Cost Analysis for a University

Paper Towel Usage	3,850 Cases
Total Paper Costs	\$288,750
Hand Dryer Operating Costs	\$3,080
<b>ANNUAL SAVINGS</b>	<b>\$285,668 (98.9%)</b>
Payback Time	3 Months

#### Cost Analysis for a Sports Arena

Paper Towel Usage	800 Cases
Total Paper Costs	\$60,000
Hand Dryer Operating Costs	\$533
<b>ANNUAL SAVINGS</b>	<b>\$59,467 (99.1%)</b>
Payback Time	5 Months



# EXTREMEAIR® HAND DRYER SERIES



White ABS



Steel White Epoxy



Steel Black Graphite



Steel Satin Chrome



Stainless Steel

## COMPACT • HIGH SPEED • ENERGY EFFICIENT

### COLD PLASMA CLEAN®

Exclusive Cold Plasma Clean® technology:

- Maintenance free
- No chemicals

### Featuring Exclusive Cold Plasma Clean® technology

#### CPC SPECIFICATIONS

Dry Time	10 + Seconds (Adjustable)
Air Velocity	19,000-10,000 LFM (Linear Feet per Min.)
Sound Level	83 - 69 dB
Air Temperature	135° F at 72° F room temperature
Universal Voltage	100-240 V, 50/60Hz
Power	12.5 A max. @ 120 V, 6.5 A max. @ 240 V 1500 - 800 W adjustable

#### CPC MODEL REFERENCE CHART

White ABS	CPC9
Steel White Epoxy	CPC9-M
Steel Black Graphite	CPC9-BG
Steel Satin Chrome	CPC9-C
Stainless Steel	CPC9-SS
Dimensions: 10-1/8" W x 9-3/8" H x 5-5/8" D	

### THE ORIGINAL

The original and still the best:

- Adjustable Sound & Speed
- Universal Voltage
- Sleek, compact design

### The original high-speed, compact, energy-efficient hand dryer

#### GXT SPECIFICATIONS

Dry Time	10 + Seconds (Adjustable)
Air Velocity	19,000-10,000 LFM (Linear Feet per Min.)
Sound Level	83 - 69 dB
Air Temperature	135° F at 72° F room temperature
Universal Voltage	100-240 V, 50/60Hz
Power	12.5 A max. @ 120 V, 6.5 A max. @ 240 V 1500 - 800 W adjustable

#### GXT MODEL REFERENCE CHART

White ABS	GXT9
Steel White Epoxy	GXT9-M
Steel Black Graphite	GXT9-BG
Steel Satin Chrome	GXT9-C
Stainless Steel	GXT9-SS
Dimensions: 10-1/8" W x 9-3/8" H x 5-5/8" D	



Eco no-heat technology:

- Significant energy savings
- Multiple units on one line
- Reduced installation costs
- Standby power of less than 1 watt

### One of the most energy-efficient, eco-friendly hand dryers ever

#### EXT SPECIFICATIONS

Dry Time	12 + Seconds (Adjustable)
Air Velocity	19,000-10,000 LFM (Linear Feet per Min.)
Sound Level	83 - 69 dB
Air Temperature	85° F at 72° F room temperature
Universal Voltage	100-240 V, 50/60Hz
Power	4.5 A max. @ 120 V, 2.3 A max. @ 240 V 500 - 300 W adjustable

#### EXT MODEL REFERENCE CHART

White ABS	EXT7
Steel White Epoxy	EXT7-M
Steel Black Graphite	EXT7-BG
Steel Satin Chrome	EXT7-C
Stainless Steel	EXT7-SS
Dimensions: 10-1/8" W x 9-3/8" H x 5-5/8" D	

# ADVANTAGE™ AD HAND & HAIR DRYER SERIES



White ABS



Steel White Epoxy



Steel Black Graphite



Steel Satin Chrome



Stainless Steel

**DRIES IN 25 SECONDS • QUIET OPERATION**  
**UNIVERSAL VOLTAGE • 5-YEAR WARRANTY**

THE **ADVANTAGE™** SERIES IS THE PERFECT REPLACEMENT  
 FOR THE TRADITIONAL HAND & HAIR DRYER  
 WITH MORE POWER & FEATURES IN A COMPACT DESIGN

**Universal Voltage:** The **ADVANTAGE AD** series can be connected to any voltage from 100-240 volts, 50/60Hz. The dryer configures itself to your voltage, making installation easier.

