

TRI-*Umph*<sup>™</sup>

HIGH-SPEED HAND DRYER

**NEW**



**ROVAL**<sup>™</sup>  
by **ASI**

**ASI**



# HIGH-SPEED HAND DRYER

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



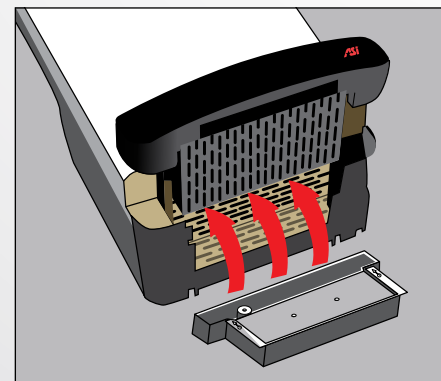
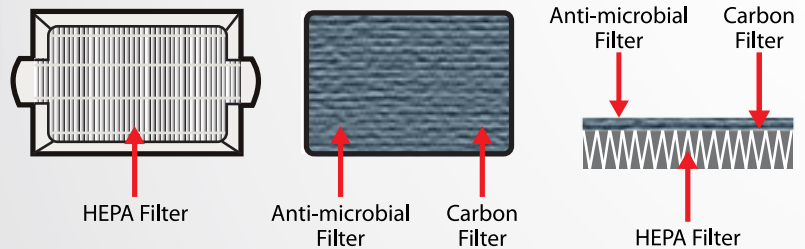
**TRI-Umph™** hand dryer is a state-of-the-art, ergonomic, high-speed unit. With air blowing down and back from vents on three sides, users dry their hands in 12 seconds, in a comfortable, natural position without water splash-back.

## TRIUMPH OVER ENERGY

| Cost of Electricity (110 V) as of May 2012 |  |   |   |
|--|--|---|---|
|  | TRI-Umph™<br>Hand Dryer<br>w/Heater On<br>(1.000 kW/H) | TRI-Umph™<br>Hand Dryer<br>w/Heater Off<br>(0.550 kW/H) | Competitor<br>(1.400 kW/H)<br><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   |

## TRIUMPH OVER GERMS

- Ultra hygienic — Over 99% of airborne bacteria and particles as small as 0.3 microns are eliminated with the removable Super Filter System:
  - » First Layer: HEPA filter
  - » Second Layer: Carbon filter
  - » Third Layer: Anti-microbial filter
- Anti-microbial silver ion treatment added to the ABS cover provides an additional layer of germ protection



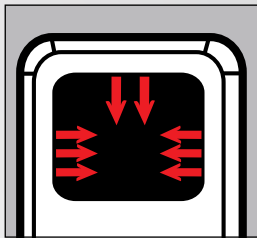
<sup>(1)</sup> Based on 12-second drying time

<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

## TRIUMPH 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



## TRIUMPH WITH ERGONOMICS

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



## TRIUMPH OVER WATER

- Water from hands is pushed backwards onto an absorbent and continuously evaporating ceramic plate
- Water not evaporated or absorbed by the plate is channeled into a drip tray... not the floor



## TRIUMPH OVER VANDALISM

- Dryer can only be removed using a dual-step security system offering enhanced vandal resistance
- Reinforcement back plate is internally secured to the wall mounting unit

## TRIUMPH WITH MORE CHOICES

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





# AUTOMATIC HAND DRYER

## HOW IT WORKS...

- User puts hands 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 any excess droplets are pushed back onto the absorbent/evaporating ceramic plate



## 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) |                               | 122° F (50° 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 275° F (135° C) @ 120V, 203° F (95° C) @ 240-277V                                      |
| Heater Safety Off                        |                               | 185° F (85° C)   |
| Drying Time                              |                               | About 12 seconds   |
| Circuit Operation                        |                               | Infrared automatic   |
| Sensor Range                             |                               | 4 <sup>23</sup> / <sub>32</sub> " ± <sup>25</sup> / <sub>64</sub> " (120mm ± 10mm)   |
| Timing                                   |                               | 2-second hold-on; 60-second auto shut-off  |
| Noise (Decibel) Level                    |                               | 65 dB-A MIN to 69.8 dB-A MAX @ 2M  |
| Air Speed                                |                               | 145 mph (213 ft/s) [65 m/s {234 km/h}] - 224 mph (328 ft/s) [100 m/s {360 km/h}], adjustable by owner                              |
| Air Flow (Volume)                        |                               | 55 - 76 CFM (89 - 124m <sup>3</sup> /h)  |
| Cover Finish                             |                               | ABS plastic with silver 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 23 <sup>1</sup> / <sub>8</sub> " H x 7 <sup>3</sup> / <sub>4</sub> " D (322 x 588 x 197 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



CB LVD CE RoHS



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