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Teaching guide in digital format



Minimum invoiced order: € 130,00 + VAT



GRADUATED BEAKERS

Glass low-form beakers

50 ml	V27
100 ml	V28
150 ml	V29
250 ml	V30
400 ml	V31
600 ml	V32
1000 ml	V34
2000 ml	V35



V27 - V28 - V29 - V30 - V31 - V32 - V34 - V35

Glass tall-form beakers

100 ml	V41
150 ml	V42
250 ml	V43
400 ml	V44
600 ml	V45
1000 ml	V47



V41 - V42 - V43 - V44 - V45 - V47

Trasparent plastic beakers

25 ml	K1541
50 ml	K1542
100 ml	K1543
250 ml	K1545
500 ml	K1546
1000 ml	K1548



K1541 - K1542 - K1543 - K1545 - K1546 - K1548

Opaque plastic beakers

25 ml	K1801
50 ml	K1802
100 ml	K1803
250 ml	K1805
500 ml	K1806
1000 ml	K1808



K1801 - K1802 - K1803 - K1805 - K1806 - K1808

CONICAL ERLLENMEYERS FLASKS

Glass Erlenmeyer flask - narrow neck

50 ml	V71
100 ml	V72
250 ml	V75
500 ml	V77
1000 ml	V79



V71 - V72 - V75 - V77 - V79

Glass Erlenmeyer flask - neck NS 29/32

250 ml	V95
500 ml	V97



V95 - V97

Filtrating flask

100 ml	V100
250 ml	V101
500 ml	V102
1000 ml	V103



V100 - V101 - V102 - V103

ROUND FLASK

Flask with flat base and narrow neck

50 ml	V217
100 ml	V218
250 ml	V219
500 ml	V220
1000 ml	V221



V217 - V218 - V219 - V220 - V221

Flask for distillation

250 ml	V911
500 ml	V912



V911 - V912

EVAPORATING DISHES

Made of glass - with spout

Ø 50x40h mm	V428
Ø 95x45h mm	V432
Ø 125x65h mm	V433
Ø 140x80h mm	V434



V428 - V432 - V433 - V434

FUNNEL

Separating funnel with neck NS 29/32

250 ml	V312
500 ml	V313
1000 ml	V314



V312 - V313 - V314

FUNNEL

Made of glass - short stem

Ø 55 mm	V276
Ø 80 mm	V278
Ø 100 mm	V279
Ø 120 mm	V280



V276 - V278 - V279 - V280

Made of glass - long stem

Ø 45 mm	V283
Ø 80 mm	V286
Ø 100 mm	V287



V283 - V286 - V287

Made of plastic - short stem

Ø 45 mm	K146
Ø 65 mm	K148
Ø 80 mm	K150
Ø 100 mm	K152
Ø 120 mm	K153



K146 - K148 - K150 - K152 - K153

Dessicator

V356

Dessicator with knob provided with plate for drying up Ø 210 mm.



V356

Plastic bottles with a narrow neck

100 ml	K319
250 ml	K323
500 ml	K324
1000 ml	K325



K319 - K323 - K324 - K325

BASINS

Made of antacid plastic material

200x150x50h mm	K280
320x260x70h mm	K282
550x430x190h mm	K288



K280 - K282 - K288

Plastic bottles - rectangular shape

50 ml	K609
100 ml	K610
250 ml	K611
500 ml	K612
1000 ml	K613



K609 - K610 - K611 - K612 - K613

Narrow-neck bottles

10 lt	K1646
10 lt with stopcock	K1662



K1646 - K1662

TEST TUBES

Glass (pack of 100 pcs)

Ø 12x100h mm	V610
Ø 16x150h mm	V613
Ø 18x180h mm	V614
Ø 21x180h mm	V615



V610 - V613 - V614 - V615 - V947

Plastic (pack of 100 pcs)

Ø 10x100h mm, 7 ml	K302
Ø 16x100h mm, 16 ml	K303
Ø 22x90h mm, 31 ml	K305



K302 - K303 - K305

TEST TUBES RACK

12 positions: 6 positions for test-tubes diameter up to 16 mm and 6 positions for drying
 50 positions for test-tubes (diameter up to 16 mm)
 18 positions for test-tubes (diameter up to 20 mm)

