FALC
LABORATORY EQUIPMENT

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HEATERS

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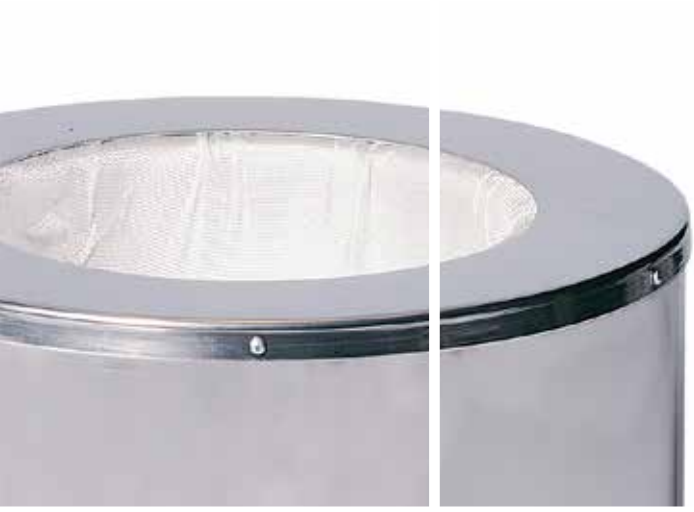


HEATERS

HEATERS

Aluminium hotplate for industrial application

JOLLY 1

JOLLY 2

- Ideal for protract operations
- Large aluminium plate ensures uniformity of temperature
- Double structure allows better insulation and prevents deformation of the plate
- Security system: The plate heater is separated from controls and ensures maximum safety
- **JOLLY 1**: The control and regulation of the temperature is done by a thermostat with graduated scale in ºC and expansion probe.
  JOLLY2: The temperature is controlled by a PID microprocessor and PT100 probe

ACCESSORIES

18/8 Stainless steel tank with handle
Dim.WxDxH 450x300x80. **Code 623.0427.10**

Technical data		JOLLY 1	JOLLY 2
Heating surface WxD	mm	410x270	410x270
Max flow rate	Kg	25	25
Plate temperature	°C	from +50 to +350	from +50 to +350
Precision on the plate	°C	±5	±2
Heating elem. power	W	1200	1200
External dimensions LxWxH	mm	410x290x190	410x290x190
Weight	Kg	9,2	9,2
Code		**623.0427.01**	**623.0427.02**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 0

XL

- Ideal for heavy use (up to 40 kg) and material testing
- Large aluminium plate ensures uniformity of temperature
- Frame: the plate is not deformable
- Temperature is controlled by a thermostat with graduated scale in °C and expansion probe

Technical data		XL - 1	XL - 2	XL - 3
Heating surface WxD	mm	220x270	380x380	400x500
Maximum capacity	Kg	25	30	40
Operating temperature	°C	from +50 to +350	from +50 to +350	from +50 to +350
Precision	°C	±5	±5	±5
Heating power	W	1500	1500	2300
External dimensions LxWxH	mm	300x265x180	380x450x200	500x470x200
Weight	Kg	6	13	17
Code		**623.0429.03**	**623.0429.01**	**623.0429.05**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 0

HEATERS

Aluminium hotplate for high precision applications

- Ideal for histological and paraffin-embedded tissue from microtome. With digital thermometer
- Option to place up to 40 slides
- The aluminium plate and the design of the heater ensure excellent temperature uniformity
- The temperature is controlled by a PID microprocessor and PT100 probe.

PA

Technical data		PA
Heating surface LxW	mm	270x200
Max capacity	Kg	10
Plate temperature	°C	da +30 a +100
Precision on the plate	°C	±2
Heating elem. power	W	140
External dimensions LxWxH	mm	310x275x80
Weight	Kg	4,4
Code		**623.0428.30**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 41

- Ideal for precision thermostating applications
- The aluminium plate ensures good temperature uniformity
- The temperature is controlled by a PID microprocessor and PT100 probe

DX

Model		DX
Adjustable temperature	°C	+50room ÷+350,0
Precision	°C	±2
Display resolution	°C	0,1
Heating surface LxW	mm	400x300
Heating capacity	W	1350
External dimensions LxWxH	mm	420x475x135
Max capacity	Kg	10
Weight	Kg	8,7
Code		**623.0427.15**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 41

HEATERS

Ceramic hotplate for laboratory general applications

PV

central position of the heater

- Ideal for routine applications
- Suitable for highly corrosive products
- Ceramic-glass plate (coefficient null = zero deformation) it reaches high temperatures
- Quick heating results in 20%-30% energy saving

