KRIVALIS™

HIGH TEMPERATURE FURNACES CATALOGUE

Laboratory & Industrial Furnaces

1200 C to 1700 C - chamber, tube, rotary, CVD, vacuum and bottom-loading furnaces for sintering, calcination and heat treatment.

2026-27 EDITION | KRIVA LAB INSTRUMENTS

100+	120+	98%
CLIENTS	COUNTRIES	SATISFACTION

Laboratory and industrial furnaces from 1200 C to 1700 C with HRE, SiC and MoSi2 elements, single to three-zone control and atmosphere options. - 25 catalogue items, 1 platforms.

Laboratory Equipment for Tomorrow's Science

Pressure. Temperature. Flow.

A division of Kriva Medical & Lab Instruments - Mumbai, India

www.krivalis.com

Who we are

Krivalis - a division of Kriva Medical & Lab Instruments, Mumbai - supplies laboratory, analytical and process equipment to universities, research institutes, chemical, pharmaceutical, oil & gas and manufacturing companies in more than 120 countries.

Laboratory furnaces for sintering, annealing, calcination, ashing, heat treatment and materials research: chamber and muffle furnaces, split and rotary tube furnaces, CVD/PECVD tube furnaces, vacuum and atmosphere furnaces and bottom-loading models, from 1200 C to 1700 C with HRE, SiC or MoSi2 elements.

This catalogue covers the High Temperature Furnaces portfolio: 25 catalogue items, each with its technical specification, typical applications and the information our engineers need to configure a system for your process.

WHY CHOOSE KRIVALIS

QC covered
Stringent quality control at every stage, from fabrication to factory acceptance testing.
Application-first
Pressure, temperature, chemistry, volume and utilities are reviewed before anything is quoted.
Global reach
Serving customers in 120+ countries through a dealer and logistics network.
Innovation-driven
Continuous development of reactor, furnace and flow platforms.

CERTIFICATIONS & ACCREDITATIONS

ATEX / IECEx certification | ASME design | CE / U-stamp marking | FDA registered equipment | GMP compliant - pharma

TRUSTED BY RESEARCH AND INDUSTRY

NASA | BITS Pilani | IIT Jodhpur | TIFR | SABIC | Halliburton

TALK TO A SPECIALIST

Every system is factory-tested, and configurations are customised without compromising safety. Send your application, operating pressure and temperature, volume and utilities to sales@krivalis.com, or call +91-74000-43303, and our engineering team will respond with a technical proposal.

Catalog index

Capacity, pressure and temperature ranges as published on www.krivalis.com. Use the reference code (for example KR-248) when requesting a quotation.

HIGH TEMPERATURE FURNACES

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Specifications are typical and can be customised to your process. Price and lead time on request.

HIGH TEMPERATURE FURNACES REF KR-248

Chamber Muffle Furnace - 1200°C

Chamber Muffle Furnace - 1200°C delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1200°C
Continuous Operating Temp	1100°C
Chamber Volume Range	1L to 30L (custom sizes available)
Heating Element	High?grade HRE resistance wire
Chamber Material	Vacuum?formed alumina ceramic fiber
Temperature Precision	±1°C
Thermocouple	N type
Controller	Microprocessor PID (32 segments, programmable)
Heating Rate	<=25°C/min (recommended 15-20°C/min)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-248 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-249

Chamber Muffle Furnace - 1400°C

Chamber Muffle Furnace - 1400°C delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1400°C
Continuous Operating Temp	1300°C
Chamber Volume Range	3L to 36L (custom sizes available)
Heating Element	Silicon Carbide (SiC) rods
Chamber Material	1500?grade alumina ceramic fiber
Temperature Precision	±1°C
Thermocouple	S type
Controller	Microprocessor PID (32 segments, programmable)
Heating Rate	<=25°C/min (recommended 15°C/min)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-249 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-250

Chamber Muffle Furnace - 1700°C

Chamber Muffle Furnace - 1700°C delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1700°C
Continuous Operating Temp	1600°C
Chamber Volume Range	1L to 36L (custom sizes available)
Heating Element	Molybdenum Disilicide (MoSi2) rods
Chamber Material	1800?grade alumina ceramic fiber
Temperature Precision	±1°C
Thermocouple	B type
Controller	Microprocessor PID (30 segments, programmable)
Heating Rate	<=15°C/min (recommended 10°C/min)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-250 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-251

Single Zone Tube Furnace - 1200°C (Split Type)

