Phantom® One Minute UV

Description:
A powder formula for making any CR-39 lens capable of absorbing ultraviolet radiation up to 400 nm in a simple treatment process. This fast absorbing formula is compatible with Anti-Reflection coating, tinting, and scratch resistance coating processes. The powder formula is sealed in water dissolvable bags, and packaged in paper envelopes.

What is Ultraviolet Radiation?
Dangerous invisible electromagnetic particle-like properties which are produced by the sun and man-made sources (such as electric welding arcs, high pressure lamps, etc). The wavelength of the UV radiation is measured in nanometers. For more information about UV radiation, refer to our informative pamphlet, “Protect Your Eyes From UV Radiation”.

Equipment Needed:
1. One or more tanks in your dye heating unit can be allocated to heat the UV formula. An indirect heating unit utilizing heat transfer fluid is strongly recommended (e.g., Phantom Heating System). Any direct heating unit must incorporate stirring action to become suitable for heating the UV formula.

2. Clean lens holder. Lens holder used for UV treatment should not be dipped in other solutions to prevent cross contamination.

Directions:
UV treat lenses easily by dipping the lenses into UV solution heated to 205-210°F (96-99°C) for 1-2 minutes. Allow 3-4 minutes immersion time if sending lenses for AR coating.

1. Open envelope & remove dissolvable bag (Fig. 1).

2. Drop dissolvable bag into dye vat filled with water. (Fig. 2).

Availability:
UV treatment (Item#C351P), UV treatment with Scratch Resistance Properties (Item#C351S).

How to Use:

Figure 1: Open envelope & remove dissolvable bag

Figure 2: Drop dissolvable bag into dye tank filled with water. Plastic and ingredients dissolve in water.