SM1106
 NA432
 NA434



SM1106



NA432



NA434

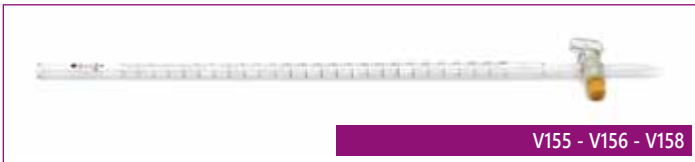
GRADUATED BURETTES AND CLAMPS FOR BURETTES

Mohr graduated glass burette

10 ml, div. 1/20 **V155**
 25 ml, div. 1/10 **V156**
 50 ml, div. 1/10 **V158**

Burette pliers to be mounted on a rod

2 positions, metal **F400**
 2 positions, plastic **K140**



V155 - V156 - V158



F400 - K140

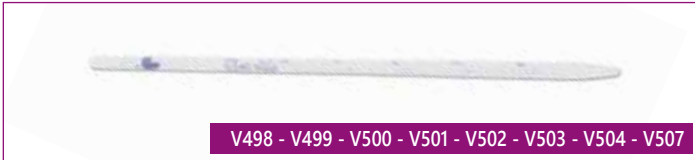
PIPETTES

Glass made - graduated up to tip

1 ml, div. 1/100 V498	2 ml, div. 1/10 V501	10 ml, div. 1/10 V504
1 ml, div. 1/10 V499	5 ml, div. 1/20 V502	25 ml, div. 1/10 V507
2 ml, div. 1/50 V500	5 ml, div. 1/10 V503	

Glass made - graduated with syringe

1 ml, div. 1/100 V900	10 ml, div. 1/10 V903
5 ml, div. 1/10 V902	25 ml, div. 1/10 V904



V498 - V499 - V500 - V501 - V502 - V503 - V504 - V507



V900 - V902 - V903 - V904

Plastic made, graduated

10 ml, div. 1/10 **K313**

Glass made, graduated

10 ml, 1 step V539	10 ml, 2 steps V566
5 ml, 2 steps V565	25 ml, 2 steps V570



K313



V539 - V565 - V566 - V570

DISPENSERS FOR PIPETTES

Through these dispensers, you can load the pipette until filling and then dose the specific quantity of solution desired.

from 0 to 2 ml AF01
from 0 to 10 ml AF02
from 0 to 25 ml AF03



AF01 - AF02 - AF03

Vacuum pipette with 3 valves (Peleo's ball)

K200

Made of rubber, suitable for every kind of pipette 100 ml.



K200

Pipettes holder with circular base

VL194



VL194

Universal basin for pipettes

K996

PVC, for every kind of pipette.



K996

DISPOSABLE TIPS

50 disposable tips pack for micropipettes cod. SX821.2

OR70

50 disposable tips pack for pipettes cod. SX831

OR71

Pasteur pipettes without bulb, 250 pcs

V800

Latex bulbs for Pasteur pipettes, 10 pcs

V800.1



OR70 - OR71 - V800 - V800.1

DROPPER

Glass dropper with bulb **2024**



2024

Ranvier glass dropper 100 ml **V341**



V341

Ranvier plastic dropper 100 ml **K389**



K389

GRADUATED CYLINDERS

Glass made - tall form

10 ml	V106
25 ml	V107
50 ml	V108
100 ml	V109
250 ml	V110
500 ml	V111
1000 ml	V112
2000 ml	V113



V106 - V107 - V108 - V109 - V110 - V111 - V112 - V113

Glass made - tall form with stopper

25 ml	V115
50 ml	V116
100 ml	V117
250 ml	V118
500 ml	V119
1000 ml	V120



V115 - V116 - V117 - V118 - V119 - V120

Plastic made - tall form

25 ml	K1077
50 ml	K1078
100 ml	K1079
250 ml	K1080
500 ml	K1081
1000 ml	K1082



K1077 - K1078 - K1079 - K1080 - K1081 - K1082

Graduated plastic goblets

100 ml	K1422	500 ml	K1424
250 ml	K1423	1000 ml	K1425



K1422 - K1423 - K1424 - K1425

Glass graduated flasks with stopper

10 ml	V448
25 ml	V450
50 ml	V451
100 ml	V452
250 ml	V454
500 ml	V455
1000 ml	V456
2000 ml	V457



