

# HD SERIES

DROP DOWN & SIDE SWING DOOR · BRICK INSULATION (23)

**Flex Muffle Furnaces · 1000°C - 1200°C**

## STANDARD FEATURES

- CE manufactured
- Affordable basic line
- Maximum temperature 1200°C
- Compact and lightweight
- Designed for occasional intermittent work
- 2 or 3 heating plates with KANTHAL AF
- Double low thermal mass insulation
- Built with low density ceramic 23/26 bricks and ceramic fiber
- Outer case in painted metal sheet (inox optional)
- Ceramic chimney
- Thermocouple type K
- Spare parts easily replaceable by end user

## CHAMBER OPTIONS

- Fiber insulation by request

## FURNACE CONTROLS

- Lower front or lateral control panel
- Solid state relay
- **PA Analogical control**

**OR**

- **PAD Digital control**
  - PID parameters
  - Non-volatile memory
  - Microprocessor
  - Alarm

## DIGITAL 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

## 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!



# HD SERIES

DROP DOWN & SIDE SWING DOOR · BRICK INSULATION (23)

## Flex Muffle Furnaces · 1000°C - 1200°C

### CHARACTERISTICS

- Metal case with chrome-phosphatizing base protection and external finish with heat-resistant metal paint.
- Easy loading drop down or side swing door closes hermetically, brick on brick.

### CONTROLS OPTIONS

- **"PA" CONTROL:** analog temperature adjustment.

OR

- **"PAD" CONTROL:** Allows for automatic temperature control and adjustment through an automatic digital adjusting pyrometer, such that temperature and temperature rise speed and inertia can be monitored at any time.

### 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 Zones	Heating Elements	Control Type
	H	W	D	H	W	D											
HD150 PAD	80	130	150	430	300	330	16	1.7	220	1200	1100	---	30	K	3	Kanthal	Digital
HD150 PA	80	130	150	430	300	330	1.6	1.7	220	1200	1100	---	30	K	3	Kanthal	Analog
HD230 PAD	160	200	240	490	430	450	7.6	3.8	220	1200	1100	---	45	K	3	Kanthal	Digital
HD230 PA	160	200	240	490	430	450	7.6	3.8	220	1200	1100	---	45	K	3	Kanthal	Analog
HD330 PAD	230	260	300	600	600	600	18	4.5	220	1200	1100	---	60	K	3	Kanthal	Digital
HD330 PA	230	260	300	600	600	600	18	4.5	220	1200	1100	---	60	K	3	Kanthal	Analog
HD430 PAD	260	310	300	650	650	600	24	4.5	220	1200	1100	---	75	K	3	Kanthal	Digital
HD430 PA	260	310	300	650	650	600	24	4.5	220	1200	1100	---	75	K	3	Kanthal	Analog
HD530 PAD	260	310	300	650	650	600	28	4.5	220	1200	1100	---	100	K	3	Kanthal	Digital
HD530 PA	300	310	300	700	750	600	28	4.5	220	1200	1100	---	100	K	3	Kanthal	Analog