Technical data		PV 200	PV 300
Bearing surface. LxW	mm	200x200	300x300
Heating Surface LxW	mm	120x120	180x180
Max capacity	Kg	15	15
Plate temperature	°C	+600	+600
Precision on the plate	°C	±5	±5
Heating elem. power	W	700	1500
External dimensions LxWxH	mm	200x255x120	300x365x130
Weight	Kg	2,6	5,0
Code		**623.0425.20**	**623.0425.30**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 42

HEATERS

Cast iron hotplate for laboratory general applications

- Ideal for routine applications
- Structure: simple use of cast iron plates
- Suitable for continuos use

CIR 4 - 120
CIR 6 - 120

CIR 1 - 120
CIR 1 - 160

Technical data		CIR 1 -120	CIR 1-160	CIR 4-120	CIR 6-120
Heating Places		1	1	4	6
Plate heater Ø	mm	120	160	120	120
Plate temperature	°C	+500	+500	+500	+500
Plate precision	°C	±5	±5	±5	±5
Heating elem. power	W	700	1000	2800	4200
Ext. Dim. LxWxH	mm	190x245x115	190x245x115	650x270x140	985x270x160
Weight	Kg	2,5	2,5	6,7	9,4
Code		**623.0430.12**	**623.0430.16**	**623.0434.12**	**623.0436.16**

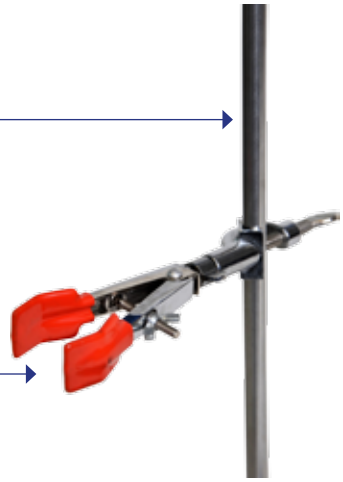
V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 32

ACCESSORIES

Rod in stainless steel

CIR 120-160: Ø 10x400 mm
Code 601.0125.01

CIR multiple: Ø 10x500 mm
Code 263.7120.05



Clamp with clip
Code 180.4304.39

Aluminium blocks

Round-bottom flask capacity ml	Code
100	**623.0437.20**
250	**623.0437.25**
500	**623.0437.50**

HEATERS

Heating mantles with semi-rigid structure

MM

clamp included

- Insulated frame with semi-rigid nests to avoid round-bottom flask breaking
- Reduces heating times
- Energy saving
- Electronic temperature control

Technical data		MM-100	MM-250	MM-500	MM-1000	MM-2000
Round-bottom flasks Ø	mm	64	85	105	131	166
For round-bottom flask capacity	ml	100	250	500	1.000	2.000
Cover temperature	°C	+350	+350	+650	+350	+350
Precision	°C	±5	±5	±5	±5	±5
Heating elem. power	W	130	180	250	450	600
Dimensions ØxH	mm	185x145	185x145	205x175	245x175	310x210
Weight	Kg	1,5	1,5	1,8	2,4	5,0
Code		**625.0500.01**	**625.0500.02**	**625.0500.05**	**625.0500.10**	**625.500.20**

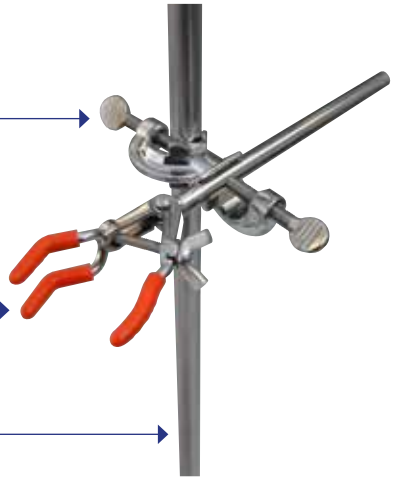
V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 30

ACCESSORIES

Clamp with clip
Code 180.4300.56

Universal round-bottom flask clamp
Code 146.2900.05

Stainless steel rod 18/8 12x500 mm
Code 262.7450.05



HEATERS

Heating mantles for large volumes

Safety system: corrosive liquid recovery system in the event of round-bottom flask breaking

Drain valve for liquid recovery in case of round-bottom flask breaking

MA

Technical data		MA-3	MA-4	MA-6	MA-10	MA-20
Round-bottom flasks	Ø mm	195	207	236	279	
For round-bottom flask capacity	ml	3.000	4.000	6.000	10.000	20.000
Lid temperature	°C	+350	+350	+350	+350	+350
Precision	°C	±5	±5	±5	±5	±5
Heating elem. power	W	600	900	900	1500	2100
Size ØxH	mm	310x290	380x310	380x310	460x330	540x510
Weight	Kg	6,00	8,00	8,00	11,0	16,5
Code		**625.0520.03**	**625.0520.04**	**625.0520.06**	**625.0520.10**	**625.0520.20**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 44