V448 - V450 - V451 - V452 - V454 - V455 - V456 - V457

Plastic wash bottles

100 ml	K180	500 ml	K183
250 ml	K182	1000 ml	K185



K180 - K182 - K183 - K185

Watch glasses with ground edge

Ø 60 mm	V672	Ø 100 mm	V676
Ø 80 mm	V674		



V672 - V674 - V676

PETRI DISHES

Glass

Ø 60 mm	V617	Ø 120 mm	V620
Ø 80 mm	V618	Ø 150 mm	V621
Ø 100 mm	V619		



V617 - V618 - V619 - V620 - V621

Plastic

Ø 60 mm (pack of 10 pcs)	K357
Ø 80 mm (pack of 10 pcs)	K358
Ø 100 mm (pack of 10 pcs)	K359

K357 - K358 - K359

GLASS RODS AND TUBES

Glass rod for agitation Ø 6x200 mm

V142

Linear glass tubes

Ø 2x6x200 mm capillary	V960
Ø 5x7x200 mm	V961
Ø 5x7x300 mm	V962



V960 - V961 - V962

"U" shaped tubes

Ø 12x100 mm simple	V964
Ø 18x180 mm tubular	V967
Ø 18x180 mm tubular with taps	V968



V964 - V967 - V968

"L" shaped tube

100x100 mm **V969**



V969

JOINTS FOR RUBBER TUBES

"Y" shaped joints

Ø 6 mm	K465	Ø 8 mm	K466	Ø 12 mm	K468
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K465 - K466 - K468

LABORATORY PORCELAIN

Medium form crucibles

Ø 30x29h mm	V764
Ø 48x52h mm	V768

Capsule round bottom

Ø 60x25h mm	V776
Ø 70x28h mm	V777
Ø 100x39h mm	V779

Mortars with pestle

Ø 60 mm	V785
Ø 100 mm	V787
Ø 160 mm	V789



V764 - V768



V776 - V777 - V779



V785 - V787 - V789

AUXILIARY ITEMS

Wall strainer **K213**

72 positions with rungs.



K213

Glass hacksaw **6011**

Carborundum made, medium-grained.



6011

Superimposable basket **K87009**

Handy basket for transport and storage of laboratory equipment. You can overlap more baskets through a joint device. 4 wheels can be applied for easy moving. Basket 355x520 mm, height 190 mm.



K87009

RUBBER ITEMS

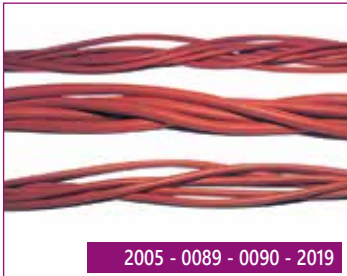
Rubber tubes

7x10x500 mm **2005**

7x10x1000 mm **0089**

7x17x1000 mm for vacuum **0090**

7x10x500 mm transparent **2019**



2005 - 0089 - 0090 - 2019

Rubber gloves **G1**

Pair of antacid gloves.



G1

Latex gloves **G2**

100 pieces pack



G2

Parafilm **G3**

Cling film to seal. 38 meters long roll, width 10cm.



G3

Mixed stopper pack **0091**

20 matched plugs: solid, 1 hole and 2 holes.



0091

NICKEL-PLATED STEEL RODS

Ø 6 mm with hook top. Length 13 cm.

0005



0005

Modular threaded rod Ø10 x 350 mm

1463



1463

HPL base with hole

1462



1462

Conical small base

0038

Aluminium, with Ø 6 mm holes.
Base Ø 65 mm.



0038

Barrel base

0010

Aluminium, with hole for rod 10 mm.
Diameter base 70 mm.



0010

RECTANGULAR STEEL BASE WITH NICKEL-PLATED STEEL ROD

Base 140x165 mm, rod 10x500 mm **F711/F**

Base 200x260 mm, rod 12x600 mm **F712/F**



F711/F - F712/F

Base with rod 0039

Base diameter 130 mm;
rod height 250 mm;
rod diameter 10 mm.



0039

Support in acid-resistant porcelain steel F709

2 positions. Dimension: 180x360 mm, rod 15x1000 mm.



F709

Universal stand system 0058

To compose the most useful configurations of supports and stands in the scientific laboratory. Composed by 4 bars of 10x600 mm, 2 bars of 10x300 mm, 2 double clamps, 2 bases, 2 moveable supports e 4 bars support.



0058

Table clamp 1155

With conical hole for bars with diameter up to 12 mm.



1155

Lift table with adjustable height 0074

Metallic plate 20 x 20 cm



0074

Ring supports with free-stem

Ø 85 mm

F656

Ø 115 mm

F657



F656 - F657

CLAMPS FOR RODS

Double bosshead, for rods Ø up to 13mm

0159

Double and jointed bossheads, for bars with diameter up to 16 mm.

