

The next Generation of Lens Tinting Systems

## Vortex Digital Tinter 4



### Description:

**Vortex Digital Tinter 4** is an advanced generation four vat (tank) tinting system combining four accurate digital "auto-tuning" PID temperature controllers with bright LED displays showing the desired (set) and actual (measured) temperatures of each tank. Each tank has an individual digital process timer to monitor tinting times. Vortex 4 incorporates variable speed stirring, hinged-lids that do not need to be removed when tinting lenses, and special coated easy to clean stainless steel vats for heating lab chemicals. The temperature probe located in each tank precisely measures the solution temperature (not HTF temperature), preventing messy boil-overs. The detachable probe allows for easy vat removal and cleaning. Vortex 4 is simple to use and is the perfect machine for fast absorption of tints and UV into coated polycarbonate, hi-index, and CR39 lens materials.



- Faster tinting, with better color shade consistency.
- Variable speed stirrers.
- Bright display showing both the desired and actual temperatures
- Digital temperature control, with detachable temperature probes.
- Nonstick tanks for easy cleaning.
- No boil-over. Lid position will not affect the temperature.
- Stainless steel construction.
- Hinged lids - No need to remove lid when tinting lenses
- 4 Digital Timers



Accurate digital temperature control

### Specifications:

**Power Consumption:** 1200 Watts  
**Power Requirement:** 120 VAC, 60Hz.  
 230 VAC, 50Hz. (Optional)  
**Body:** All Stainless Steel Construction  
**Stirring:** 4 Variable Speed Stirrers  
**Temperature Control:** 4 Microprocessor PID Temperature Controllers  
**Temp. Range:** 32° - 212°F (0° -100° C) (+/- 0.3%)  
**Overheat Protection:** Automatic  
**Dimensions:** 20.9 x 14.2 x 11.5 in. (53.08 x 36.07 x 29.2 cm) (lid down), 15 in. (38.1 cm) (lid up)



Detachable temperature probe.

### Warranty:

One year warranty from the date of purchase.

### Packaging & Shipping

The Tinter, Item #E348 is packaged in a 27 x 20 x 11 in. (68.58 x 50.8 x 27.94 cm) craft box, weight: 44 lb., (19.96kg), and comes with a starter kit packaged in a 15 x 15 x 12 in. (38.1 x 38.1 x 30.48 cm) craft box, weight: 12 lb., (5.44kg).

Starter Kit includes, Four 15 fl. oz. (4x444ml) of OptiSafe HTF, Lens Holder, 6 pack of lens dye, UV Formula III, 1 qt. (946ml) Neutralizer, and Vat Removal Tool.

Total shipping weight = 56 lbs. (25.40kg)

Item# E348 for 120V, 60 Hz.

Item# E348-230 for 230V, 50 Hz.



Nonstick Vat and stirring bar. Nonstick (Vat) prevents dyes from sticking and caking to the walls, therefore making vat cleaning easy.



For a Quote or more information contact  
**Grimes Optical Equipment, LLC**  
 800.749.8427 or [www.grimesoptical.com](http://www.grimesoptical.com)