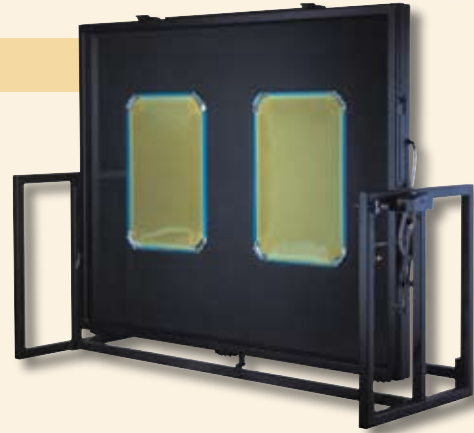


Screen Print Vacuum Frames

FEATURES

- Maximum screen frame capacities range from 91 x 127 cm (36" x 50") to 152 x 457 cm (60" x 180")
- Ideal companion for standalone exposure units like NuArc's 6K/3K™
- Custom sizes available



NuArc's SPVF Direct Screen Vacuum Frames are sized for large and multiple screen exposures. These versatile vacuum frames can be rotated in a 360° arc. This makes it possible to load screens while the SPVF vacuum frame is in a horizontal position, and then rotate the frame to a vertical position. The frame can either face toward or away from the operator so that freestanding exposure units like NuArc's 6K/3K Exposure System can operate from either side. In addition to the eight standard-size models of the SPVF, NuArc designs and manufactures custom sizes to match customers' needs.

Heavy-duty maintenance-free vacuum pumps on SPVF units quickly evacuate the air under the blanket. NuArc's unique manifold system ensures intimate contact by drawing vacuum evenly around the perimeter of the blanket frame. This unique approach eliminates

the need to attach the vacuum directly to the blanket, adding to the longevity of the exceptionally flexible and resilient high-performance blanket material. These benefits are coupled with NuArc's custom-designed positive-seal blanket bead profile to assure intimate contact between blanket, glass, and screen frame. All models of the SPVF also have NuArc's exclusive patented vacuum release system. SPVF vacuum frames are solidly constructed of heavy-duty steel and are counterbalanced for easy, smooth rotation.

STANDARD FEATURES

Blanket & Vacuum

- Eliminates the need for a vacuum hose connection to the blanket
- Exceptionally flexible and resilient material ensures intimate contact and blanket longevity
- Gas shocks simplify blanket frame opening and closing
- Oil-free pump is fast, quiet, and efficient
- Unique manifold system ensures intimate contact by drawing vacuum evenly around the perimeter of the blanket frame
- Vacuum release system (U.S. Patent No. 5,481,333) instantly releases vacuum

Certification

- CE & UL compliant: Built to specifications established by the European Committee for Standardization® (CE) and Underwriters Laboratories® (UL)

Design & Construction

- 9.5 mm (3/8") thick optically-clear plate glass
- Frame latches are made with state-of-the-art material for durability, longevity, and operator comfort
- Removable covers provide easy access to components to clean or replace any serviceable item
- Ships fully assembled and ready to deploy
- Square tubular steel welded frame

Exposure Orientation

- Frames rotate 90° from the horizontal screen-loading position—both toward and away from the operator—for exposure from either side

Warranty, Service & Support

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- One-year limited warranty excluding blanket and glass