F297



0159



F297

Ring supports with clamp

Ø 50 mm

F660

Ø 85 mm

F661



F660 - F661

Double sturdy bossheads, for bars with diameter up to 15 mm.

F292

Clamp with hook.

0097



F292



0097

Mohr clamp F418

Nickel brass, length 50 mm.



F418

CLAMP FOR FLASKS

With bosshead

F435

Maximum opening 40 mm, length 120 mm.



F435

Free stem

F431

Maximum opening 40 mm, stem 12x240 mm.



F431

UNIVERSAL CLAMPS

With bosshead

Opening 10-20 mm, length 120 mm.

F445

Opening 20-30 mm, length 120 mm.

F446



F445 - F446

Free stem

Opening 30-50 mm, stem 12x200 mm.

F439



F439

3 branches with bosshead

Opening 10-25 mm, length 85 mm.

F474



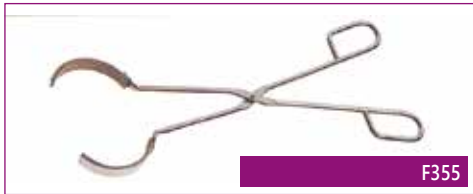
F474

CLAMP

For beakers

F355

Stainless steel, length 310 mm.



F355

For flasks

F356

Stainless steel, length 250 mm.



F356

For crucible and capsules

F365

Nickel iron, length 220 mm



F365

Wood clamp for test-tubes

F408

Wood, length 180 mm.



F408

LABORATORY SPATULAS

Spatula with 2 wide and rigid paddles F800

Stainless steel, paddles width 20 mm, total length 150 mm.



F800

Spatula with spoon

F792

As F800 but with a spoon paddle, length 120 mm.



F792

BRUSHES

Brush for test-tubes, 15 mm diameter.

F601



F601

Brush for burettes, 12 mm diameter.

F621



F621

Double flexible spatulas

Stainless steel, dimension 6x120 mm

F760

Stainless steel, dimension 6x210 mm

F759



F760 - F759

Brush for beakers, length 380 mm.

F622



F622

Brush for flasks and glass balls.

F624



F624

CUTTING AND HANDLING TOOLS

Hand stopper-piercer

F212

From 6 to 11 mm.



F212

Disposable scalpel

F364

With plastic handle.

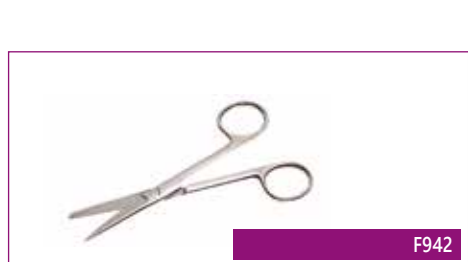


F364

Laboratory scissors

F942

Length 140 mm.



F942

Stainless steel blade-holder handle

F370

Blade for scalpel, potbellied-shape F370-10

For code F370.



F370 - F370-10

Laboratory clamps

- Round points tweezers. 120 mm, stainless steel **F329**
- Straight points tweezers. 120 mm, stainless steel **F340**
- Laboratory clamp, length 200 mm **F333**



F329



F340



F333

Kolle handle and stainless steel handle holder

- Kolle handle holder, with clamp for handles **F348**
- Stainless wire for handles, dim. 0,5x100 mm **F348-20**
- Stainless wire for handles, dim. 0,8x100 mm **F348-21**



F348 - F348-20 - F348-21

FILTER PAPER

- Quick filter paper, square sheets 50x50 cm** **CF1**
- 100 sheets pack.

Quick filter paper, flat disks

- Diameter 80 mm, 100 sheets pack **CF3**
- Diameter 100 mm, 100 sheets pack **CF4**
- Diameter 120 mm, 100 sheets pack **CF5**
- Diameter 150 mm, 100 sheets pack **CF6**
- Diameter 180 mm, 100 sheets pack **CF7**



CF1 - CF3 - CF4 - CF5 - CF6 - CF7

Alcohol burner

- 100 ml, made from stainless steel. **2072**



2072

Gas tube (CEI, UNI-CIG)

- Length 2 m, Ø 8x13 mm **FC2**



FC2

SAFETY AND CLEANING IN THE LABORATORY

Paper holder

- Fire-painted steel. **F2810**
- Cellulose wadding roll. 2 rolls pack. **F2800**



F2810 - F2800

Anti-toxic vapours mask

- Made from filtering material. **Y001**



Y001

Protective glasses

- With side protections. **F2021**



F2021

Ocular first aid

- Bottle for eyes washing, 500 ml **K383**
- Eyes washing bottle holder **K2384**
- Instructions printed on the cover



K383 - K2384

Bunsen gas burner with tap

- "BUNSEKUR" with safety valve which stops gas flow within 15 seconds if the flames accidentally extinguish. **F010**
- For every kind of gas.



