

# XG SERIES

VERTICAL PARALLEL LIFT DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1900, 300/400)

**High Quality 24/7 Continuous-T° Muffle Furnaces · From 1650°C up to 1900°C**

## STANDARD FEATURES

- CE manufactured
- Maximum operating temperature:  
1650°C - 1800°C - 1900°C
- Rapid heating
- Compact and lightweight
- 24/7 continuous work capability
- Heated by Kanthal Super 1800 and 1900 (MoSi2)
- 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 S and B
- 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

- Programmers up to 64 segments
- Eurotherm EPC Series 10 progs / 25 segments - Data logger and programmer communication tools by Ethernet (Optional)
- Eurotherm Nanodac - Data logger and programmer communication tools by Ethernet according AMS2750E and 21CFR Part 11 (Optional)

## 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!



XG3+ automatic Gas supply system controlled by Eurotherm EPC3016 + Itools software



# XG SERIES

VERTICAL PARALLEL LIFT DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1900, 300/400)

**High Quality 24/7 Continuous-T° Muffle Furnaces · From 1600°C up to 1900°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 fast.
- Bottom trays: Interchangeable, temperature uniform, with rim to protect against spilling, fusion or adherence of materials.

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

## SPECIFICATIONS

Model	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Maximum Temperature °C	Maximum Temperature °C limited time	Maximum Temperature Continuous °C	Termo- couple	Control Type	Heating Elements
	High	Wide	Depth	High	Wide	Depth									
<b>XG3/16</b>	150	150	150	750	480	590	3	4	220	1650	1600	1550	S	R. Prog	Kantal Super1800
<b>XG6/16</b>	150	200	200	750	530	660	6	6	220	1650	1600	1550	S	R. Prog	Kantal Super1800
<b>XG8/16</b>	200	200	200	845	525	660	8	8	220	1650	1600	1550	S	R. Prog	Kantal Super1800
<b>XG12/16</b>	200	200	300	800	525	700	12	10	220	1650	1600	1550	S	R. Prog	Kantal Super1800
<b>XG15/16</b>	250	250	250	975	575	700	15	10	220	1650	1600	1550	S	R. Prog	Kantal Super1800
<b>XG22/16</b>	250	300	300	975	625	750	22	12	380V III	1650	1600	1550	S	R. Prog	Kantal Super1800
<b>XG30/16</b>	300	300	300	1025	625	750	30	15	380V III	1650	1600	1550	S	R. Prog	Kantal Super1800

Model	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Maximum Temperature °C	Maximum Temperature °C limited time	Maximum Temperature Continuous °C	Termo- couple	Control Type	Heating Elements
	High	Wide	Depth	High	Wide	Depth									
<b>XG3/18</b>	150	150	150	750	480	590	3	4	220	1800	1750	1700	B	R. Prog	Kantal Super1800
<b>XG6/18</b>	150	200	200	750	530	660	6	6	220	1800	1750	1700	B	R. Prog	Kantal Super1800
<b>XG8/18</b>	200	200	200	845	525	660	8	8	220	1800	1750	1700	B	R. Prog	Kantal Super1800
<b>XG12/18</b>	200	200	300	800	525	700	12	10	220	1800	1750	1700	B	R. Prog	Kantal Super1800
<b>XG15/18</b>	250	250	250	975	575	700	15	10	220	1800	1750	1700	B	R. Prog	Kantal Super1800
<b>XG22/18</b>	250	300	300	975	625	750	22	12	380V III	1800	1750	1700	B	R. Prog	Kantal Super1800
<b>XG30/18</b>	300	300	300	1025	625	750	30	15	380V III	1800	1750	1700	B	R. Prog	Kantal Super1800

Model	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Maximum Temperature °C	Maximum Temperature °C limited time	Maximum Temperature Continuous °C	Termo- couple	Control Type	Heating Elements
	High	Wide	Depth	High	Wide	Depth									
<b>XG3/19</b>	150	150	150	750	480	590	3	4	220	1900	1850	1800	B	R. Prog	Kantal Super1900
<b>XG6/19</b>	150	200	200	750	530	660	6	6	220	1900	1850	1800	B	R. Prog	Kantal Super1900
<b>XG8/19</b>	200	200	200	845	525	660	8	8	220	1900	1850	1800	B	R. Prog	Kantal Super1900
<b>XG12/19</b>	200	200	300	800	525	700	12	10	220	1900	1850	1800	B	R. Prog	Kantal Super1900
<b>XG15/19</b>	250	250	250	975	575	700	15	10	220	1900	1850	1800	B	R. Prog	Kantal Super1900
<b>XG22/19</b>	250	300	300	975	625	750	22	12	380V III	1900	1850	1800	B	R. Prog	Kantal Super1900
<b>XG30/19</b>	300	300	300	1025	625	750	30	15	380V III	1900	1850	1800	B	R. Prog	Kantal Super1900