



KILL GERMS WHILE
DRYING HANDS WITH
AMERICAN DRYER'S
NEW PATENT-PENDING
COLD PLASMA CLEAN™
TECHNOLOGY

Unparalleled Features

- Cold Plasma Clean™ technology kills germs naturally
- Dries hands in 10-15 seconds
- Adjustable sound and speed
- Compact design

2014 PRODUCT GUIDE
HAND AND HAIR DRYERS FOR EVERY APPLICATION



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WHY JUST DRY YOUR HANDS WHEN YOU CAN ALSO SANITIZE AND KILL GERMS?

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Cold Plasma Clean™ technology (CPC)

CPC kills germs naturally while drying hands with **warm air**. Cold Plasma Clean technology was developed by American Dryer's team of engineers to create the most hygienic method of hand drying ever. Cold Plasma Clean technology goes way beyond HEPA filtration, which simply traps mold and germs inside the dryer. HEPA does not sanitize your hands or kill germs. CPC technology is a solid-state, maintenance-free solution. There are no expensive filters, chemicals or labor.

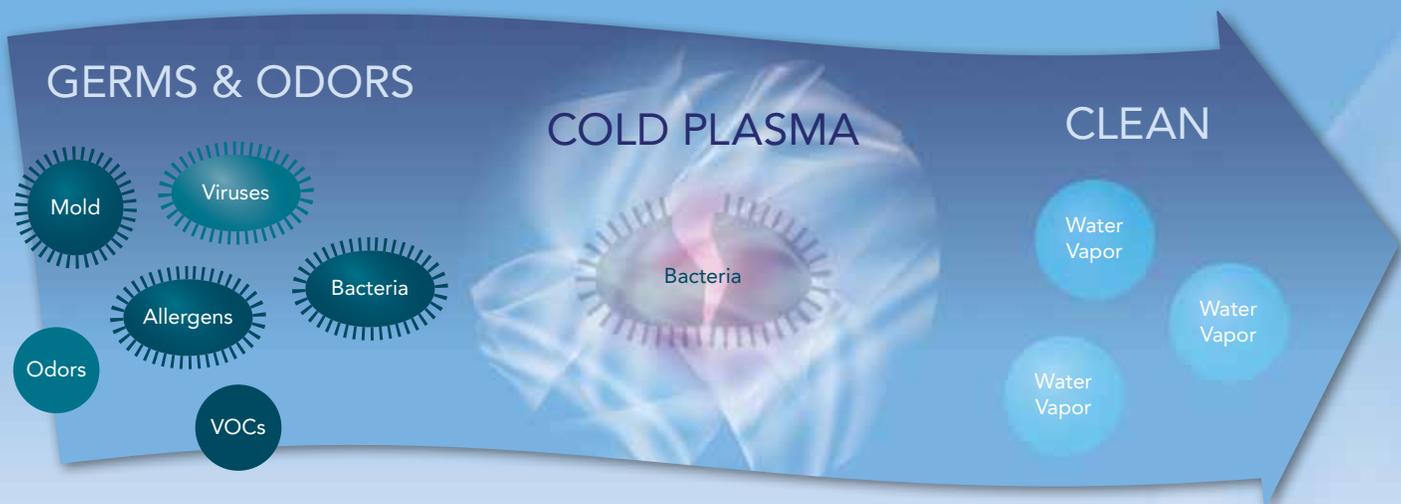
What is CPC and how does it work?

Cold plasma or bipolar ionization is nature's way of cleaning the air and killing germs. High levels of ionization are found in the fresh air breeze off the ocean or on top of a mountain. CPC technology is natural and safe.

The Cold Plasma Generator inside the **EXTREMEAIR®** uses steady-state positive and negative discharge points to split water molecules in the air into oppositely charged hydrogen and oxygen ions. These ions in turn break down gases to harmless compounds commonly found in the atmosphere.

Air is made up of millions of molecules, including harmful gases, fibers, mold, bacteria, and viruses. CPC technology breaks down harmful pathogens into simple, safe, naturally occurring molecules.

Cold plasma kills E.coli, C.diff, MRSA, Staph, TB, and more naturally, without chemicals*.



For a detailed explanation of CPC technology, download the white paper at americandryer.com.

*Cold plasma is intended only to sanitize the warm air used to dry hands. This product is not intended to diagnose, cure, mitigate, treat or prevent any disease.



EXTREMEAIR[®] cPc

THE ONLY HAND DRYER WITH PATENT-PENDING COLD PLASMA CLEAN TECHNOLOGY

CPC technology kills germs by creating a sanitizing bubble of air surrounding the hands under the dryer.

CPC technology is proven to kill harmful pathogens including E.Coli, C. Diff, Staph, MRSA, and TB. Testing has been done independently by EMSL Labs, an Elite CDC certified lab. The EXTREMEAIR with CPC technology has also been independently tested for safety by Underwriters Laboratory (UL), passing both the UL867 and the California Air Resources Board (CARB) standards.