#### Heavy-Duty, One-Piece Cover Options:

- Flame-retardant white ABS
- Steel with white epoxy finish (M)
- Steel with black graphite epoxy finish (BG)
- Steel with satin chrome finish (C)
- Stainless steel with #4 brush finish (SS)

**Vandal Resistant:** Tamper-resistant screws secure cover to base. Air intake vents are shielded for additional safety.

**Motor:** Heavy-duty universal motor. 1/8 HP, 4,800 RPM. Automatic thermal protector.

**Smart Sensor:** Ultra energy-efficient, microprocessor-controlled sensor turns dryer on when hands are under the outlet for up to 35 seconds. Standby power is only one watt. Features RoHS compliant lead-free design.

**Hair Drying Option (H):** When the automatic sensor is activated, the dryer will stay on for an 80-second cycle to dry hair. The fixed nozzle is angled away from the wall for comfortable hair drying.

**Heating Element:** Constructed of NiChrome resistance wire with thermal protector. Heating element operates in the black range for maximum life.

**5-year Limited Warranty:** Includes same-day factory repair or part replacement. See owner's manual for details.

#### ADVANTAGE SPECIFICATIONS

Dry Time	25 Seconds
Air Flow	180 CFM (Cubic Feet per Min.)
Air Velocity	7,300 LFM (Linear Feet per Min.)
Sound Level	67 dB (Quietest in its class)
Air Temperature	120° F at 72° F room temperature
Universal Voltage	100-240 V, 50/60Hz
Power	120 V @ 12.5 A max. 1400W 240 V @ 6.5 A max. 1250W
Dimensions Surface	10-1/8" W x 9-3/8" H x 5-5/8" D

#### ADVANTAGE MODEL REFERENCE CHART

White ABS	AD90
Steel White Epoxy	AD90-M
Steel Black Graphite	AD90-BG
Steel Satin Chrome	AD90-C
Stainless Steel	AD90-SS

Hair drying with 80-second cycle add (H) after model number.

**For ADA Wall Guard,  
 ADA Recess Kit  
 and Adapter Plate,  
 see page 9.**

## GLOBAL® GX HAND DRYER SERIES



White ABS



Steel White Epoxy



Steel Satin Chrome

### ECONOMY MODEL • 2-YEAR WARRANTY

THE **GLOBAL®** SERIES PROVIDES A QUIET AND COMPACT DESIGN TO FIT ANY BUDGET

#### Heavy-Duty, One-Piece Cover Options:

- Flame-retardant white ABS
- Steel with white epoxy finish (M)
- Steel with satin chrome finish (C)

**Vandal Resistant:** Tamper-resistant screws secure cover to base. Air intake vents are shielded for additional safety.

**Motor:** Permanently lubricated, maintenance-free, brushless induction motor with automatic resetting thermal protector. 1/12 HP, 3100 RPM.

**Automatic Sensor:** Energy-efficient, microprocessor-controlled sensor turns dryer on when hands are under the outlet for up to 60 seconds. Standby power is only one watt. Features RoHS compliant lead-free design.

**Heating Element:** Constructed of NiChrome resistance wire with thermal protector. Heating element operates in the black range for maximum life.

**2-year Limited Warranty:** Includes same-day factory repair or part replacement. See owner's manual for details.

#### GLOBAL SPECIFICATIONS

Dry Time	40 Seconds
Air Flow	120 CFM (Cubic Feet per Min.)
Air Velocity	4,000 LFM (Linear Feet per Min.)
Sound Level	63 dB (Quietest in its class)
Air Temperature	120° F at 72° F room temperature
Power	110-120 V, 50/60Hz, 12A, 1500W
Dimensions Surface	10-1/8" W x 9-3/8" H x 5-5/8" D

#### GLOBAL MODEL REFERENCE CHART

White ABS	GX1
Steel White Epoxy	GX1-M
Steel Satin Chrome	GX1-C

**For ADA Wall Guard,  
ADA Recess Kit  
and Adapter Plate,  
see page 9.**

# INSTALLATION



## Dryer Placement

Dryers should be placed at least 2 feet apart and at least 12" from washbasin. Do not install dryer over washbasin. Automatic dryers should be at least 18" above any projection which may interfere with the operation of the automatic sensor. In congested areas, dryers should be located to create a flow from the washbasin to the dryer and to the exit. Recommended mounting heights are shown in the table above.