F010

Autonomous Bunsen burner

- Laborgaz** **F284**
- Portable, for laboratories without gas bungs.
- Provided without recharge, to be used with the tripod cod. F566.

- 190 g calor gas recharge for laborgaz. **F285**



F284 - F285

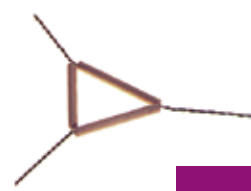
Cable tie diameter 11-19 mm



FC3

Triangle for crucibles made of refractory material

- 200x200 mm **F580**



F580

Tripod support for burner

For alcohol burners. Adjustable height. **2108**
 Diameter 100 mm, height 180 mm **F564**
 Diameter 120 mm, height 210 mm **F565**
 Diameter 150 mm, height 210 mm **F566**



2108



F564 - F565 - F566

Wire gauze with ceramic disk

120x120 mm **F541/K**
 160x160 mm **F542/K**
 200x200 mm **F544/K**



F541/K - F542/K - F544/K

Heating plate

Plate diameter 120 mm, max temperature 500°C, power 650 W.

6149



6149

Cast-iron heating plates with electronic settings

Plate diameter 120 mm, max. temperature 500°C, power 500 W **6150**
 Plate diameter 160 mm, max. temperature 500°C, power 1000 W **6151**



6150 - 6151

Glass-ceramic heating plate

Acid-resistant plate, 175x175 mm, max. temperature 600°C, power 800 W.

F1154



F1154

Round flasks heater

500 ml, max. temp. 350°C, power 250 W.

F856



F856

Small waterbath with thermostat

Suitable for operations that need heating of low quantities. It can be used also as a sand bath. Stainless basin. Capacity 6 litres, max. temperature 150°C. Power 1000 W.

F934



F934

Steel cover with concentric rings

Steel test tube holder

3plates and 36 openings, 21mm diameter

F934.1

F934.2



F934.1 - F934.2

Small laboratory oven

Thermostat made from baked painted steel with acid-resistant epoxy powder, thermostat inner part in anodized aluminum with two shelves. A transparent plexiglas door allows inspection of the inner part without affecting the thermal balance. Natural movement of air, temperature electronic settings thanks to a microprocessor and a digital display. Capacity 5.4 litres, size of the inner part 190x190x150h mm, max. temperature 70 ° C, 200W power.

F720.10



F720.10

Small laboratory oven F720.04

Aluminium inner chamber for better heat diffusion.
Bimetalic thermoregulator with fluid expansion probe.
Timer 0-120 minutes + infinity.

Capacity: 5,4 lt
Temperature +5 amb: +150°C
Accuracy: 70°C ±3
Heating power: 360 W
Standard shelves: 2
Max number of shelves: 4
Internal dimensions: 190x150x190 mm
External dimensions: 380x240x300 mm
Weight: 10 kg



F720.04

Laboratory natural ventilation oven

52 liters

DAS42000

80 liters

DAS42010

External structure in steel painted with acid-proof epoxy powder.
Stainless steel inner chamber.
Double door locking for a perfect seal (upper and lower part).
Ø45 mm hole on the rear side for smoke discharge with device for regulation of opening/closing of the passage of cables, probes, etc.
Ø10 mm hole on the upper side for thermometer or probe insertion
Temperature control with microprocessor.
Timer from 0 to 12 hours + infinity
Safety class 3.1



	DAS42000	DAS42010
Capacity	52 lt	80 lt
Temperature + 5 amb.	+300°C	+300°C
Accuracy	70°C ±1,5	70°C ±1,5
	150°C ±2,5	150°C ±2,5
	300°C ±3,0	300°C ±3,0
Risoluzione	0,1 °C	0,1 °C
Heating power	1200 W	1400 W
Internal dimensions LxPxH	390x350x390 mm	450x400x450 mm
Grid shelves as standard	2	2
Max number of shelves	6	7
Power supply	230/50-60 V/Hz	230/50-60 V/Hz
Weight	55 kg	60 kg

DAS42000 - DAS42010

Muffle furnace MZ-1

For heat treatments with temperature up to 1100°C,
with electronic safety thermoregulator provided with digital display. Chamber size: 100x200x65 mm.
Mitt with protective garment, made in only one block, door opening thanks to a thermo isolated lever.
Insulation thanks to ceramic fibre. Fumes discharge on the back.