HEATERS

Heating mantles with stirring

MF

- Ideal for stirring and heating simultaneously or separately
- Heater in one block with excellent thermal insulation
- Electronic temperature control
- Electronic speed adjustment

N.B.
The maximum temperature refers to the cover

Technical data		MF 100	MF 250	MF 500	MF 1000	MF 2000
For round-bottom flask capacity	ml	100	250	500	1000	2000
Cover temperature	°C	+350	+350	+350	+350	+350
Precision	°C	±5	±5	±5	±5	±5
Heating elem. power	W	130	180	250	450	600
Dimensions ØxH	mm	185x175	205x190	245x210	245x210	310x230
Variable speed	Rpm	100-2500	100-2500	100-2500	100-2500	100-2500
Motor power	W	20	20	20	20	20
Weight	Kg	2,6	2,8	3,3	3,7	6,6
Code		**625.0510.01**	**625.0510.02**	**625.0510.05**	**625.0510.10**	**625.0510.20**

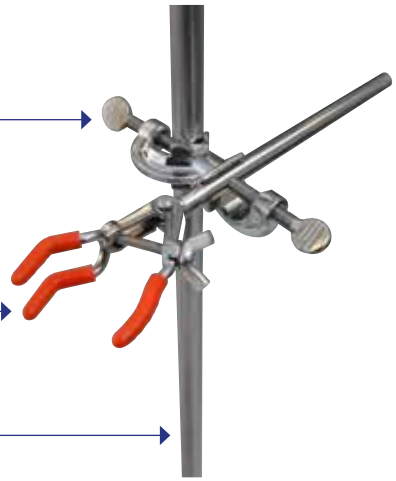
V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 32

ACCESSORIES

Clamp with clip
Code 180.4300.56

Universal round-bottom flask clamp
Code 146.2900.05

18/8 stainless steel rod 12x500 mm
Code 262.7450.05



HEATERS

Soft heaters for round-bottom flasks

- Ideal for suspended implants
- Completely soft, free from any metal part

MBO

Technical data		MBO 100	MBO 250	MBO 500	MBO 1000
For round-bottom flask	ml	100	250	500	1000
Hole on the bottom		No	No	Yes	Yes
Lid temperature	°C	+300	+300	+300	+300
Heating power	W	85	160	220	330
Code		**627.0624.01**	**627.0624.02**	**627.0624.05**	**627.0624.10**

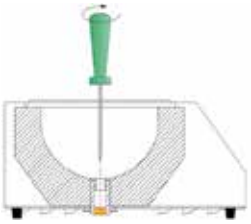
V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 0

HEATERS

Heating mantle with 18/8 stainless steel calotte

MQ

Safety system: hole on the bottom allows to recover the flask liquid in case of flask breaking



Technical data		MQ 100	MQ 250	MQ 500	MQ 1000	MQ 2000
Flasks capacity	ml	100	250	500	1000	2000
Nest temperature from	°C	+50 a +350	+50 a +350	+50 a +350	+50 a +350	+50 a +350
Precision	°C	±5	±5	±5	±5	±5
Heating elem. power	W	130	180	250	450	600
External dimensions LxWxH	mm	175x250x115	175x250x115	200x280x125	225x310x145	310x400x190
Weight	Kg	2,0	2,0	2.7	3,5	6,4
Code		**625.0540.01**	**625.0540.02**	**625.0540.05**	**625.0540.10**	**625.0540.20**

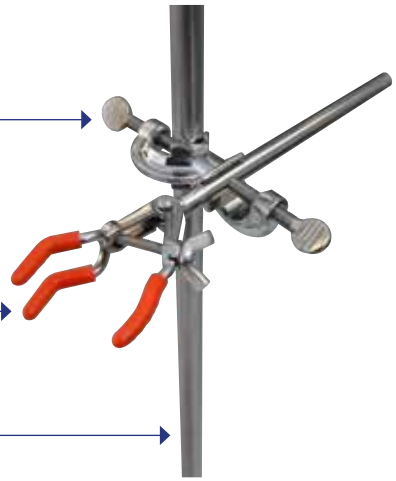
V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 41

