

**TRI-Umph™**

HIGH-SPEED HAND DRYER

**NEW**



**ROVAL™**  
by **ASI**

**ASI**



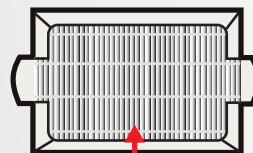
## American Specialties, Inc.'s newest high-speed hand dryer puts the *UMPH* in hand drying.



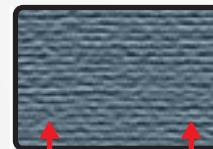
**TRI-Umph™** is a state-of-the-art, ergonomic, high-speed hand dryer. With air blowing down and back from vents on three sides, users dry their hands in 12 seconds, in a comfortable, natural position without water splash-back.

### TRI-Umph™ over energy

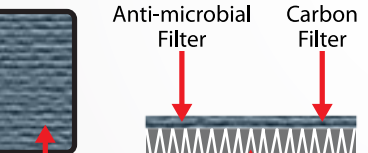
| Cost of Electricity (110 V) as of May 2012 |  |   |   |
|--|--|---|---|
|  | TRI-Umph™<br>with<br>Heater On<br>(1.000 kW/H) | TRI-Umph™<br>with<br>Heater Off<br>(0.550 kW/H) | Competitor<br>(1.400 kW/H)<br>(No Heater Available) |
| kW per Use <sup>(1)</sup>                  | 0.00336  | 0.00210   |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



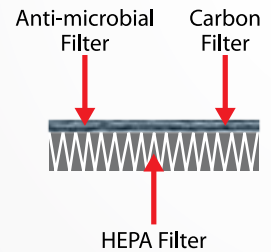
HEPA Filter



Anti-microbial  
Filter



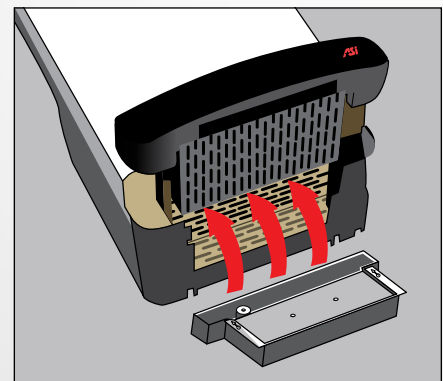
Carbon  
Filter



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



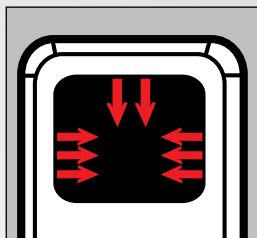
<sup>(1)</sup> Based on 12-second drying time

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

<sup>(3)</sup> Assumes 200 uses per day, 300 days per year

## 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



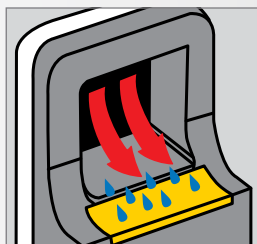
## TRI-Umph™ with ergonomics

- 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<br>20200-2<br>20200-3 | 110/120V, 50/60 Hz.<br>208/240V, 50/60 Hz.<br>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 <sup>3</sup> /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 <sup>43</sup> / <sub>64</sub> " W x 22" H x 7 <sup>9</sup> / <sub>32</sub> " 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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