PR SERIES

PANTOGRAPH SIDE DOOR · STURDY DESIGN · CERAMIC FIBER INSULATION (1200/1400, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · from 1000°C to 1400°C

STANDARD FEATURES

- CE manufactured
- Maximum operating temperature:
  1000°C – 1200°C – 1300°C - 1400°C
- Rapid heating
- Compact and lightweight
- 24/7 continuous work capability
- 4 heating plates with KANTHAL AF and APM
- 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

- Ramp programmers up to 64 segments
- Optional:
- Eurotherm EPC Series + Data logger Itools sofware by Ethernet
- Eurotherm Nanodac Series +Data logger and Itools sofware by Ethernet according AMS2750E and 21CFR Part 11

SAFETY SHUT-OFF

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

ACCESSORIES

- Interchangeable temperature-uniform trays with rim
- Refractory, incoloy, SS and ceramic tray
- Forced cooling system
- 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!

CE

PR SERIES

PANTOGRAPH SIDE DOOR · STURDY DESIGN · CERAMIC FIBER INSULATION (1200/1400, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · from 1000°C to 1400°C

CHARACTERISTICS

- Modern design 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.
- Door system adjusted on the furnace frame by pressure, allowing for complete sealing. Electrically and thermally insulated door handle.

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 fastat 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

Model	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Heated Zones	Maximum Temperature ° C	Maximum Temperature ° C limited time	Maximum Temperature Continuous °C	Termo-couple	Control Type	Heating Elements
	High	Wide	Deep	High	Wide	Deep										
10PR200	100	150	200	630	460	650	3	2,5	220	4	1000°C	950°C	900°C	K	R. Prog	Kanthal Wire
10PR300	150	200	300	680	500	780	9	5,5	220	4	1000°C	950°C	900°C	K	R. Prog	Kanthal Wire
10PR400	200	280	400	760	590	850	22	8,8	380 III	4	1000°C	950°C	900°C	K	R. Prog	Kanthal Wire

Model	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Heated Zones	Maximum Temperature ° C	Maximum Temperature ° C limited time	Maximum Temperature Continuous °C	Termo-couple	Control Type	Heating Elements
	High	Wide	Deep	High	Wide	Deep										
12PR200	100	150	200	630	460	650	3	2,5	220	4	1200°C	1150°C	1100°C	K	R. Prog	Kanthal Wire
12PR300	150	200	300	680	500	780	9	5,5	220	4	1200°C	1150°C	1100°C	K	R. Prog	Kanthal Wire
12PR350	150	200	400	680	500	850	12	5,5	220	4	1200°C	1150°C	1100°C	K	R. Prog	Kanthal Wire
12PR375	250	280	300	760	590	750	21	5,5	220	4	1200°C	1150°C	1100°C	K	R. Prog	Kanthal Wire
12PR400	200	280	400	760	590	850	22	8,8	380 III	4	1200°C	1150°C	1100°C	K	R. Prog	Kanthal Wire
12PR450	250	280	400	760	590	880	28	8,8	380 III	4	1200°C	1150°C	1100°C	K	R. Prog	Kanthal Wire
12PR500	250	350	500	805	640	990	43	13	380 III	4	1200°C	1150°C	1100°C	K	R. Prog	Kanthal Wire
12PR600	250	350	600	805	640	1090	52	13	380 III	4	1200°C	1150°C	1100°C	K	R. Prog	Kanthal Wire

Model	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Heated Zones	Maximum Temperature ° C	Maximum Temperature ° C limited time	Maximum Temperature Continuous °C	Termo-couple	Control Type	Heating Elements
	High	Wide	Deep	High	Wide	Deep										
13PR200	100	150	200	630	460	650	3	2,5	220	4	1300°C	1250°C	1200°C	S	R. Prog	Kanthal Wire
13PR300	150	200	300	680	500	780	9	2,5	220	4	1300°C	1250°C	1200°C	S	R. Prog	Kanthal Wire
13PR350	150	200	400	680	500	850	12	5,5	220	4	1300°C	1250°C	1200°C	S	R. Prog	Kanthal Wire
13PR375	250	280	300	760	590	750	21	5,5	220	4	1300°C	1250°C	1200°C	S	R. Prog	Kanthal Wire
13PR400	200	280	400	760	590	850	22	8,8	380 III	4	1300°C	1250°C	1200°C	S	R. Prog	Kanthal Wire
13PR450	250	280	400	760	590	880	28	8,8	380 III	4	1300°C	1250°C	1200°C	S	R. Prog	Kanthal Wire
13PR500	250	350	500	805	640	990	43	13	380 III	4	1300°C	1250°C	1200°C	S	R. Prog	Kanthal Wire
13PR600	250	350	600	805	640	1090	52	13	380 III	4	1300°C	1250°C	1200°C	S	R. Prog	Kanthal Wire

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	High	Wide	Deep	High	Wide	Deep										
14PR200	100	150	200	630	460	650	3	2,5	220	4	1400°C	1350°C	1300°C	S	R. Prog	Kanthal Wire
14PR300	150	200	300	680	500	780	9	2,5	220	4	1400°C	1350°C	1300°C	S	R. Prog	Kanthal Wire
14PR350	150	200	400	680	500	850	12	5,5	220	4	1400°C	1350°C	1300°C	S	R. Prog	Kanthal Wire
14PR375	250	280	300	760	590	750	21	5,5	220	4	1400°C	1350°C	1300°C	S	R. Prog	Kanthal Wire
14PR400	200	280	400	760	590	850	22	8,8	380 III	4	1400°C	1350°C	1300°C	S	R. Prog	Kanthal Wire
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