P SEPARATION FILTRATION

PBB - Glass apparatus/Pieces

Simple and fractional distillation equipment

The main purpose of distillation is to separate a liquid mixture whose components have different boiling points, or to separate volatile from non-volatile components.
This may be done in a single evaporation/condensation process, as in simple distillation, or by successive simple distillations taking place in a fractionating column, as in fractional distillation, with a progressive enrichment of the mixture in the most volatile component and used when the boiling points of the components differ by less than 25°C.

1| Made of borosilicate glass with 29/32 frosted joints.

Code	Description
PBB001	Simple distillation equipment, 250 mL
PBB002	Fractional distillation equipment, 250 mL
Composed of:	
	PBL015 - Round bottom flask, 29/32, 250 mL PBN010 - Refrigerante Liebig 300 mm PBP002* - Vigreux column ground joint 29/32, 320 mm PBQ028 - 75º glass adapter for thermometers PBQ031 - Bent distillation adapter joint 29/32, 100 mm KJB011 - Yellow solid-stem thermometer, red spirit, -10/110 FCM010 - Plastic clip for joint 29/32, red (3 units in PBB001 and 4 units in PBB002)

** fractional distillation equipment PBB002*
***Stand assebly not included*

Clevenger apparatus, "light" essential oil determination

1| Essential oil determination for oil lighter than water.
2| Heat resistant low expansion 3.3 borosilicate glass.
3| Extractor with a capacity of 10 mL and subdivisions of 0.10 mL.

Code	Description
PBB018	Clevenger apparatus
Composed of	
	Round bottom flask 24/29, 1000 mL Liebig condenser 24/29, 300 mm

PBB - Glass apparatus/Pieces

García Tena kit

The routine control of volatile acidity (volatile fatty acids of the acetic series) during the production of wines, ciders, etc., allows for the determination of the fermentation status of the musts, and since its content is limited by law, it helps to establish the quality of the final product and foresee the requirements for its preservation.
Among the various methods used in its calculation is the García Tena method, an approximate method by which the concentration of acetic acid, a secondary product mostly derived from alcoholic fermentation, is determined.
This acid is volatile, which is why its determination is referred to as volatile acidity, and it is responsible for the unpleasant "spoiled" smell, with elevated presence in the wine being considered a negative characteristic.
The García Tena method is based on the separation of volatile acids from the wine through fractional distillation, followed by an acid-base titration of the second portion of the distillate. Endo Glassware offers a complete kit for the determination of volatile acidity, which includes all the necessary elements to carry out this analysis.

The glass components are made from borosilicate glass and feature 14/23 ground joints. Each component of the kit can also be purchased separately for the replacement of damaged parts.

Code	PBB003
Composed of	
	CDB013- 1 Erlenmeyer flask, 50 mL DNB007 - 1 Graduated burette, 10 mL PBN006 - 1 Condenser Liebig, 120 mm DJJ005 - 1 Volumetric pipette, 11 mL PBZ001 - 1 Volumetric cylinder, 5.1 mL PBZ002 - 1 Volumetric cylinder, 3.2 mL FFJ002 - 1 Alcohol lamp 100 mL PNB001 - 1 Short stem funnel, 40 mm PBL004 - 1 Round bottom flask, 50 mL PBQ034 - 1 Double bent piece, ground joint 14/23 FCG008 - 2 Clamp with rotary bosshead FCB006 - 1 Retort stand, 100x175 mm FCM007 - POM clip for ground joints (2 units) FCV006 - 1 Closed retort ring with bosshead, 80 mm KJB011 - Yellow solid-stem thermometer -10/110ºC

PBB - Glass apparatus/Pieces

Simple and Fractional Distillation Equipment

YouTube

Equipment for simple and fractional distillation, highly useful in chemistry laboratories or for teaching purposes. Simple distillation is a technique used for the separation of liquids (with a boiling point <150º C) from non-volatile impurities and is also employed for the separation of two miscible liquids whose boiling points are below 150º C and differ by at least 25º C.

