

## UV Crosslinkers



- Microprocessor controlled
  - Large LED display
  - Cycle complete beeper
  - Small bench footprint
  - Door-mounted viewing window
  - Fully programmable
  - Touchpad membrane switch
  - Photo-feedback sensor
  - Two convenient sizes
  - Laydown front door
  - Four selectable modes:
    - Auto optimal crosslink preset at 120,000 microjoules
    - Adjustable energy programming from 0 to 999,900 microjoules
    - Auto time preset at 5 minutes
    - Adjustable time programming from 0 to 999.9 minutes
  - More accurate energy measurements
- Exclusive to Electronic Ballasting Models:**
- Patented electronic ballasting
  - Exclusive real-time intensity monitoring function
  - Increased lamp intensity for shorter crosslinking times
  - Higher ballast efficiency for longer lamp life and lower power consumption

Proper UV crosslinking shows enhanced transfer to DNA or RNA membrane when receiving an optimal dose of UV energy. All these crosslinkers are designed to optimize UV energy, while ensuring DNA/RNA membranes are consistently crosslinked. By use of an internal photo-feedback system with the microprocessor control, researchers have control over UV energy level, exposure time and intensity. Additionally, this control system automatically adjusts to variations in UV intensity that occur as UV source ages, insuring consistent crosslinking.

### Electronic Ballast UV Crosslinkers

These Crosslinkers crosslink DNA or RNA to nitrocellulose, nylon or nylon-reinforced transfer membranes. Studies show ultraviolet energy can be used as an alternative to oven baking for the crosslinking process. UV energy completes the process in seconds compared to hours. These units utilize the patented electronic ballast for increased intensity, accuracy and shorter crosslinking time.

### Magnetic Ballast UV Crosslinkers

These magnetic ballast Thrifline series are a lower cost alternative to the electronic models. They are built to the same quality standards. Both types optimize bench space providing small bench requirements while providing large internal dimensions. Select from two sizes. Both electronic and magnetically ballasted crosslinkers are available in two sizes, small and large.

### Specifications

<b>Large Unit:</b>	
Chamber	15 x 48 x 37 cm (6 x 19 x 14.5 in)
Exterior	30 x 55 x 42 cm (11.75 x 21.5 x 16.5 in)
Weight	15.9 kg (35 lbs)
<b>Small Unit:</b>	
Chamber	15 x 25 x 30 cm (6 x 10 x 12 in)
Exterior	27 x 32 x 34 cm (10.5 x 12.5 x 13.5 in)
Weight	10.4 kg (23 lbs)

### UV Crosslinkers

Ballast	Size	Wavelength	Catalog No.	
			115 VAC, 60 Hz	230 VAC, 50 Hz
Electronic	Small	254 nm	CGS-8562.76	CGS-8566.76
Electronic	Large	254 nm	CGS-8563.76	CGS-8566.76
Magnetic	Small	254 nm	CGS-8564.76	CGS-8568.76
Magnetic	Large	254 nm	CGS-8565.76	CGS-8569.76