

Печи муфельные, вакуумные CARL ROTH

Технические характеристики

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Сургут (3462)77-98-35
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47



Muffle furnace



Laboratory ovens ELF series

Carbolite Gero.

For temperatures up to 1100 °C.

- General-diffuse heating coils on both side walls
- Furnace chamber comprising vacuum formed fibre insulation
- With abrasion-resistant base plate
- Double-walled housing for low ambient temperatures
- Short heating-up times of approx. 35 min
- Vent (Ø 30 mm)
- Forward hinged door
- PID thermostat with digital display (target/actual temperature display)
- Input of a temperature control profile with 2 segments (heating rate and hold time) using the timer function
- Built-in timer function (runtime: 99 h and 59 min)
- The timer can be operated in 5 different modes, e.g. the timer waits until the set temperature is reached, then begins to count down and on expiration shuts off the heater.
- **Please pay attention to supply voltages**

Technical specifications:

Art. No.	HY65.1	XK56.1	XK57.1
Type	ELF 11/6b	ELF 11/14b	ELF 11/23
Vol.	6 l	14 l	23 l
Max. temperature	1,100 °C		
Inner width	180 mm	220 mm	255 mm
Inner height	165 mm	210 mm	235 mm
Inner depth	200 mm	300 mm	400 mm
Outer width	410 mm	450 mm	505 mm
Outer height	580 mm	630 mm	715 mm
Outer depth	420 mm	520 mm	660 mm
Power consumption	2,000 W	3,000 W	6,100 W
Weight	20 kg	31 kg	52 kg
Mains connection	230 V, single-phase, 50 Hz with shock-proof plug, 16 A fuse		230 V, two-phase, 50 Hz with 16 A CEE plug, 16 A fuse per phase

Type	Vol. (l)	Art. No.	Pack Qty.
ELF 11/6b	6	HY65.1	1 unit(s)
ELF 11/14b	14	XK56.1	1 unit(s)
ELF 11/23	23	XK57.1	1 unit(s)

Muffle/ashing furnaces AAF series

Carbolite Gero.

For temperatures up to 1100 °C.

- Ceramic muffles heated from 4 sides for good temperature homogeneity (AAF 11/3 and AAF 11/7), AAF 11/18 model is heated from 2 sides with covered heating elements
- Parallel swing-up doors
- Hot door insulation is always facing away from the user
- Vacuum-formed fibre insulation
- Heating-up time: approx. 100 min
- Preheated air intake for optimal temperature distribution
- Air exchange rate: approx. 5 to 6 air changes per minute
- Exhaust outlet with vent (Ø 50 mm)
- With door contact switch
- PID thermostat with digital display (target/actual temperature display)
- Input of a temperature control profile with 2 segments (heating rate and hold time) using the timer function
- Built-in timer function (runtime: 99 h and 59 min)
- The timer can be operated in 5 different modes, e.g. the timer waits until the set temperature is reached, then begins to count down and on expiration shuts off the heater.
- **Please pay attention to supply voltages**

Technical specifications:

Art. No.	HY89.1	XK54.1	XK55.1
Type	AAF 11/3	AAF 11/7	AAF 11/18
Vol.	3.0 l	6.9 l	18.4 l
Max. temperature	1,100 °C		
Inner width	150 mm	170 mm	196 mm
Inner height	90 mm		235 mm
Inner depth	250 mm	455 mm	400 mm
Outer width	375 mm	430 mm	505 mm
Outer height	585 mm	650 mm	705 mm
Outer depth	485 mm	740 mm	675 mm
Power consumption	2,100 W	3,900 W	7,250 W
Weight	22 kg	63 kg	70 kg
Mains connection	230 V, single-phase, 50 Hz with shock-proof plug, 16 A fuse	230 V, two-phase, 50 Hz with 16 A CEE plug, 16 A fuse per phase	230 V, three-phase, 50 Hz with 16 A CEE plug, 16 A fuse per phase

Delivery incl. inconel bottom trays with handle (AAF 11/3 and AAF 11/7) or Inconel rack with handle for loading with samples on two levels (AAF 11/18).

Type	Vol. (l)	Art. No.	Pack Qty.
AAF 11/3	3.0	HY89.1	1 unit(s)
AAF 11/7	6.9	XK54.1	1 unit(s)
AAF 11/18	18.4	XK55.1	1 unit(s)

Vacuum ovens



Vacuum drying cabinet VT series

Thermo.