Code	Description
PBB015	Simple distillation equipment, 250 mL
PBB016	Fractional distillation equipment, 250 mL
Composed of	
	PBL015 - 1 Round bottom flask, 250 mL
	PBQ118 - 1 Bend piece, 75º
	PBQ113 - 1 Adapter for thermometer
	KJB011 - 1 Thermometer -10º C to +110 ºC
	PBN038 - 1 Liebig condenser, 250 mm
	PBQ119 - 1 Bend distillation adapter, 65 mm (PBQ119)
	FCM010 - 4 Clips
	PBP002* - 1 Vigreux column, 320 mm

Apparatus for determination volatile oil in drugs

The essential oils contained in drugs and which usually contain active ingredients are generally volatile oils and can be extracted by a steam distillation process carried out with this glass apparatus.

Code	Capacity	Flask	Frosted
PBB009	1 mL	1000 mL	29/32

PBB - Glass apparatus/Pieces

Gas generator Kipp

The Kipp device, also called a Kipp generator, is used to generate small volumes of gas (CO2, H2S, H2, O2, etc.) at room temperature.
1| Made of borosilicate glass.
2| Three chambers interconnected by frosted joints.

Code	Description	Capacity
PBB007	Gas generator Kipp	500 mL
PBB008	Gas generator Kipp	1000 mL

PBC - Soxhlet extractors

50 mL

Code	PBC001
Composed of	
	PBN026 - Refrigerante Dimroth, 29/32
	PBR001 - Extractor body, 19/26 and 29/32
	PBK003 - Flat bottom flask 100 mL, 19/26
Extraction thimbles	PBD006 - 30x26x100 mm*

** not included*

125 mL

Code	PBC002
Composed of	
	PBN027 - Dimroth condenser, 45/40
	PBR002 - Extractor body, 29/32 and 45/40
	PBK008 - Flat bottom flask 250 mL, 29/32
Extraction thimbles	PBD008, 36x33x80 mm*

** not included*

250 mL

Code	PBC003
Composed of	
	PBN028 - Refrigerante Dimroth, 55/44
	PBR004 - Extractor body, 29/32 and 55/44
	PBK010 - Flat bottom flask 500 mL, 29/32
Extraction thimbles	PBD010, 36x33x100 mm*

** not included*

PBC - Soxhlet extractors

100 mL

Code	Description
PBC004	Complete 100 mL Soxhlet extractor, Allihn type
PBC009	Complete 100 mL Soxhlet extractor, Dimroth type
Composed of	
	Allihn and Dimroth condenser, 45/40 Extractor, 45/40 y 29/32 Round bottom flask 250 mL, 29/32

150 mL

Code	Description
PBC005	Complete 150 mL Soxhlet extractor, Allihn type
PBC010	Complete 150 mL Soxhlet extractor, Dimroth type
Composed of	
	Allihn and Dimroth condenser, 45/40 Extractor, 45/40 and 29/32 Round bottom flask 500 mL, 29/32

250 mL

Code	Description
PBC006	Soxhlet extractor condenser, Allihn type
PBC011	Soxhlet extractor condenser, Dimroth type
Composed of	
	Allihn and Dimroth condenser, 45/40 Extractor, 45/40 and 29/32 Round bottom flask 500 mL, 29/32

500 mL

Code	Description
PBC007	Soxhlet extractor condenser, Allihn type
PBC012	Soxhlet extractor condenser, Dimroth type
Composed of	
	Allihn and Dimroth condenser, 60/46 Extractor, 60/46 and 29/32 Round bottom flask 1000 mL, 29/32