OPTIONS

Design & Construction

- Heavy-duty casters

SPECIFICATIONS

	SPVF 3650	SPVF 5572	SPVF 4884	SPVF 6084	SPVF 60108	SPVF 60132	SPVF 60144	SPVF 60180
Maximum Frame Size	91 x 127 cm (36" x 50")	140 x 183 cm (55" x 72")	122 x 213 cm (48" x 84")	152 x 213 cm (60" x 84")	152 x 274 cm (60" x 108")	152 x 335 cm (60" x 132")	152 x 366 cm (60" x 144")	152 x 457 cm (60" x 180")
Vacuum Frame Size	112 x 147 cm (44" x 58")	160 x 203 cm (63" x 80")	152 x 244 cm (60" x 96")	183 x 244 cm (72" x 96")	183 x 305 cm (72" x 120")	183 x 366 cm (72" x 144")	183 x 396 cm (72" x 156")	183 x 488 cm (72" x 192")
Overall Size	132 x 191 cm (52" x 75")	180 x 246 cm (71" x 97")	163 x 284 cm (64" x 112")	193 x 310 cm (76" x 122")	193 x 345 cm (76" x 136")	193 x 406 cm (76" x 160")	193 x 437 cm (76" x 172")	193 x 528 cm (76" x 208")
Electrical Requirements¹	110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW	110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW	110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW	110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW	110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW	110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW	110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW	110 V, 1 ph, 14/12 A, 50/60 Hz, 1.3 kW 208/230 V, 1 ph, 7/6 A, 50/60 Hz, 1.4 kW
Shipping Weight	227 kg (500 lb)	306 kg (675 lb)	363 kg (800 lb)	431 kg (950 lb)	476 kg (1050 lb)	544 kg (1200 lb)	590 kg (1300 lb)	726 kg (1600 lb)

¹ If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly. Other electrical configurations are available: Contact The M&R Companies for details.

6K/3K™

Multi-Spectrum Exposure Lamps

FEATURES

- Ideal exposure system for freestanding vacuum frames
- 6 kW or 3 kW instant-start multi-spectrum metal-halide lamp
- Designed for high-production applications

NuArc's 6K & 3K multi-spectrum metal-halide lamps provide instant-start, shutterless operation for all freestanding and wall-mounted vacuum frames. The 6K & 3K provide uniform coverage on direct, capillary, and indirect emulsions. Each model features a precise controller/integrator with photo detector, pushbutton controls, and LED readout. Their shutter-free operation eliminates warm-up time and the need for mechanical exposure components. Height-adjustable floor stands and heavy-duty casters are standard.



All equipment from The M&R Companies is built with M&R's unsurpassed attention to detail and commitment to quality, durability, innovation, and design excellence, and is backed by M&R's unparalleled 24-hour access to service, support, and premium parts. It's no wonder M&R is the first name in screen printing equipment.

STANDARD FEATURES

Certification

- CE & UL compliant: Built to specifications established by the European Committee for Standardization® (CE) and Underwriters Laboratories® (UL)

Controller/Integrator

- LCD display with pushbutton control
- Light integrator ensures precise exposures

Design & Construction

- Heavy-duty all steel cabinet
- Heavy-duty casters
- Height adjusts to accommodate virtually any size vacuum frame
- Removable covers provide easy access to components to clean or replace any serviceable item
- Ships fully assembled and ready to deploy

Light Source

- 6 kW & 3 kW models with multi-spectrum instant-start metal-halide lamps produce fast, efficient exposures
- Exposes all emulsions: direct, capillary, and indirect
- Lamp is easy to access and change
- Patented (U.S. Patent No. 4,339,692) instant-start lamp and rapid recovery power supply eliminate warm-up and idling times, saving energy and reducing heat build-up
- Point-light source provides maximum collimation and optimum coverage to hold fine lines and dots

Warranty, Service & Support

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- One-year limited warranty excluding blanket, glass, and lamps

OPTIONS

Replacement Lamp

- 3 kW multi-spectrum metal-halide lamp: Part Number HT162
- 6 kW multi-spectrum metal-halide lamp: Part Number PM78

SPECIFICATIONS

	6K	3K
Wattage	6 kW	3 kW
Overall Size	76 x 76 cm (30" x 30")	76 x 76 cm (30" x 30")
Electrical Requirements ¹	208/230 V, 1 ph, 26/22 A, 50 Hz, 5.4 kW 208/230 V, 1 ph, 29/28 A, 60 Hz, 6.0 kW	208/230 V, 1 ph, 14 A, 50 Hz, 3.2 kW 208/230 V, 1 ph, 16 A, 60 Hz, 3.6 kW
Shipping Weight	157 kg (345 lb)	150 kg (330 lb)

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