Single Zone Tube Furnace - 1200°C (Split Type) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1200°C
Continuous Operating Temp	1100°C
Tube Diameter Options	25mm, 40mm, 60mm, 80mm, 100mm, 120mm (custom)
Heating Zone Length	300mm (standard)
Heating Element	HRE resistance wire
Chamber Material	1500?grade alumina ceramic fiber
Temperature Precision	±1°C
Thermocouple	N type
Controller	Microprocessor PID (32 segments, programmable)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-251 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES

REF KR-252

Single Zone Tube Furnace - 1400°C (Non Split Type)

Single Zone Tube Furnace - 1400°C (Non Split Type) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1400°C
Continuous Operating Temp	1300°C
Tube Diameter Options	40mm, 60mm, 80mm, 100mm (custom)
Heating Zone Length	300mm (standard)
Heating Element	Silicon Carbide (SiC) rods
Chamber Material	1500?grade alumina ceramic fiber
Temperature Precision	±1°C
Thermocouple	S type
Controller	Microprocessor PID (32 segments, programmable)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-252 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-253

Single Zone Tube Furnace - 1700°C (Non?Split Type)

Single Zone Tube Furnace - 1700°C (Non?Split Type) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1700°C
Continuous Operating Temp	1600°C
Tube Diameter Options	40mm, 60mm, 80mm (custom)
Heating Zone Length	300mm (standard)
Heating Element	Molybdenum Disilicide (MoSi2) rods
Chamber Material	1800?grade alumina ceramic fiber
Temperature Precision	±1°C
Thermocouple	B type
Controller	Microprocessor PID (30 segments, programmable)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-253 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-254

Dual Zone Tube Furnace

Dual Zone Tube Furnace delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Heating Zone Length	300 + 300 = 600mm (standard)
Tube Material	Quartz (<=1200°C) or Alumina (>1200°C)
Tube Diameter	40-100mm (custom)
Heating Element	HRE, SiC, or MoSi2 (depending on temp)
Chamber Material	Alumina ceramic fiber
Temperature Precision	±1°C per zone
Controller	Dual independent PID controllers (32 segments each)
Heating Rate	<=25°C/min (recommended 15°C/min)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-254 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-255

Three Zone Tube Furnace

Three Zone Tube Furnace delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Heating Zone Length	300+300+300 = 900mm (standard)
Tube Material	Quartz (<=1200°C) or Alumina (>1200°C)
Tube Diameter	40-100mm (custom)
Heating Element	HRE, SiC, or MoSi2
Chamber Material	Alumina ceramic fiber
Temperature Precision	±1°C per zone
Controller	Triple independent PID controllers (32 segments each)
Heating Rate	<=25°C/min

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-255 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-256

Vertical Tube Furnace

Vertical Tube Furnace delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Heating Zone Length	300mm (standard)
Tube Diameter	40-100mm (custom)
Tube Material	Quartz (<=1200°C) or Alumina (>1200°C)
Heating Element	HRE, SiC, or MoSi2
Chamber Material	Alumina ceramic fiber
Temperature Precision	±1°C
Controller	Microprocessor PID (32 segments, programmable)
Heating Rate	<=25°C/min

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-256 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-257

CVD Tube Furnace (1200°C)

CVD Tube Furnace (1200°C) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1200°C
Continuous Operating Temp	1100°C
Tube Diameter	25-120mm (custom)
Heating Zone Length	300mm (standard)
Heating Element	HRE resistance wire
Chamber Material	1500?grade alumina ceramic fiber
Temperature Precision	±1°C
Thermocouple	N type
Controller	Microprocessor PID (32 segments, programmable)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-257 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-258

Rotary Tube Furnace (1200°C)

Rotary Tube Furnace (1200°C) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1200°C
Continuous Operating Temp	1100°C
Tube Diameter	40-200mm (custom)
Tube Length	1000-1200mm
Rotation Speed	<=15 RPM (reversible)
Tilt Angle	0-30° (optional)
Heating Element	HRE resistance wire
Chamber Material	Alumina ceramic fiber
Temperature Precision	±1°C

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-258 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-259

PECVD Tube Furnace (1200°C)

PECVD Tube Furnace (1200°C) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1200°C
Continuous Operating Temp	1100°C
Tube Diameter	40-100mm (custom)
Heating Zone Length	300mm or 440mm
RF Power	5-500W, 13.56 MHz ±0.005%
Gas Control	3?channel float or mass flow meters (optional)
Vacuum Capability	<=5 Pa
Heating Element	HRE resistance wire
Chamber Material	Alumina ceramic fiber