1000 mL

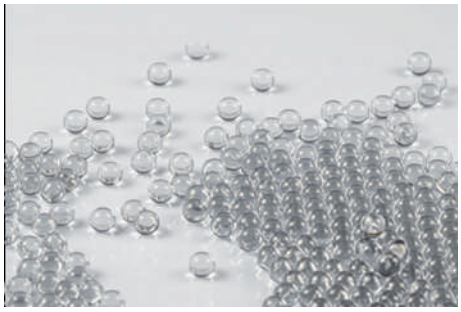
Code	Description
PBC008	Soxhlet extractor condenser, Allihn type
PBC013	Soxhlet extractor condenser, Dimroth type
Composed of	
	Allihn type condenser, 71/55 Extractor, 71/55 and 29/32 Round bottom flask 2000 mL, 29/32

PBD - Soxhlet extractors, thimbles

1| Manufactured in pure cellulose cotton free of fat and high mechanical resistance.
2| For solid-liquid extraction type Soxhlet, Kumagawa and other extraction equipment
3| Application in food industry, air pollution analysis, cosmetics, pharmacology, etc...

Code	Ø internal	Ø external	Height	Box of (uds.)
PBD001	14 mm	16 mm	30 mm	25
PBD003	19 mm	22 mm	90 mm	25
PBD002	18 mm	22 mm	60 mm	25
PBD004	22 mm	26 mm	60 mm	25
PBD005	23 mm	27 mm	80 mm	25
PBD022	26 mm	30 mm	60 mm	25
PBD006	26 mm	30 mm	100 mm	25
PBD007	29 mm	34 mm	80 mm	25
PBD008	33 mm	36 mm	80 mm	25
PBD009	33 mm	36 mm	94 mm	25
PBD010	33 mm	36 mm	100 mm	25
PBD011	34 mm	37 mm	130 mm	25
PBD012	37 mm	41 mm	123 mm	25
PBD013	38 mm	41 mm	150 mm	25
PBD014	41 mm	47 mm	123 mm	25
PBD015	46 mm	52 mm	165 mm	25
PBD016	54 mm	58 mm	170 mm	25
PBD017	58 mm	62 mm	170 mm	25
PBD018	65 mm	70 mm	240 mm	25
PBD019	75 mm	80 mm	200 mm	25
PBD020	75 mm	80 mm	250 mm	25
PBD021	92 mm	95 mm	250 mm	25

PBF - Glass balls



1| Manufactured from soda-lime glass.

Code	Diameter	Bag of
PBF023	1 mm	1 kg
PBF015	1 mm	20 kg
PBF009	2 mm	0,5 kg
PBF001	2 mm	1 kg
PBF010	3 mm	0,5 kg
PBF002	3 mm	1 kg

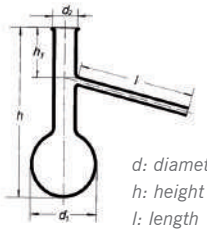
PBF - Glass balls

Code	Diameter	Bag of
PBF017	3 mm	20 kg
PBF011	4 mm	0,5 kg
PBF003	4 mm	1 kg
PBF012	5 mm	0,5 kg
PBF004	5 mm	1 kg
PBF019	5 mm	20 kg
PBF013	6 mm	0,5 kg
PBF005	6 mm	1 kg
PBF020	6 mm	20 kg
PBF021	7 mm	0,5 kg
PBF006	7 mm	1 kg
PBF027	7 mm	20 kg
PBF014	8 mm	0,5 kg
PBF007	8 mm	1 kg
PBF024	10 mm	1 kg

PBG - Flasks, distillation

BORO 3.3

DIMENSIONS



d: diameter
h: height
l: length

Glass piece specially designed to perform the simple distillation process by connecting a coolant to the side arm and a control thermometer in the mouth.
1| Made of borosilicate glass.