MZ-1

Glass spare part for code 5544 5543



5543

Glass distiller 5544

This glass distiller for teaching is particularly helpful because it allows a clear and complete view of the distillation process.
The heat source and the cooling circuit (code 5545) set are sold separately.

Equipment supplied

1 Glass distiller	2 Clamp
1 Beaker 600ml	1 Burner's tripod
2 Base with rod	1 Wire gauze

Optional accessories

5545 Cooling circuit set	F285 Calor gas recharge
F284 Bunsen burner	5011 Power supply



5544

Electric glass distiller IC23000

It is provided with a vertical coolant with a double coil that assures high efficiency. Electric heating thanks to plug covered with quartz to avoid metals contamination. Provided with safety system for possible break or lack of water pressure. Distilled water production: 3-4 litres/hour. Electric power: 230V 50 Hz. Consume: 2600 W. Size: 600 x 175 x 460 mm.



IC23000

Cooling circuit set 5545

If the laboratory does not have a water tap with draining basin, the cooling circuit can be realized with the optional set including a electric pump, a water collection basin and a flexible tube for the circuit.

The power supply is sold separately.



5545

Small distiller 5542

It is fitted with a burner, supports and rubber tubes. Useful to perform experiments on distillation process. The cooling circuit (code 5545) set is sold separately.

Equipment supplied

1 Steel pliers with clamp	1 Rubber cover
1 Support with rod	1 250ml beaker
2 Rubber tubes	1 Filtration flask
1 Tripod support	1 Distilled water
1 Alcohol burner	1 Sodium sulfate
1 Cooling with latex junctions	1 Barium chloride
1 Wire gauze	1 Methylene blue



5542

Glassware kit and laboratory accessories

Equipment supplied

- | | |
|--------------------------------|-------------------------------------|
| 1 Metallic rod | 2 Plastic bottles |
| 1 Metal clip with clamp | 3 Rectangular plastic bottles 50ml |
| 1 300mm glass tube with bung | 1 Rectangular plastic bottles 250ml |
| 1 Bent glass tube with bung | 1 Graduated cylinder 100 ml |
| 1 Curved glass tube with cap | 1 Plastic spatula |
| 1 Double clamp | 1 Universal litmus paper pH 1-10 |
| 2 Base for rods | 1 Test tubes holder for 12 tubes |
| 1 Rubber stopper with hole | 1 Thermometer -10 +110 |
| 2 Tripod support | 1 Beaker, 100 ml |
| 1 Pencil droppers | 1 Beaker, 250 ml |
| 1 Alcohol burner | 1 Beaker, 400 ml |
| 1 Ring support | 2 Graduated cylinders 50 ml |
| 100 Nickel-chrome wire | 1 Stirrer 6x200mm |
| 1 Filter paper disks | 1 Glass pipette 1 step, 5 ml |
| 1 Wood clamp | 6 Glass pipette 1 step, 10 ml |
| 1 Mohr clamp | 6 Test-tubes, glass 16x150 mm |
| 1 Wire gauze | 1 Test-tubes 20x180 mm |
| 1 Refractory triangle | 1 Conical flask 100ml |
| 6 Spatula with spoon | 1 Conical flask 250 ml |
| 3 Rubber stoppers | 1 Crucible medium form |
| 2 Rubber stoppers with 1 holes | 1 Round bottom capsule 60x25 mm |
| 2 Rubber stoppers with 2 holes | 2 Glass tube 2x6x200 |
| 1 Funnel | 2 Glass tube 5x7x200 |
| 1 100ml wash bottle | 2 Glass tube 5x7x300 |
| 1 Plastic pipette | 1 Box |



7029

VACUUM FILTRATION

Water vacuum pump

K1395

It works thanks to water fall, with rubber junction.
It enables depressions up to 30 mm of mercury.
Plastic made.



