

TRI-*Umph*[™]

HIGH-SPEED HAND DRYER

NEW



ROVAL[™]

by **ASI[®]**

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ASI



HIGH-SPEED HAND DRYER

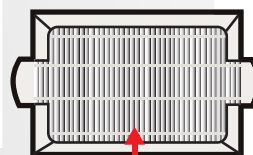
American Specialties, Inc.'s newest high-speed hand dryer puts the **UMPH** in hand drying.



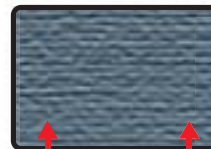
TRI-Umph™ is a state-of-the-art, ergonomic, high-speed hand dryer. With air blowing down and back from vents on three sides, users dry their hands in 12 seconds, in a comfortable, natural position without water splash-back.

TRI-Umph™ over energy

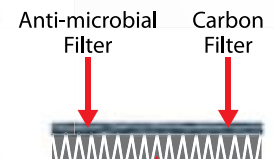
Cost of Electricity (110 V) as of May 2012			
	TRI-Umph™ with Heater On (1.000 kW/H)	TRI-Umph™ with Heater Off (0.550 kW/H)	Competitor (1.400 kW/H) (No Heater Available)
kW per Use ⁽¹⁾	0.00336	0.00210	0.00467
Cost per Use ⁽²⁾	\$0.000433	\$0.000271	\$0.000602
Cost per Year ⁽³⁾	\$26.01	\$16.25	\$36.15



HEPA Filter



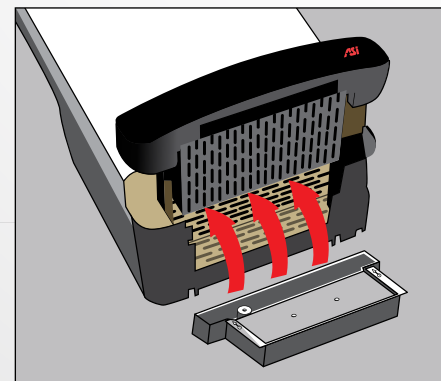
Anti-microbial Filter Carbon Filter



Anti-microbial Filter Carbon Filter HEPA Filter

TRI-Umph™ over germs

- Ultra hygienic — Over 99% of airborne bacteria is eliminated with the removable Super Filter System:
 - » First Layer: HEPA filter
 - » Second Layer: Carbon filter
 - » Third Layer: Anti-microbial filter
- Anti-microbial silver sodium added to the ABS cover provides an additional layer of germ protection



⁽¹⁾ Based on 12-second drying time

⁽²⁾ From the Bureau of Labor Statistics, May 2012, cost of electricity per kW is \$0.129

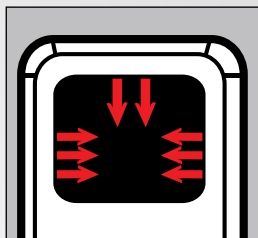
⁽³⁾ Assumes 200 uses per day, 300 days per year



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TRI-Umph™ over time

- Fast drying time — about 12 seconds — with air from vents on three sides
- Easy to maintain
 - » Super Filter System is easy to clean and replace when needed
 - » The narrow design of the top half of the dryer allows the unit and the back wall to be easily cleaned



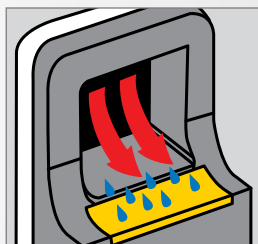
TRI-Umph™ with ergonomics

- No need to bend over or bend knees
- Dry hands in the same natural position that they were washed



TRI-Umph™ over water

- Water from hands is pushed backwards onto absorbent ceramic plate
- Water not absorbed by ceramic plate is channeled into a drip tray ... not the floor



TRI-Umph™ over vandalism

- Dryer can only be dismantled using a dual-step security system that ensures vandal resistance
- Reinforcement base plate is secured to the back of the unit

TRI-Umph™ with more choices

- Use dryer with heater on or off (internal on/off switch)
- Adjustable air flow
- Available in 110/120V, 208/240V and 277V





AUTOMATIC HAND DRYER

How it Works...

- User puts hand horizontally into unit
- User can rub hands if so desired
- Air blows out automatically from three sides, drying hands in about 12 seconds
- Water is atomized and “pushed” down towards the absorbent ceramic plate behind the opening



Specifications

ITEM CATEGORY		SPECIFICATIONS
Operating Volts	20200-1 20200-2 20200-3	110/120V, 50/60 Hz. 208/240V, 50/60 Hz. 277V, 50/60 Hz.
Watts		1200W with heater on; 750W with heater off (450W heater element)
Warm Air Temp Output (when heater is on)		131° F (55° C) MAX at 70° (25° C) ambient room temp
Motor Type		1 HP, 20 krpm MAX, brush type dual ball bearings
Motor Protection Thermostat		Auto resetting thermostat turns unit off at 221° F (105° C)
Heater Safety Off		185° F (85° C)
Drying Time		About 12 seconds
Circuit Operation		Infrared automatic
Sensor Range		7" (18 cm)
Timing		2-second turn-off; 60-second auto shut-off
Noise (Decibel) Level		67 dB-A MIN to 69.8 dB-A MAX
Air Speed		145 mph (213 ft/s) [65 m/s {234 km/h}] - 203 mph (298 ft/s) [91 m/s {327 km/h}], adjustable by owner
Air Flow (Volume)		204 CFM (347m ³ /h)
Cover Finish		ABS plastic with silver sodium ions (satin look)
Net Weight / Shipping Weight		19.8 lbs. (9 kg) / 23.1 lbs. (10.5 kg)
Unit Size		12 ⁴³ / ₆₄ " W x 22" H x 7 ⁹ / ₃₂ " D (322 x 560 x 185 mm)
Warranty		5 years

Patent: 8037619 B2

Pat. Pending: 12/129,221, 29/387,482, 13/105292, 29/409,033, 29/409,078, 13/413,044



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