ACCESSORIES

Clamp with clip
Code 146.2900.05

Universal round-bottom flask clamp
Code 180.4300.56

Threaded rod M8 in 18/8 stainless steel Ø 10x400 mm
Code 601.0125.01



HEATERS

Safety heaters with remote control

Safety system: the fully welded and sealed frame ensures electrical insulation. Option to work remotely, controlling the instrument safely

Dual probe, one inside and another one outside, to check the actual temperature

Complies with IP 65, CEI EN 61010-1, IEC 61010-1:2001-03

Temperature is controlled by a PID microprocessor and PT100 probe

MS

Technical data		MS-100	MS-250	MS-500	MS-1000	MS-2000
Round-bottom flask capacity	ml	100	250	500	1.000	2.000
Room temperature + 5	°C	+350	+350	+350	+350	+350
Precision	°C	±2	±2	±2	±2	±2
Heating elem. power	W	130	180	250	450	600
External dimensions LxWxH	mm	190x295x110	190x295x110	205x310x120	225x330x135	305x410x170
Heater weight	Kg	4	4	4,5	5	9
Code		**625.0532.01**	**625.0532.02**	**625.0532.05**	**625.0532.10**	**625.0532.20**

V/HZ 220/240-50/60 | SAFETY CLASS 3,1 | PROTECTION CLASS IP 55

kjeldahl

Ideal for distillation and oxidation (temp. Max 450°)

Distillation and oxidation are easily interchangeable by applying slight pressure on the round-bottom flask. Complete with rod, clamp and tube

Technical data		KLH2 - 250	KLH2 - 500	KLH2 - 800	KLH4 - 250	KLH4 - 500	KLH4 - 800
Places No.	n°	2	2	2	4	4	4
Round-bottom flask capacity	ml	250	500	800	250	500	800
Lid temp.	°C	+450	+450	+450	+450	+450	+450
Precision	°C	±5	±5	±5	±5	±5	±5
Heat. Elem. Power	W	500	900	900	1000	1800	1800
Ext. dim. LxWxH	mm	460x390Xx175	460x390x175	460x390x175	930x390x175	930x390x175	930x390x175
Weight	Kg	8,5	8,5	8,5	16,0	16,0	16,0
Code		**625.0552.02**	**625.0552.05**	**625.0552.08**	**625.0554.02**	**625.0554.05**	**625.0554.08**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 42

Heating tape

Ideal for wrapping even small diameter pipes

Made entirely of fiberglass

Technical data						
Tape width	mt	1	1,5	2	2,5	3
Max temperature	°C	+400	+400	+400	+400	+400
Heating Elem. Power W	W	190	400	520	650	750
Tape width	mm	40	40	40	40	40
Code		**627.0626.10**	**627.0626.15**	**627.0626.20**	**627.0626.25**	**627.0626.30**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 0

N.B. To avoid overheating of the heaters it is recommended that you connect them to a Bimetallic or Electronic thermostat or a Head Control.
See page 5

HEATERS

Multiple heaters for round-bottom flasks

- Possibility of working at different temperatures at the same time
- Safety system: cover in 18/8 stainless steel to avoid contact with corrosive liquids
- Set of rods included

BE / BE-S

Technical data		BE 2-250	BE 2-500	BE 4-250	BE 4-500	BE 6-250	BE 6-500
Places of flasks	n°	2	2	4	4	6	6
Round-bottom flask capacity	ml	250	500	250	500	250	500
Lid temperature	°C	+350	+350	+350	+350	+350	+350
Precision	°C	±5	±5	±5	±5	±5	±5
Heating elem. power	W	360	500	720	1000	1080	1500
External dimensions LxWxH	mm	360x300x120	360x300x120	710x300x120	710x300x120	1060x300x120	1060x300x120
Weight	Kg	4,8	4,8	7,2	7,2	9,2	9,2
Code		**625.0502.02**	**625.0502.05**	**625.0504.02**	**625.0504.05**	**625.0506.02**	**625.0506.04**

Series BE with increased heating power

Technical data		BE S2- 500	BE S2-900	BE S4-1000	BE S4-1800	BE S6-1500	BE S6-2700
Cover temperature	°C	+450	+450	+450	+450	+450	+450
Heating power	W	500	900	1000	1800	1500	2700
Code		**625.0502.03**	**625.0502.06**	**625.0504.03**	**625.0504.06**	**625.0506.03**	**625.0506.06**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 42

Cork rings

Round-bottom flask capacity ml	Code
10-50	**262.2206.02**
50-100	**262.2206.04**
250-500	**262.2206.06**
1000-3000	**262.2206.09**
5000-6000	**262.2206.12**

Clamp with terminal
Code 180.4304.39

SPARE PARTS

Rod in stainless steel ø 10x500
Code 263.7120.05

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