Code	Cap.	d2	h.	l.
PBG001	100 mL	15 mm	174 mm	100 mm
PBG002	250 mL	19 mm	216 mm	120 mm
PBG003	500 mL	24 mm	275 mm	150 mm
PBG004	1000 mL	28 mm	320 mm	180 mm

BORO 3.3

Ref.	Cap.	Ø tube	h.	l.
PBG005	100 mL	22 mm	150 mm	200 mm
PBG006	250 mL	34 mm	200 mm	200 mm
PBG007	500 mL	34 mm	250 mm	200 mm

PBH - Flasks, Erlenmeyer

Female Joint

ISO 4797

BORO 3.3

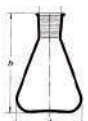
Code	Cap.	Frosted	d.	h.
PBH001	25 mL	14/23	42 mm	75 mm
PBH002	25 mL	19/26	42 mm	75 mm
PBH003	50 mL	14/23	51 mm	85 mm
PBH004	50 mL	19/26	51 mm	85 mm
PBH005	50 mL	24/29	64 mm	85 mm
PBH006	50 mL	29/32	64 mm	85 mm
PBH007	100 mL	14/23	64 mm	105 mm
PBH008	100 mL	19/26	64 mm	105 mm
PBH009	100 mL	24/29	64 mm	105 mm
PBH010	100 mL	29/32	64 mm	105 mm
PBH011	150 mL	19/26	72 mm	118 mm
PBH012	150 mL	29/32	72 mm	118 mm
PBH032	150 mL	24/29	72 mm	118 mm
PBH033	200 mL	29/32	79 mm	131 mm
PBH013	250 mL	19/26	85 mm	140 mm
PBH014	250 mL	24/29	85 mm	140 mm
PBH015	250 mL	29/32	85 mm	140 mm
PBH034	300 mL	29/32	87 mm	156 mm
PBH035	500 mL	19/26	105 mm	175 mm
PBH016	500 mL	24/29	105 mm	175 mm
PBH017	500 mL	29/32	105 mm	175 mm
PBH018	1000 mL	29/32	131 mm	220 mm
PBH036	1000 mL	29/32	87 mm	156 mm
PBH037	2000 mL	34/35	166 mm	270 mm
PBH019	2000 mL	29/32	166 mm	280 mm

ISO 4797

BORO 3.3

Dimensions

d: diameter
h: height



1| Frosted mouth for connection and assembly.
2| White graduation and marking surface. For other volumes or frosted, please consult.

Code	Cap.	Frosted	d.	h.
PBH020	50 mL	19/26	51 mm	85 mm
PBH021	100 mL	19/26	64 mm	105 mm
PBH022	100 mL	29/32	64 mm	105 mm
PBH023	250 mL	29/32	85 mm	140 mm
PBH024	250 mL	45/40	85 mm	140 mm
PBH025	500 mL	29/32	105 mm	175 mm
PBH026	500 mL	45/40	105 mm	175 mm
PBH027	1000 mL	29/32	131 mm	215 mm
PBH028	1000 mL	45/40	131 mm	215 mm
PBH029	2000 mL	45/40	166 mm	275 mm
PBH031	5000 mL	45/40	220 mm	365 mm

PBH - Flasks, Erlenmeyer

Erlenmeyer flask cone

BORO 3.3

1| Suitable for filtration equipment.
2| Ungraded

Code	Capacity	Frosted
PBH030	1000 mL	40/35

BORO 3.3

Code	Capacity	Frosted
PBH038	1000 mL	40/35
PBH039	2000 mL	40/35

Amber

Code	Capacity	Frosted
PBH515	250 mL	29/32

PBJ - Flasks, evaporation

BORO 3.3

1| Evaporation flask suitable for rotary evaporators.
2| Frosted mouth.

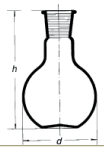
Code	Cap.	Frosted
PBJ001	50 mL	29/32
PBJ002	100 mL	29/32
PBJ007	100 mL	24/29
PBJ003	250 mL	29/32
PBJ008	250 mL	24/29
PBJ004	500 mL	29/32
PBJ009	500 mL	24/29
PBJ005	1000 mL	29/32
PBJ010	1000 mL	24/29
PBJ006	2000 mL	29/32

PBK - Flasks, flat bottom

BORO 3.3

Flat bottom flask

d:diameter
h: height



1| Flat bottom spherical flask with frosted mouth.
2| Complies with USP regulations.

