



Paragon Professional Series Glass Kilns

Paragon Professional Series glass kilns are painted black to distinguish them from our smaller glass kilns. The largest Professional Series kilns come with deluxe mercury displacement relays, which turn on the heating elements.

Paragon models that heat from the top and sidewalls have power ratio technology, which is part of the digital temperature controller. It allows the kiln owner to adjust the ratio of heat output between top and side/door elements.

Paragon Annealing Kiln Overview

Expand the production capacity of your glass studio with the massive PAF (Paragon Annealing Front Loader) and PAT (Paragon Annealing Top Loader) digital glass kilns. Make glass vases, bowls, and figurines without worrying about having enough annealing capacity.

These kilns are designed for annealing, so the maximum temperature is 1100°F (538°C). You

are buying only the heating capacity you need for annealing.

A mercury relay is standard on the PAF- and PAT-series. The relay sends power to the elements on command from the digital controller. The life of the quiet, reliable mercury relay has been measured in millions of on/off cycles.

Paragon's annealing kilns are made for years of rigorous firing with a heavy 2" tubular steel frame. A heat shield and 1 3/4" air gap between the kiln and ventilated switch box help keep electrical components cool for long, trouble-free service. Turn off power to the controller when the kiln is not in use using an on/off switch on the control panel. Level the kiln in minutes with levers that are built into the feet.



PAF10-1 Annealing Kiln

The PAF10-1 is stackable. As your business grows, add another PAF10-1 without requiring more floor space. The feet of the top kiln fit into the four stacking points of the bottom kiln.

Spring-loaded quick-release door latches allow one-handed loading into the hot kiln. The firing chamber opening is lined on all four sides with a fiber rope door seal. The doors also each have a seal where the doors meet in the center. Each door has a safety switch that turns off the elements when the door is opened. The controller remains powered and automatically resumes firing when you close the doors.

The kiln heats from the sides and back. Dropped, recessed brick grooves protect the elements for long life. The kiln is heavily insulated for economical operation. The insulating firebricks and fiberboard, wrapped in heavy-gauge steel, soak up heat for slow, efficient cooling:

- 4" thick top: 3" firebrick and 1" ceramic fiberboard
- 3" thick doors: 3" ceramic fiberboard
- 4" thick walls: 1" ceramic fiberboard and 3" firebricks
- 4" thick bottom: 1" ceramic fiberboard and 3" firebricks

PAT10-1 Annealing Kiln

The massive lid is easy to lift with Paragon's patented LiteLid, which does away with cumbersome pulleys and cords and dramatically reduces lid weight. Unlike pulleys and weights, the LiteLid is self-contained on the kiln. The LiteLid sharply reduces wear between the lid and top rim of firebrick. The truss and floating lid allow expansion of the lid. The PAT10-1 has two LiteLid assemblies.

The lid includes a 16" front handle and two side handles. A safety switch turns off power to the heating elements when you raise the lid. The controller remains powered and automatically resumes firing when you close the lid.

A fiber rope seal lines the inner lid surface on all four sides. The top of the firing chamber where the lid rests when closed is grooved to accept the rope seal for a tight fit.

You will enjoy the convenience of digital firing. The solid state Sentry Xpress controller continually monitors the firing so you can spend your time productively without closely watching the kiln. The sealed touch pad keeps out dust and is easy to wipe clean.

The kiln heats from the four sides. Dropped, recessed brick grooves protect the elements for long life. The kiln is heavily insulated for economical operation. The insulating firebricks and fiberboard, wrapped in heavy-gauge steel, soak up heat for slow, efficient cooling:

- 4" thick top: 4" ceramic fiberboard
- 4 1/2" thick walls: 2" ceramic fiberboard and 2.5" firebricks
- 4" thick bottom: 1" ceramic fiberboard and 3" firebricks





GL-24ADTSD Glass Fusing Kiln

The kiln heats from the top, three sides and door for unsurpassed heat distribution. It is 15" high inside with room to bend glass for curved windows or cabinet doors and to repair lampshades. Make huge glass-fused platters. Crack the door to drag a rod across the softened glass or to emboss designs in the surface. Explore small-to-medium sized casting and pâte de verre.

Paragon's GL-series are made for years of rigorous firing, as artists all over America can attest. The insulating firebrick, wrapped in heavy-gauge steel, soak up heat for slow, efficient cooling. The thermocouple, which senses temperature inside the kiln, is protected with a high-nickel stainless steel sheath for long life.

Pearl-22 Glass Fusing Kiln

The Pearl-22 top lifts away to give access to the shelf area. Air pistons assist in lifting the top. You can place the Pearl on a table without an extra stand.

The elements in the top are mounted in pinless element grooves. This is one more reason your Pearl-22 will give you hassle-free firing. Enjoy the improved heat distribution of a side element, which is mounted in the top section of the kiln sidewalls.

Electrical components are mounted inside the base of the kilns. Costly heavy-gauge nickel-plated copper wiring is covered with high temperature glass-braided insulation. The thermocouple, which senses temperature inside the kiln, is protected with a high-nickel stainless steel sheath for long life.



F-500 Annealing Kiln

The F-500 has durable insulating firebricks in the roof, walls and floor. The elements are seated in pinless grooves in the roof and dropped, recessed grooves in the walls.

The groove in the top eliminates element pins. The top is coated to reduce dust. Elements are coiled from the finest high-temperature wire available.

The insulating firebrick, wrapped in heavy-gauge steel, soak up heat for slow, efficient cooling. The thermocouple, which senses temperature inside the kiln, is protected with a high-nickel stainless steel sheath for long life. No extra stand is needed; the built-in base stays cool even during extended hold times. A mercury relay is standard on the F-500.

The kiln includes a door safety switch that turns off the element when the door is opened. The controller remains powered and automatically resumes firing when you close the door.

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Paragon Kiln Specifications

Kiln Model	Volts	Max. Temp. °F	Firing Chamber Opening	Depth	Cubic Feet	Approx. Shpg. Weight	Outside Dimensions W. x D. x H.	Amps	Watts	NEMA Config.
F-500	240	1200	24"W x 22 1/4"H	18"	5.5	550	35" x 29" x 38"	29	6,850	6-30R
GL-24ADTSD	240	1700	24"W x 15"H	22 1/2"	4.68	397	40 1/2" x 32" x 29 1/2"	45	10,800	6-50R
PAF10-1	240	1100	35 1/2"W x 27"H	29"	16	757	56" x 46" x 45"	48	11,500	6-50R
PAT10-1	240	1100	26 1/2"W x 35 1/2"H	21"	11.4	657	57" x 49" x 38"	48	11,500	6-50R
Pearl-22	240	1700	22"W x 22" long	13"	3.64	321	32" x 37" x 26"	30	7,200	6-30R