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-259 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-260

Bottom Loading Furnace (Small)

Bottom Loading Furnace (Small) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Chamber Diameter Options	120mm, 150mm, 200mm, 300mm
Chamber Height	120-300mm (custom)
Heating Element	HRE, SiC, or MoSi2 (depending on temp)
Chamber Material	Alumina ceramic fiber
Temperature Precision	±1°C
Lifting Mechanism	Manual or electric (optional)
Controller	LCD touch screen PID (programmable)
Power Supply	220V or 380V (2-8KW)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-260 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-261

Bottom Loading Furnace (Large)

Bottom Loading Furnace (Large) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Chamber Volume Range	96L to 1200L (custom)
Chamber Dimensions	400×600×400mm up to 1000×1200×1000mm
Heating Element	HRE wire, SiC, or MoSi2
Chamber Material	Ceramic fiber or refractory brick
Temperature Precision	±1°C
Controller	Microprocessor PID (32 segments, programmable)
Lifting Mechanism	Electric lift with track
Power Supply	380V (varies)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-261 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-262

Vacuum Atmosphere Chamber Furnace - 1200°C

Vacuum Atmosphere Chamber Furnace - 1200°C delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1200°C
Continuous Operating Temp	1100°C
Chamber Volume Range	3L to 30L (custom)
Heating Element	HRE resistance wire
Chamber Material	Alumina ceramic fiber
Vacuum Degree	<=5 Pa (with optional pump)
Temperature Precision	±1°C
Thermocouple	N type
Controller	Microprocessor PID (32 segments, programmable)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-262 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-263

Vacuum Atmosphere Chamber Furnace - 1400°C

Vacuum Atmosphere Chamber Furnace - 1400°C delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1400°C
Continuous Operating Temp	1300°C
Chamber Volume Range	3L to 45L (custom)
Heating Element	SiC rods
Chamber Material	Alumina ceramic fiber
Vacuum Degree	<=5 Pa (with optional pump)
Temperature Precision	±1°C
Thermocouple	S type
Controller	Microprocessor PID (32 segments, programmable)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-263 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-264

Vacuum Atmosphere Chamber Furnace - 1700°C

Vacuum Atmosphere Chamber Furnace - 1700°C delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	1700°C
Continuous Operating Temp	1600°C
Chamber Volume Range	3L to 36L (custom)
Heating Element	MoSi2 rods
Chamber Material	Alumina ceramic fiber
Vacuum Degree	<=5 Pa (with optional pump)
Temperature Precision	±1°C
Thermocouple	B type
Controller	Microprocessor PID (30 segments, programmable)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-264 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-265

Low Vacuum Atmosphere Furnace

Low Vacuum Atmosphere Furnace delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Chamber Volume Range	8L to 64L (custom)
Heating Element	HRE, SiC, or MoSi2 (depending on temp)
Chamber Material	Alumina ceramic fiber
Vacuum Degree	<=20,000 Pa
Temperature Precision	±1°C
Thermocouple	N, S, or B type
Controller	Microprocessor PID (programmable)
Gas System	Inlet/outlet ports, vacuum port

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-265 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-266

Industrial Box Furnace (Small)

Industrial Box Furnace (Small) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Chamber Volume Range	36L to 150L (custom)
Heating Element	HRE wire, SiC, or MoSi2
Chamber Material	Alumina ceramic fiber
Temperature Precision	±1°C
Thermocouple	N, S, or B type
Controller	Microprocessor PID (32 segments, programmable)
Heating Rate	<=25°C/min (recommended 15°C/min)
Power Supply	380V (12-20KW)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

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Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-266 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-267

Industrial Box Furnace (Large)

Industrial Box Furnace (Large) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Chamber Volume Range	150L to 2200L (custom)
Heating Element	HRE wire/band, SiC, or MoSi2
Chamber Material	Refractory brick or ceramic fiber
Temperature Precision	±1°C
Heating Sides	Three or five sides (optional)
Controller	Microprocessor PID (32 segments, programmable)
Power Supply	380V (varies)
Door	Electric lift upwards

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

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HIGH TEMPERATURE FURNACES REF KR-268