Code	Cap.	Frosted	Height	Diameter
PBK001	50 mL	14/23	85 mm	51 mm
PBK002	50 mL	29/32	85 mm	51 mm
PBK018	50 mL	19/26	85 mm	51 mm
PBK019	50 mL	24/29	85 mm	51 mm
PBK003	100 mL	19/26	103 mm	64 mm
PBK004	100 mL	24/29	103 mm	64 mm
PBK005	100 mL	29/32	103 mm	64 mm
PBK006	250 mL	19/26	130 mm	85 mm
PBK007	250 mL	24/29	130 mm	85 mm
PBK008	250 mL	29/32	130 mm	85 mm
PBK009	500 mL	24/29	160 mm	105 mm
PBK010	500 mL	29/32	160 mm	105 mm
PBK011	1000 mL	24/29	187 mm	131 mm
PBK012	1000 mL	29/32	187 mm	131 mm
PBK013	2000 mL	29/32	230 mm	166 mm

PBK - Flasks, flat bottom

1 neck

BORO 3.3

1| Flat bottom spherical flask with frosted mouth. Complies with USP regulations. For other volumes or frosted, please consult.

Code	Cap.	Frosted	Height	Diameter
PBK014	100 mL	29/32	110 mm	64 mm
PBK015	250 mL	29/32	140 mm	85 mm
PBK016	500 mL	29/32	170 mm	105 mm
PBK017	1000 mL	29/32	200 mm	131 mm
PBK024	2000 mL	29/32	250 mm	166 mm
PBK025	4000 mL	45/40	300 mm	207 mm
PBK026	10000 mL	60/46	400 mm	279 mm

1| Amber glass

Code	Cap.	Frosted
PBK507	100 mL	29/32
PBK508	250 mL	29/32
PBK509	500 mL	29/32

PBL - Flasks, round bottom

1 necks

BORO 3.3

ISO 4797

1| Round bottom spherical flask with frosted mouth. For other volumes or frosted, please consult.

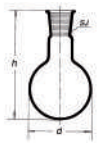
Code	Cap.	Frosted	d.	h.
PBL023	100 mL	29/32	115 mm	64 mm
PBL024	250 mL	29/32	145 mm	85 mm
PBL025	500 mL	29/32	175 mm	105 mm
PBL026	1000 mL	29/32	210 mm	131 mm
PBL027	2000 mL	29/32	260 mm	166 mm

PBL - Flasks, round bottom

1 neck

DIMENSIONS

d: width
h: height



BORO 3.3

ISO 4797

1| Round bottom spherical flask with frosted mouth.
2| Complies with USP and ISO/DIN 4797 standards except for articles (*). For other volumes or frosted, please consult.

Code	Cap.	Frosted	h.	d.
PBL001	10 mL	14/23	35 mm	70 mm
PBL002	25 mL	14/23	85 mm	41 mm
PBL003	25 mL	19/26	85 mm	41 mm
PBL004	50 mL	14/23	90 mm	51 mm
PBL005	50 mL	19/26	90 mm	51 mm
PBL006	50 mL	24/29	95 mm	51 mm
PBL007	50 mL	29/32	95 mm	51 mm
PBL008	100 mL	14/23	105 mm	64 mm
PBL009	100 mL	19/26	105 mm	64 mm
PBL010	100 mL	24/29	105 mm	64 mm
PBL011	100 mL	29/32	105 mm	64 mm
PBL036	150 mL	24/29	137 mm	75 mm
PBL037	150 mL	29/32	137 mm	75 mm
PBL012	250 mL	14/23	140 mm	85 mm
PBL013	250 mL	19/26	140 mm	85 mm
PBL014	250 mL	24/29	140 mm	85 mm
PBL015	250 mL	29/32	140 mm	85 mm
PBL016*	500 mL	19/26	163 mm	105 mm
PBL017	500 mL	24/29	163 mm	105 mm
PBL018	500 mL	29/32	163 mm	105 mm
PBL019	1000 mL	24/29	200 mm	131 mm
PBL020	1000 mL	29/32	200 mm	131 mm
PBL040	1000 mL	19/26	200 mm	131 mm
PBL021	2000 mL	24/29	240 mm	166 mm
PBL022	2000 mL	29/32	240 mm	166 mm
PBL032	2000 mL	34/35	240 mm	165 mm
PBL043	3000 mL	29/32	260 mm	185 mm
PBL033	4000 mL	45/40	315 mm	207 mm
PBL041	5000 mL	45/40	305 mm	223 mm
PBL044	5000 mL	29/32	305 mm	223 mm
PBL042	10000 mL	45/40	380 mm	279 mm

