

Ashing Furnaces

PAF Series



PAF series is recommended for heavy ashing applications, where carbon can deposit during the

System Features

- ☐ Standard special design door
- ☐ Standard door safety switch
- ☐ Customized controller option
- ☐ High-quality fiber material
- ☐ High level temperature uniformity
- ☐ Bottom protection, alumina plates on the floor
- ☐ Rugged and durable design

"firing process" from products such as oil, food and plastic.

PAF series, with preheated air inlet system and sideways opening lid is particularly designed for ashing in the laboratory environment.

A special air intake and exhaust system allows air exchange within the furnace. Incoming air is preheated, providing perfect temperature uniformity.

PAF series is equipped with extra quartz protected heating elements, providing a longer service life for the furnace.

Custom designed vertical rotational door keeps the heat and the fumes away from the operator, enabling the furnace to fit in to tighter spaces.

Standard brick design on the outer skirts of the door and the furnace opening provide protection from possible unwanted damages during loading.

- ☐ High quality heating elements
- ☐ Electrical protection
- ☐ Dual skin housing for low external temperatures and high stability
- ☐ Intuitive controller user interface
- ☐ System operation with solid-state-relays

Model	Maximum Temperature (°C)	Continuous Operating Temperature (°C)	Volume (L)	Inside Measurements (cm)			Outside Measurements (cm)			Power (kW)	Phase
				H	W	D	H	W	D		
PAF 110/6	1100	1050	7	14	20	25	65	55	58	2000	1
PAF 110/10	1100	1050	10	20	20	25	72	56	64	3600	1
PAF 110/15	1100	1050	15	23	22	30	72	56	64	3600	1
PAF 110/30	1100	1050	30	28	28	38	79	59	69	6000	3
PAF 110/45	1100	1050	45	30	30	50	82	66	81	7500	3
PAF 110/60	1100	1050	60	30	40	50	80	76	84	9600	3
PAF 120/6	1200	1150	7	14	20	25	65	55	58	2000	1
PAF 120/10	1200	1150	10	20	20	25	72	56	64	3600	1
PAF 120/15	1200	1150	15	23	22	30	72	56	64	3600	1
PAF 120/30	1200	1150	30	28	28	38	79	59	69	6000	3
PAF 120/45	1200	1150	45	30	30	50	82	66	81	7500	3
PAF 120/60	1200	1150	60	30	40	50	80	76	84	9600	3

*For system accessories please check the accessory page for furnaces.

Optional Features

- ☐ Over-temperature limiter for thermal protection
- ☐ Lift door

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PAF series models are particularly designed for Ashing under difficult conditions in laboratory environment. Especially when difficult to ash materials are employed we would particularly recommend the PAF series of furnaces.

The basic difference of this series is the protection of heating elements by Quartz tube application and preheated Air inlet system for better ventilation. Also the lid of this series opens sideways giving the user a better chance to operate the furnace within a fume hood where there is limited space.

As in all of our furnaces double walled structure and safety switch is standard. The same range of controllers can be applied to these furnaces as well, pending Customer choice. Details covering the controllers can be reached at related pages.



Heating Elements with
Quartz Protective Tubing