Hot Air Circulation Furnace

Hot Air Circulation Furnace delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Max Temperature	850°C
Continuous Operating Temp	750°C
Chamber Volume Range	96L to 2160L (custom)
Heating Element	HRE resistance wire
Chamber Material	Lightweight mullite brick or ceramic fiber
Temperature Precision	±1°C
Controller	Microprocessor PID (32 segments, programmable)
Air Circulation	Top?mounted fan with stainless steel deflector
Heating Rate	<=25°C/min (recommended 15°C/min)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

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HIGH TEMPERATURE FURNACES REF KR-269

Manual Trolley Furnace

Manual Trolley Furnace delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Chamber Volume Range	150L to 2200L (custom)
Heating Element	HRE wire/band, SiC, or MoSi2
Chamber Material	Ceramic fiber or refractory brick
Temperature Precision	±1°C
Trolley	Manual pull?out with steering wheels
Heating Sides	Five sides for uniformity
Controller	Microprocessor PID (32 segments, programmable)
Power Supply	380V

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

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HIGH TEMPERATURE FURNACES REF KR-270

Bogie Hearth Furnace

Bogie Hearth Furnace delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Options	1200°C, 1400°C, 1700°C (selectable)
Chamber Volume Range	96L to 2160L (custom)
Heating Element	HRE wire/band, SiC, or MoSi2
Chamber Material	Refractory brick or ceramic fiber
Temperature Precision	±1°C
Trolley	Motorised car bottom with track
Heating Sides	Bottom + sides for uniformity
Controller	Microprocessor PID (32 segments, programmable)
Power Supply	380V

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

ORDERING INFORMATION

Quote the reference KR-270 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/furnace

HIGH TEMPERATURE FURNACES REF KR-271

Continuous Mesh Belt Heat Treatment Furnace

Continuous Mesh Belt Heat Treatment Furnace delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Range	Up to 600°C (standard)
Belt Width	Customisable
Heating Zones	Multiple zones with independent control
Heating Element	HRE resistance wire
Chamber Material	Refractory brick or ceramic fiber
Temperature Precision	±1°C
Belt Speed	Frequency?controlled stepless adjustment
Controller	Microprocessor PID (programmable)
Cooling	Slow cooling section (optional)

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

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HIGH TEMPERATURE FURNACES REF KR-272

Custom Laboratory Furnace (OEM)

Custom Laboratory Furnace (OEM) delivers programmable thermal processing for heat treatment, calcination, sintering, and research.



TECHNICAL SPECIFICATIONS

Temperature Range	Up to 1800°C (custom)
Chamber Size	Fully customisable
Heating Element	HRE, SiC, or MoSi2 (selectable)
Chamber Material	Ceramic fiber or refractory brick
Atmosphere	Air, vacuum, or inert gas
Controller	Microprocessor PID with optional PC connectivity
Safety	Overheat and thermocouple?break alarm
Certifications	CE, ISO9001, SGS

APPLICATIONS

Calcination - Sintering - Annealing - Heat treatment - Ceramics - Battery materials

INDUSTRIES

Materials - Metals - Ceramics - Batteries - Pharmaceuticals - Academia

TYPICAL USE CASES

Powder processing - Catalyst treatment - Thermal cycling - Materials development

ADVANTAGES

Programmable temperature control and configurable heating versus basic laboratory furnaces

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How to specify and order

The fastest route to a usable quotation is a short, specific enquiry. The checklist below is what our engineers ask before proposing a configuration.

WHAT TO SPECIFY

- Maximum process temperature and the hold time at that temperature.
- Usable chamber volume and the largest sample or crucible to be loaded.
- Atmosphere: air, inert gas, reducing gas, vacuum or a combination.
- Heating and cooling rate the process requires, and uniformity across the zone.
- Controller type, programming segments and data logging needs.
- Exhaust, ventilation, heat rejection and floor loading at the installation point.

DOCUMENTATION AND SUPPORT

- Test certificates, material traceability and calibration records with the equipment.
- Installation, commissioning and operator training through Krivalis or the local dealer.
- Spare parts, seals and consumables held for the life of the equipment.
- Service support by phone, email and remote access, with on-site visits where required.

CONTACT

Email	sales@krivalis.com
Phone	+91-74000-43303
Website	www.krivalis.com
Address	2306, T3, Runwal, LBS Marg, Kanjurmarg West, Mumbai 400078, India
Legal entity	Kriva Medical & Lab Instruments, Mumbai, India

Krivalis supplies laboratory, analytical and process equipment to research laboratories, universities, pharmaceutical companies and industry in more than 120 countries. Product brochures, buying guides and specifications are available at www.krivalis.com.