RECOMMENDED MOUNTING HEIGHTS  
FROM BOTTOM OF DRYER TO FINISHED FLOOR

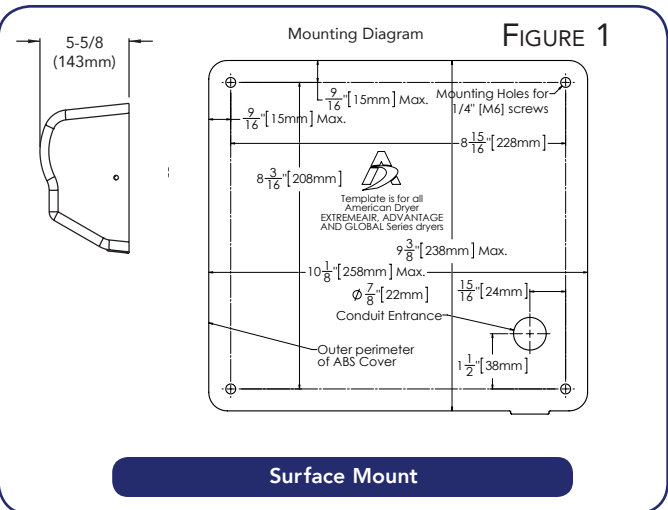
	Men	Women	Children	Disabled
All Hand Dryers	44"	42"	32" - 42"	36"
Advantage Hair Dryer	74"	68"	48" - 68"	48"

## Dryer Installation

Dryers must be installed by a licensed electrician. A single-phase dedicated 15 amp or 20 amp electrical line is required. (The **EXT** series does not require a dedicated line.) Dryers must be properly grounded. One side of dryer should be mounted to a stud. All surface mount dryers are provided with conduit entrances for both in-wall and surface wiring. For indoor use only.

## Quantity Estimate, Hand Dryer

- Average traffic washroom: 1 dryer per 2 washbasins
- Heavy traffic washroom: 1 dryer per washbasin
- 54" wash fountain: 4 dryers per sink





# ACCESSORIES

ACCESSORIES ENHANCE ALL **EXTREMEAIR®**, **ADVANTAGE™**  
AND **GLOBAL®** SERIES HAND DRYERS



## Industry-First ADA Wall Guard

*No need to cut a hole in the wall to achieve ADA compliance.*

Dramatically reducing moisture on walls and floors, our new patented Wall Guard is ADA compliant, achieving the four-inch-or-less unit protrusion guidelines without the need to recess the accompanying dryer into the wall. This eliminates the need to cut holes and reframe restroom walls, which is especially valuable for cinderblock, masonry or other difficult-to-modify surfaces.

Wall Guard is designed to sit below the dryer and is easily installed using just the four screws provided. It achieves ADA compliance and provides safety for users living with disabilities because its curved lower edge assures that the “leading edge” of the dryer-with-wall-guard unit is 26” or less from the finished floor, a distance that meets ADA standards to protect people using wheelchairs or walking aids.

Wall Guard features elegant, seamless one-piece stainless steel construction.

Part # ADA-WG\*

\*Not for use with hair dryers.

## ADA Recess Kit

The all-new **Recess Kit** reduces the protrusion of the dryer to less than four inches from the wall to meet ADA requirements when the dryer is installed in a hallway or narrow passage. The Recess Kit features seamless one-piece stainless steel construction and is easy to install.

Part # ADA-RK\*

\*Not for use with hair dryers.



## Adapter Plate

The **Adapter Plate** is a 16” W x 14” H stainless steel plate that covers mounting holes when replacing old hand dryers and paper towel dispensers.

Part # AP



# COST SAVINGS WORKSHEET

## PAPER TOWEL COSTS

1. Number of Cases of Paper Towels Used Annually \_\_\_\_\_
2. Cost Per Case of Paper Towels  
(Include Freight & Sales Tax) \_\_\_\_\_ (Typically \$50 to \$60 per case)
3. Total Paper Towel Cost Per Year  
(Item 1 multiplied by Item 2) \_\_\_\_\_
4. Handling and Disposal Cost of Paper Towels  
(Multiply Item 3 by 0.5)  
Industry standard factor of 50% to account for the cost of procurement, storage, servicing of dispensers, collection and disposal of paper towels) \_\_\_\_\_
5. **TOTAL COST OF PAPER TOWELS PER YEAR** (Item 3 plus Item 4) \$