K1395

Hand vacuum pump

1130

Provided with analogic vacuum gauge, light weight, portable and with a great capacity of suction. In few turns it is possible to get vacuum up to 135 mm of mercury. Equipped with an atmospheric pressure reinstatement valve, no need for unplugging. It can produce a positive pressure for liquid transfer.
Plastic made.



1130

Single stage rotary pump (oil included)

1415

The rotary vane vacuum pump is designed to create vacuum in a sealed container. single-stage; recycled lubrication, tank, fan, silencer. Voltage: 220V 50Hz, flow rate: 2.55 m³/h, ultimate pressure: 0.05 mbar, power: 1/4 hp, oil tank capacity: 170 ml, dimensions: 243x114x207 mm weight: 6.5 kg.



1415

Double stage rotary pump

AV-12

Nominal displacement: 3,6 m³/h @50Hz
Ultimate pressure: 0,01 hPa(mbar)
Electric supply: 1ph ~ 220/240V 50/60Hz
Weight: 6,5 Kg
Oil filling: 0,3 Lt

Pumping speed: 3,1 m³/h @50Hz
Motor power: 0,12 Kw
Noise: 57 dB(A)
Inlet dimension: 1/4" G



AV-12

Kit for vacuum pump faucet

1413



1413

Small metallic manual pump

1238

Aspiring and pressing provided with tube.



1238

Buchner porcelain funnel

V290

External diameter 125 mm. To be used with filter paper flat disks (diameter 120 mm) cod. CF5, any flask for filtration and a rubber bung with hole.



V290

Rubber tube for vacuum pumps

0090



0090

Oil for pumps

0069

500ml

MAGNETIC STIRRER

Mini-magnetic stirrer

HI180W

This mini-magnetic stirrer is compact and light, ideal for all types of laboratories. Coated in plastic resistant to aggressive chemicals, allows precise regulation of the stirring speed.

Maximum mixing volume: 1 liter
 Minimum speed: 100 rpm
 Maximum speed: 1000 rpm
 Power supply: 230/240 V ac, 50/60 Hz
 Coating: ABS plastic
 The stirrer is supplied complete with PTFE-coated magnetic anchor and instructions.



HI180W

Mini-magnetic stirrer with electrode holder stand

HI181W

Reliable, lightweight and economical magnetic mini-motor, made of ABS plastic material and equipped with electrode holder with adjustable arm.

The vibrations are reduced to a minimum and the rotating parts are perfectly balanced.

Maximum mixing volume: 1 liter
 Minimum speed: 100 rpm
 Maximum speed: 1000 rpm
 Power supply: 230/240 Vac, 50/60 Hz
 Coating: ABS plastic
 The stirrer is supplied complete with PTFE-coated magnetic anchor and instructions.



HI181W

Electromagnetic stirrer with heating plate

6134

Plate power 400W. Stainless steel plate surface, 150 mm diameter. Electronic adjustment of temperature.



6134

Magnetic anchors

Ø 6 x 20 mm **K756**
 Ø 6 x 30 mm **K758**



K756 - K758

LABORATORY CENTRIFUGES

Small centrifuge

CS-1

Lid-block device.
 Constantly adjustable speed.
 Sturdy metallic structure.
 Electronic timer with stop switch (HOLD button).
 Microprocessor for working control.
 Supplied with test tubes.

Technical data

Angular rotor for 6 test-tubes of 12 (15) ml	Speed (turns/min) from 500 to 3500
Voltage (Volt/Hertz) 230/50, 115/60	Timer 0-30 min with suspended position (key HOLD)
Power (VA) 100	Environment temperature from 2 to 40°C
Size (A x L x P) mm 340x290x225	Weight (Kg) 11,0



CS-1

Professional centrifuge

TN23.8

Digital and compact table-centrifuge, cooling plug system, silent.
 All the functions are adjustable thanks to a microprocessor which includes a device to prevent the imbalance of the rotor and the locking of the lid.
 It is provided with a 8-port rotor, with a 12ml test-tubes holder (the testtubes are not provided), with spare fuses and tools for the rotor and the lid.