Areas of application: Pharmacy, biochemistry, cosmetics industry and electronics industry. Ideally suited for gentle and rapid drying and for thermal treatment of temperature-sensitive or easily decomposable substances and electronic components. Drying in the vacuum ensures sensitive samples are at no risk of contamination by particulate matter and the oxidation risk is lower.

General features of all models:

- **Operating temperature from 15 °C above room temperature to +200 °C**
- Max. spatial temperature deviation: ± 4 °C (at 200 °C)
- Analogue pressure display
- **Possible ultimate vacuum: 0.01 mbar**
- With internal container made of corrosion-resistant, electropolished stainless steel (1.4571)
- Double-layer safety glass in the door window
- Microprocessor-controlled thermostat
- Digital temperature display
- Shell heating
- Temperature limiter (Protection Class 2 according to DIN 12880)
- In-house vacuum or a vacuum pump is required for operation. Please order the vacuum connection set separately.

Technical specifications:

Art. No.	ATN9.1	Y718.1
Type	VT 6025 Comfort	VT 6025 Standard
Version	With inert gas connection	Without inert gas connection
Vol.	25 l	
Inner width	300 mm	
Inner depth	307 mm	
Inner height	275 mm	
Outer width	480 mm	
Outer depth	450 mm	
Outer height	600 mm	
Max. removable shelves	4	
Rated power	1,300 W	
Connection	Hose nozzle \varnothing 20 mm for vacuum	
Weight	58 kg	
Mains connection	230 V, 50/60 Hz	

Delivery incl. 2 removable shelves. Please note: Additional transport costs apply for delivery to the place of use. We will be happy to inform you of these on request.

VT 6025 Standard

Type	Version	Art. No.	Pack Qty.
VT 6025 Standard	Without inert gas connection	Y718.1	1 unit(s)

VT 6025 Comfort

Inert gas connection (OD \varnothing 4 mm) with precision valve and over-pressure relief valve for precise discharge of non-flammable, non-toxic gases (VDI 20465).

Type	Version	Art. No.	Pack Qty.
VT 6025 Comfort	With inert gas connection	ATN9.1	1 unit(s)

Accessories for VT series vacuum drying cabinets

Thermo.

Vacuum connection set

For connection to a vacuum pump for hose with ID 10 mm

Designation	Art. No.	Pack Qty.	€
Vacuum connection set	Y720.1	1 unit(s)	239,00

Additional tray

Designation	Art. No.	Pack Qty.	€
Additional tray	Y719.1	1 unit(s)	172,00



Vacuum drying cabinet VD series

Binder.

Fast, gentle drying of temperature-sensitive samples.

- **Operating temperature range from 10 °C above room temperature to 220 °C**
- Vacuum adjustable in the range 10 to 1100 mbar (end vacuum 0.01 mbar)
- Controller with digital display of pressure and temperature
- Drying process monitoring with automatic aeration at process end
- Internal data logger, measured values in open format readable via USB (approx. 100,000 entries possible, choice of save interval from 1 to 60 minutes)
- USB and Ethernet interface
- Universal aeration, for use with inert gas or ambient air
- Safety glass
- In-house vacuum or a vacuum pump is required for operation

Technical specifications:

Art. No.	1C6E.1	1C6H.1
Type	VD 23	VD 56
Vol.	24 l	55 l
Inner width	285 mm	400 mm
Inner depth	295 mm	343 mm
Inner height	285 mm	400 mm
Outer width	523 mm	638 mm
Outer depth	413 mm	461 mm
Outer height	698 mm	815 mm
Spatial temp. deviation	± 1 K	$\pm 1,5$ K
Temporal temp. variance	$\pm 0,1$ K	
Rated power	900 W	1,400 W
Connection	Vacuum with small flange 16 DN mm, Inert gas with flow limiter 3/8 RP"	
Weight	64 kg	95 kg
Mains connection	200–230 V, 50/60 Hz	

Delivery incl. 1 aluminium insert/expansion rack. Please order vacuum connection set for pumps separately.

Type	Art. No.	Pack Qty.
VD 23	1C6E.1	1 unit(s)
VD 56	1C6H.1	1 unit(s)

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Сургут (3462)77-98-35
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47