Proven cold plasma technology has been used to sanitize the air in commercial buildings since the 1930s. The prestigious Cleveland Clinic, Baylor College of Medicine and Boston Children's Hospital use this technology to keep the air clean.



More recently, cold plasma has been used in the medical industry to treat surgical incisions and kill bacteria in the food processing industry. Today, the EXTREMEAIR cPc hand dryer harnesses the power of cold plasma technology.

COLD PLASMA CLEAN vs. HEPA FILTERS

	cPc	HEPA
Kills germs	99.6%	No
Maintenance-free	Yes	No
Neutralizes odors	Yes	No
CARB Certified	Yes	No

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AMERICAN DRYER'S GUIDING PHILOSOPHY CREATED THE **EXTREMEAIR** HAND DRYER SERIES WITH CPC TECHNOLOGY AND OUR FULL LINE OF DRYERS AND ACCESSORIES

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 patent-pending Cold Plasma Clean technology.

Here are a few of 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, including sound, speed, universal voltage, pricing, and more.
- We are committed to American manufacturing, so our complete line of quality hand dryers are 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.
- Engineering is our most important occupation. We devote our expertise to developing better ways to dry hands and hair, create and assure hygiene, continually enhance the user experience, and meet the needs of all our customers and product users.
- We believe that older technology is no longer acceptable to customers at any price point, so we incorporate 21st century quality and innovation into every dryer and accessory we sell.



Quality & Service

Quality is assured through every step of the process, from design to selection of quality materials to 100% final testing 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 voice mail, no automated phone systems, just great support when you need it.



Durability

Our hand dryers are designed to provide years of trouble-free service in the harshest of commercial applications including prisons, sports stadiums, high schools, parks, and factories. The vandal-resistant design makes the motor, heater and electronics inaccessible to unauthorized users. All finishes are durable and easy to clean. Our covers are strong enough to park an F150 truck on them.



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. With patent-pending CPC technology, there are no expensive HEPA filters to replace.

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.

Cost Savings

American Dryer's full line of virtually maintenance-free hand dryers saves customers up to 98% of paper towel costs while protecting the environment.

The newest **EXTREMEAIR** with patent-pending Cold Plasma Clean technology is the most energy-efficient way to sanitize, killing the germs while drying. CPC technology uses a minuscule 2.5 watts of power to eliminate harmful germs.

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

"I trust American Dryer. My company saved \$25,000 this year with the **EXTREMEAIR**."



Cost per 1,000 hand dryings

EXT SERIES	\$0.18
CPC SERIES	\$0.42
GXT SERIES	\$0.42
PAPER TOWEL	\$23.44

Cost Analysis for a University

Paper Towel Usage	3,850 Cases
Total Paper Costs	\$115,500
Hand Dryer Operating Costs	\$1,232
ANNUAL SAVINGS	\$114,268
Payback Time	4 Months

Cost Analysis for a Sports Arena

Paper Towel Usage	800 Cases
Total Paper Costs	\$60,000
Hand Dryer Operating Costs	\$533
ANNUAL SAVINGS	\$59,467
Payback Time	5 Months

THE **EXTREMEAIR**
 CAN DRY UP TO 100 PAIRS
 OF HANDS FOR THE COST
 OF ONE PAPER TOWEL.

THE **EXTREMEAIR**[®] HAND DRYER IS REVOLUTIONIZING CLEAN!

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New! **EXTREMEAIR CPC** Hand Dryers

Enjoy all of the features of our best-selling **EXTREMEAIR** hand dryers – PLUS American Dryer’s patent-pending, exclusive Cold Plasma Clean technology.

Cold Plasma Clean

Effectively ending the debate about which hand dryer is most hygienic – and leaving paper towels in the trash where they belong – **EXTREMEAIR** with Cold Plasma Clean technology not only dries hands fast, but also sanitizes and deodorizes the surrounding air. With Cold Plasma Clean, the dryer **delivers warm air** that kills germs naturally, with no chemicals!

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.

A dial inside the dryer provides easy sound adjustment from 83 to 69 dB, with a speed of 19,000 to 10,000 LFM. There is NO need to upgrade or replace parts.

Universal Voltage

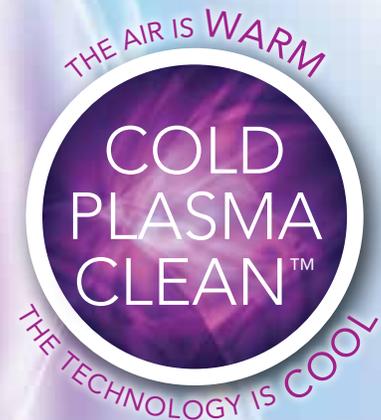
The **EXTREMEAIR** can be connected to any voltage from 100 to 240 volts, 50/60 Hz. The dryer configures itself to your voltage, making installation easier.