Technical data

Voltage: 230V /60Hz	Centrifugal process duration: 0.1 – 60 min
Power 400VA - Fuse: 2 da 5A	Acceleration and stop power: 9 steps
Insulation class: I - Working temperature: 2 – 40°C	Protection against interferences in radio frequency: VDE 0875
Relative humidity: 85% max	
Rotation speed: 500 – 5000 RPM	Size (H x L x W): 275x330x240mm
Variation of rotation speed: 100 RPM steps	Weight: 14.5Kg



TN23.8

DC power supply unit

5011

230V input voltage; direct current output with adjustable voltage in steps: 3-6-9-12V.
Max current 2A



5011

Power supply DC and AC

5228

Voltage 2, 4, 6, 9, 12 or 14 V ca/cc at 4A, or up to 5A for periods of 1 hour
Electrical Supply: 220-240 V a.c. 50-60 Hz.
Dimensions: 179x190x85 mm; Weight: 2.8 kg



5228

Power Supply AC and DC low voltage max 5A with protection

5229

Voltage 2, 4, 6, 9, 12 or 14 V ca/cc at 4 A, or up to 5A for periods of 1 hour; Voltage ranges are selected and locked by means of a removable key.
Electrical Supply: 220-240 V a.c. 50-60 Hz
Dimensions: 179x190x85 mm; Weight: 2.8 kg.



5229

Power supply unit balanced from 3A

5248

Suitable for the study of electrical phenomena in which you don't need high voltage. This power supply unit is equipped with two independent outputs: 1st output: balanced voltage continuously adjustable from 0 to 20V DC. Its value is mentioned on a digital voltmeter.
Max. current 3A.
2nd output: tension 6V AC.
Max. current 5A, suitable for optical projectors.
Size 240x130x160h mm.vv



5248

Dual power supply unit balanced from 5 + 5 A

5361

This is a dual power supply unit, with independent adjustments of current and voltage as for power supply unit cod. 5360.
Two buttons allow to connect the two power supply units in series, resulting in a maximum voltage of 60V, or in parallel, achieving a maximum current of 10A. Equipped with four digital instruments.
Voltage outputs continuously adjustable from 0 to 30V DC.
Current outputs continuously adjustable from 0 to 5A DC.
Dimensions: 255x300x155 mm; Weight: 9 Kg.



5361

Power supply unit balanced 5A

5360

Equipped with regulator of supplied current and tension.
It is possible to perform tests in which the current must remain constant during a change of voltage.

Output voltage continuously adjustable from 0 to 0V DC.

Current output continuously adjustable from 0 to 5A DC.

Equipped with two digital devices.

Dimensions: 280x130x155h mm, weight: 5.5 Kg.



5360

DC 5 KV Generator

5324

This generator is indispensable for performing quantitative experiments of electrostatics. Its use does not constitute any danger to the operator since, even in case of short circuit, the maximum output current is limited to the value of 3 mA by the presence of a high output resistance. It comes with two high insulation safety cables.

Adjustable output voltage up to 5 kV DC continuously.

2-digit digital voltmeter built-in.

Fixed output 6,3V AC / 2A.



5324

DC Power supply

5292

Suitable for powering electronic tubes.

Powering voltage: 230V.

Output voltage: 0 - 300V DC adjustable 0 - 30 V DC adjustable 6,3V AC fixed.



5292

Power supply 0-12V AC/DC

5230

Adjustable voltage output continuously from 0 to 12 V DC.

Adjustable voltage output continuously from 0 to 12 V AC.

Max current 8A (for short periods); rated current 6A.

Dimensions: 255x220x110h mm; weight: 4.75 Kg.



5230

Low frequency signal generator & amplifier

5718

It is a generator of precision signals, amplified in power. It is able to generate sine waves, square waves and triangular waves. The frequency of the main generator varies from 0.1 Hz to 100 KHz. The maximum output power is 4W. Equipped with LED display showing the frequency. The output is taken from either 4Ω or 600Ω 4mm white socket. This instrument is particularly suitable for teaching and for scientific research.

Technical data

4Ω and 600Ω output	Output width: 11V peak to peak
Auxiliary input for the amplifier stage	Frequency range: 0.1 Hz - 100 kHz
Output attenuator 1x / 0.1X / 0.01X (on the 600ohm output)	Electrical Supply: 220-240V AC 50-60Hz
Wave shape: sine, square and triangular	Dimensions: 255x220x110mm overall
Output power: 4W (into 4Ω load)	weight: 3,2 Kg



5718

Digital timer

1427

This timer is useful for the study of time and motion concepts.

Technical data

Ranges: 0 - 9.999s; 10 - 99.99s; 100 - 999.9s; 1000 - 9999s.	Weight: 1.6 kg
Power supply: 220-240 V a.c. 50-60 Hz	Accuracy: ±0.01%
Dimensions: 179x190x85 mm	



1427