

PR SERIES

VERTICAL PANTOGRAPH SIDE DOOR · STURDY DESIGN · BRICK INSULATION (23/26)

High Quality 24/7 Continuous-T° Muffle Furnaces · 1000°C - 1200°C - 1300°C

STANDARD FEATURES

- CE manufactured
- Maximum operating temperature:
1000°C - 1200°C - 1300°C
- Compact and lightweight
- 24/7 continuous work capability
- 4 heating plates with KANTHAL AF
- Low thermal mass insulation
- Built with low density ceramic bricks and ceramic fiber
- Double insulation includes air chamber
- Outer case in painted metal sheet (inox optional)
- Rear ventilation via ceramic chimney
- Ceramic tray included
- Thermocouple type K or S
- Spare parts easily replaceable by end user



FURNACE CONTROLS

- Lower front control panel
- Solid state relay
- General safety switch
- General safety contactor
- **PAD Digital control**
 - PID parameters
 - Non-volatile memory
 - Microprocessor-based temperature controls
 - Alarm

CONTROL OPTIONS

- 1 program / 8 segments programmer
- 4 program / 15 segments programmer
- Programmers up to 64 segments
- Data logger and programmer communication by Ethernet/ RS232

SAFETY SHUT-OFF

- Thermocouple break shut-off
- Turns off upon door opening

ACCESSORIES

- Interchangeable temperature-uniform trays with rim
- Refractory ceramic tray
- Incoloy stainless steel tray
- Smoke chimney
- Forced smoke chimney
- Safety alarm Class II. Over-temperature protection
- Inlet gas entry
- Flow meter box
- and more, ask for our full assortment!

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CHARACTERISTICS

- Reinforced construction, metal case with chrome-phosphatizing base protection and external finish with heat-resistant metal paint.
- Refractory parts engineered to resist extreme temperature changes, and specific ceramic paste types applied according to temperature and work fatigue of each part.
- Heat resistance in refractory insulation of very low thermal conductivity coefficient.
- Pantograph side door allows for a complete clear opening, protecting workers from ceramic block heat radiation. Pressure-adjusted door system, allowing for complete sealing. Half-opened door mode for a quick smoke evacuation. Electrically and thermally isolated door handle.

BASIC ACCESSORIES

- Extraction Chimney: Self-extraction design to eliminate smoke in processes that produce smoke in a considerable amount or when smoke extraction is advisable due to the nature of the process. Chimney outlet connection to a smoke bell or to the exterior by end user.
- Forced air extraction chimney: Specially designed for a forced self-extraction to evacuate smoke fast at resistance in refractory insulation of very low thermal conductivity coefficient.
- Bottom trays: Interchangeable, temperature uniform, with rim to protect against spilling, fusion or adherence of materials.

SPECIFICATIONS

Fully customized solutions by request
We reserve the right to change technical specifications

Reference	Internal Dimension (mm)			External Dimension (mm)			Volume (L)	Power (Kw)	Voltage (V)	Temp Max. °C	Temp Max. Intermittent work °C	Temp Max. Continuous work °C	Weight (Kg)	Thermocouple	Heating Elements	Control Type
	H	W	D	H	W	D										
10PR/200	100	150	200	505	460	560	3	2,2	220	1000	950	900	90	K	4	Digital
10PR/300	150	200	300	700	550	800	9	3,3	220	1000	950	900	98	K	4	Digital
10PR/400	200	280	390	750	600	900	22	5,5	220	1000	950	900	180	K	4	Digital
12PR/200	100	150	200	505	460	560	3	3,3	220	1200	1150	1100	90	K	4	Digital
12PR/300	150	200	300	700	550	800	9	5,5	220 220 III 380 III	1200	1150	1100	98	K	4	Digital
12PR/400	200	280	390	750	600	900	22	8	220 220 III 380 III	1200	1150	1100	180	K	4	Digital
12PR/450	250	280	400	750	600	900	22	8	220 220 III 380 III	1200	1150	1100	180	K	4	Digital
12PR/500	250	350	500	820	700	1000	43	8	220 220 III 380 III	1200	1100	1000	250	K	4	Digital
12PR/600	250	350	600	820	700	1100	52	8	220 220 III	1200	1100	1000	300	K	4	Digital
13PR/200	100	150	200	505	460	560	3	3,3	220	1300	1250	1100	90	S	4	Digital
13PR/300	150	200	300	700	550	800	9	5,5	220 220 III 380 III	1300	1250	1100	98	S	4	Digital
13PR/400	200	280	390	750	600	900	22	8	220 220 III 380 III	1300	1250	1100	180	S	4	Digital
13PR/450	250	280	400	750	600	900	22	8	220 220 III 380 III	1300	1250	1100	180	S	4	Digital