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.

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. Automatic resetting thermal protector.



Energy Per Use	
EXT SERIES	22 KJ
CPC SERIES	51 KJ
GXT SERIES	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.

80-90% LESS ENERGY • 3X FASTER • 98% COST SAVINGS

EXTREMEAIR® CPC, GXT & EXT HAND DRYER SERIES



White ABS



Steel White Epoxy



Steel Black Graphite



Steel Satin Chrome



Stainless Steel

COMPACT • HIGH SPEED • ENERGY EFFICIENT

Compact

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. Indestructible one piece fixed nozzle.

Heating Element (cPC and GXT Series)

The heating element has an automatic thermal protector and operates in the black range for maximum life.

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)

5-Year Premium Warranty

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

CPC SERIES — COLD PLASMA CLEAN

SANITIZE THE AIR • KILL GERMS • FASTEST
MAXIMUM PERFORMANCE • ENERGY EFFICIENT

135° F air temperature at 72° F room temperature
10+ seconds adjustable drying time
1500-800 watts adjustable power

GXT SERIES

FASTEST • ENERGY EFFICIENT

135° F air temperature at 72° F room temperature
10+ seconds adjustable drying time
1500-800 watts adjustable power

EXT SERIES — NO HEAT

GREENEST • NO DEDICATED LINE REQUIRED
CONNECT UP TO 3 DRYERS ON ONE LINE!

85° F air temperature at 72° F room temperature
12+ seconds adjustable drying time
500-300 watts adjustable power

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EXTREMEAIR MODEL REFERENCE CHART

	CPC SERIES	GXT SERIES	EXT SERIES — NO HEAT
White ABS	CPC9	GXT9	EXT7
Steel White Epoxy	CPC9-M	GXT9-M	EXT7-M
Steel Black Graphite	CPC9-BG	GXT9-BG	EXT7-BG
Steel Satin Chrome	CPC9-C	GXT9-C	EXT7-C
Stainless Steel	CPC9-SS	GXT9-SS	EXT7-SS
	Universal Voltage 100-240 V 50/60Hz 12.5 A max. @ 120 V 6.5 A max. @ 240 V 1500-800 W	Universal Voltage 100-240 V 50/60Hz 12.5 A max. @ 120 V 6.5 A max. @ 240 V 1500-800 W	Universal Voltage 100-240 V 50/60Hz 4.5 A max. @ 120 V 2.3 A max. @ 240 V 500-300 W

For ADA Wall Guard, ADA Recess Kit and Adapter Plate, see page 10.

ADVANTAGE™ AD HAND & HAIR DRYER SERIES



White ABS



Steel White Epoxy



Steel Black Graphite



Steel Satin Chrome



Stainless Steel

DRIES IN 25 SECONDS • UNIVERSAL VOLTAGE • 5-YEAR WARRANTY

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

Universal Voltage: The new **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 (Liner Feet per Min.)
Air Temperature	120° F at 72° F room temperature
Sound Level	67 dB (Quietest in its class)
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
Universal Voltage 100-240 V 50/60Hz 12.5 A max. @ 120 V 6.5 A max. @ 240 V 1400 W	

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

**For ADA Wall Guard,
ADA Recess Kit
and Adapter Plate,
see page 10.**

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GLOBAL® GX HAND DRYER SERIES



White ABS



Steel White Epoxy



Steel Satin Chrome

VANDAL RESISTANT • 3-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.

3-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 (Liner Feet per Min.)
Air Temperature	120° F at 72° F room temperature
Sound Level	63 dB (Quietest in its class)
Dimensions Surface	10-1/8" W x 9-3/8" H x 5-5/8" D

GLOBAL MODEL REFERENCE CHART

White ABS	GX1	GX3
Steel White Epoxy	GX1-M	GX3-M
Steel Satin Chrome	GX1-C	GX3-C
	110-120 V 50/60Hz 12 A 1500 W	208-240 V 50/60Hz 6 A 1500 W

**For ADA Wall Guard,
ADA Recess Kit
and Adapter Plate,
see page 10.**



AMERICAN DRYER® 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, new patent-pending 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

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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% less energy than conventional hand dryers and reduces maintenance and waste.



The **EXTREMEAIR** helps facilities qualify for LEED® Credits. LEED stands for Leadership in Energy and Environmental Design. The **EXTREMEAIR** helps facilities qualify for LEED Credits in several categories:

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



The Greener Products Certified Seal confirms the product complies with the LEED, LEED for Homes and NAHB standards.



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

Energy Reduction

Reduce 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 540 watts of electricity. That's up to 3X Less Energy than other "green" hand dryers.



Green Facts

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. The operating costs of the hand dryers is less than \$16 per year. To calculate your cost savings while going green, please see our online cost calculator.

Cost Savings

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

To see cost savings examples or calculate your savings, visit our website americandryer.com

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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 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.

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



see us at
Sweets.com



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