## HAND DRYER COSTS

6. Number of Paper Towels Used Annually  
(Item 1 multiplied by the number of sheets per case) \_\_\_\_\_ (C-fold = 2,400/case  
Multi-fold = 4,000/case  
Roll towels = 4,800/case)
7. Number of Hand Drying Per Year  
(Item 6 divided by 2.5 towels per dry) \_\_\_\_\_
8. Hours of Hand Dryer Usage  
(**EXTREMEAIR** - Item 7 divided by 360 dries/hour  
**ADVANTAGE** - Item 7 divided by 144 dries/hour  
**GLOBAL** - Item 7 divided by 90 dries/hour) \_\_\_\_\_
9. Cost of Electricity Per Hour of Hand Drying  
(EXT dryers - 0.54 multiplied by your KWH rate  
Other dryers - 1.5 multiplied by your KWH rate) \_\_\_\_\_ (Typically KWH rate is \$0.10/KWH)
10. Annual Hand Dryer Operating Costs  
(Item 8 multiplied by Item 9) \_\_\_\_\_
11. **YOUR ANNUAL SAVINGS** (Item 5 minus Item 10) \$
- COMPUTE YOUR % SAVINGS** (Item 11 divided by Item 5)  %

## YOUR PAYBACK TIME

12. Total Cost of Hand Dryers Including Installation  
(Installation is typically \$75 to \$150 per dryer) \_\_\_\_\_
13. **PAYBACK TIME IN MONTHS**  
(Item 12 divided by Item 11 multiplied by 12 months) months

Estimate number of hand dryers required:

- One hand dryer for every two wash basins in most applications
- One hand dryer for every wash basin in heavy traffic applications
- Four hand dryers for every 54" round wash station

# GREEN GUIDE

## Energy Reduction

Our family of **EXTREMEAIR** hand dryers help to minimize your carbon footprint by reducing energy. The **EXTREMEAIR EXT** series is the first high-speed hand dryer to reduce power consumption to an industry-leading 500 - 300 watts of electricity - that's up to 3X less energy than other "green" hand dryers.



### Energy Per Use

<b>EXT SERIES</b>	22 KJ
<b>CPC SERIES</b>	51 KJ
<b>GXT SERIES</b>	51 KJ
STANDARD ELECTRIC HAND DRYER	233 KJ
PAPER TOWELS 100% RECYCLED CONTENT	460 KJ
VIRGIN PAPER TOWELS	743 KJ

Energy is measured in KiloJoules (KJ). Lower numbers represent less energy use and less cost. EXT uses 90.6% less energy than a standard electric hand dryer.

## Green Facts <sup>(1)</sup>

Paper towels cannot be recycled, consume precious resources and use excessive landfill space. Making one ton of virgin paper towels can use:

- 7,000 gallons of water
- 17 full grown trees
- 464 gallons of oil
- 42 gallons of gasoline
- 3 yards of landfill waste

A major bottling company eliminated about 96 yards of landfill waste per year by replacing five paper towel dispensers with **EXTREMEAIR** hand dryers.

## Cost Savings

Going green doesn't have to cost a lot of money. In fact, the **EXTREMEAIR** saves customers up to 98% versus paper towel costs while eliminating landfill waste.

The operating cost of the **EXTREMEAIR** hand dryers is less than \$16 per year. To calculate your savings, fill out the savings worksheet on page 10. To see cost savings examples visit our website [americandryer.com/cost-savings/](http://americandryer.com/cost-savings/).

## Green Certifications



The **EXTREMEAIR** hand dryer has been GreenSpec® Listed. This is an unbiased list of the most environmentally friendly products published by the editors of Environmental Building News. The **EXTREMEAIR** met tough GreenSpec standards because it uses 80-90% less energy than conventional hand dryers and reduces maintenance and waste.



LEED stands for Leadership in Energy and Environmental Design. The Greener Products Certified Seal confirms the product complies with the LEED, LEED for Homes and NAHB standards. The **EXTREMEAIR** helps facilities qualify for LEED Credits in several categories:

<b>EA Credit 1</b>	Optimizing Energy Performance (Mandatory)
<b>MR Credit 6</b>	Solid Waste Management – Waste Stream Audit
<b>IEQ Credit 3.1</b>	Green Cleaning – High Performance Cleaning Program
<b>IO Credit 1</b>	Innovation in Operations
<b>IO Credit 3</b>	Documenting Sustainable Building Cost Impacts



The **EXTREMEAIR** is California Air Resources Board compliant.

(1) The Resource Recovery and Recycling Authority of Southwest Oakland County. Web 2016



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