



ULTRAVIOLET CURING SYSTEMS



AIR-COOLED CONVEYOR-CURE IRRADIATORS

American Ultraviolet's Air-Cooled CONVEYOR-CURE Ultraviolet Curing Irradiator systems meet all application criteria. CONVEYOR-CURE Irradiators are designed for research laboratory use, curing ultraviolet inks, coatings and adhesives, retrofitting to existing conveyors and infrared ovens, or integration into American Ultraviolet variable speed conveyORIZED curing systems.

CONVEYOR-CURE Irradiators are constructed totally of extruded aluminum. The side extrusion housing incorporates optical shielding mounts for personal safety and ease of operation. The exclusive heat sink fin is of extruded aluminum. The reflector holder dissipates heat and prevents polished aluminum reflector distortion.

The custom U.L.-approved, key-locked, high-voltage/high-temperature silicone wire connector is utilized between power supply and irradiator.

Centrally located cooling fans keep the ultraviolet curing lamps at optimum temperature for all curing applications.

Relamping is accomplished by lifting the top cover of the irradiator while the side extrusions and shielding remain stationary.

CONVEYOR-CURE Irradiators will accommodate 200/300 and 400W/in. ultraviolet curing lamps. American Ultraviolet curing lamps are designed with output between 185 and 400 nanometer ultraviolet curing range and a useful life of 1000 hours.

CONVEYOR-CURE Power Supplies are completely wired and clearly labeled for operational ease. All power supplies incorporate high/low optional lamp intensity control at 200W/in. and tri-power switching on 300 and 400W/in. systems.

See reverse side for technical data.



American Ultraviolet Company

It's all we do.

www.americanultraviolet.com

HEADQUARTERS

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CONVEYOR-CURE IRRADIATORS

Irradiator No.	Irradiator Length	Lamp Arc Length	Lamp No.	Voltage (60Hz)	Amperage (300 WPI)	Amperage (300 WPI)
C1004A	14 ³ / ₆	4	A9441MCB	120,208,240	10,10,10	20,10,10
C1006A	16 ¹³ / ₆	5 ³ / ₄	A9461MCB	120,208,240	10,10,10	20,10,10
C1008A	18 ⁷ / ₆	8	A9481MCB	120,208,240	20,20,20	N/A,30,30
C10012A	23 ¹¹ / ₃₂	12 ¹⁵ / ₃₂	A94121MCB	208,230,420,460	20,20,15,15	40,40,30,30
C10018A	29 ¹¹ / ₃₂	18 ¹⁵ / ₃₂	A94181MCB	208,230,420,460	30,30,20,20	50,50,30,30
C10025A	36 ¹¹ / ₃₂	25 ¹⁵ / ₃₂	A94251MCB	208,230,420,460	40,40,20,20	60,60,40,40
C10030A	41 ¹¹ / ₃₂	30 ¹⁵ / ₃₂	A94301MCB	208,230,420,460	50,50,25,25	70,70,45,45
C10038A	49 ¹¹ / ₃₂	38 ¹⁵ / ₃₂	A94381MCB	208,230,420,460	60,60,30,30	80,80,50,50
C10042A	52 ⁷ / ₆	42	A94421MCB	208,230,420,460	60,60,40,40	90,90,50,50
C10048A	59 ¹¹ / ₃₂	48 ¹⁵ / ₃₂	A94481MCB	208,230,420,460	70,70,40,40	100,100,60,60
C10050A	60 ⁷ / ₆	50	A94501MCB	208,230,420,460	70,70,40,40	100,100,60,60
C10055A	66 ³ / ₄	55 ⁷ / ₆	A94551MCB	208,230,420,460	80,80,50,50	125,125,70,70
C10060A	71 ¹¹ / ₃₂	60 ¹⁵ / ₃₂	A94601MCB	208,230,420,460	80,80,50,50	125,125,60,60
C10065A	75 ⁷ / ₆	65	A94651MCB	208,230,420,460	100,100,60,60	150,150,80,80
C10077A	88 ¹¹ / ₃₂	77 ¹⁵ / ₃₂	A94771MCB	208,230,420,460	CONSULT FACTORY	CONSULT FACTORY

TECHNICAL DATA

- Totally extruded aluminum focused reflector holder
- Replaceable polished aluminum reflector liners
- Totally extruded aluminum side extrusion with optical shielding mounts
- Completely wired power supply with lamp intensity controls
- Full/half power controls (200W/in. units)
- Tri-power lamp switching—300/200/125W/in. (300/400W/in. units)
- Eight-foot high voltage key-locked irradiator to power supply connector
- Custom air seals to prevent lamp overcooling
- Ultraviolet curing lamp: 200/300/400W/in.
- Optical shielding enclosure

OPTIONS

- Variable speed conveyors
- Ozone-free ultraviolet curing lamps
- 50 Hz power supplies
- Metal halide additive lamps
- Non-focused systems for 3-D applications
- Vacuum hold-down to existing conveyors
- Plexiglass light shields
- 400/500/600W/in. output
- Dichroic reflector inserts
- Gallium lamps
- Custom applications

CAUTION

CONVEYOR-CURE Irradiators emit ultraviolet radiation which is harmful to eyes and skin. Great care should be taken to insure that personnel area is not exposed to direct or reflected radiation. Suitable eye and skin protection, such

as American Ultraviolet ULTRA-SPEC 100 and ULTRA-GOG 300 Safety Glasses should be worn when lamp is in operation. Before cleaning and relamping, always turn the power OFF.

Manufacturer reserves the right to alter dimensions for design and efficiency improvement without prior notice.



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