PBL - Flasks, round bottom

2 - 3 necks

BORO 3.3

DIN 12394

1| Round bottom spherical flask with frosted mouth. USP compliant. For other volumes or frosted, please consult.

Code	Cap.	Neck	Frosted 1	Frosted 2	Frosted 3	Height
PBL028	250 mL	2	24/29	19/26	-	140 mm
PBL046	250 mL	2	29/32	14/23	-	140 mm
PBL048	250 mL	3	19/26	19/26	19/26	140 mm
PBL049	250 mL	3	24/29	14/23	14/23	140 mm
PBL029	500 mL	2	24/29	19/26	-	163 mm
PBL047	500 mL	2	29/32	14/23	-	163 mm
PBL031	500 mL	3	29/32	29/32	29/32	163 mm
PBL050	500 mL	3	24/29	16/26	16/26	163 mm
PBL030	1000 mL	3	29/32	29/32	29/32	200 mm
PBL051	2000 mL	3	29/32	24/29	24/29	240 mm

BORO 3.3

Code	Cap.	Neck	Frosted 1	Frosted 2	Frosted 3
PBL058	1000 mL	3	29/32	29/32	14/23
PBL059	1000 mL	2	29/32	14/23	-

PBM - Flasks, pear-shape

Pear shaped flask

BORO 3.3

Code	Capacity	Frosted	Neck
PBM001	25 mL	14/23	1
PBM002	50 mL	14/23	2
PBM005	50 mL	14/23	1
PBM006	100 mL	14/23	1
PBM008	100 mL	14/23	2

PBN - Condensers

Allihn condenser

BORO 3.3

1| 5-ball coolant with double frosted mouth. For applications requiring reflux.

Code	Usefull lenght	Total lenght	Frosted
PBN001	160 mm	280 mm	14/23
PBN002	250 mm	386 mm	29/32

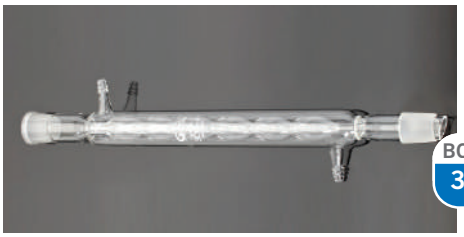
Allihn 6 ball

BORO 3.3

1| Six-ball condenser with double ground joints. For applications requiring reflux.

Code	Useful length	Male frosted	Female frosted
PBN049	300 mm	29/32	29/32
PBN055	300 mm	24/29	24/29

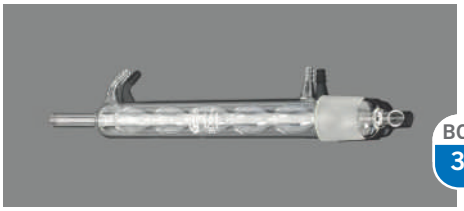
Allihn



BORO 3.3

Code	Lenght	Frosted
PBN041	160 mm	19/26
PBN042	250 mm	24/29

Allihn for Soxhlet



BORO 3.3

Code	Lenght	Frosted	For extractor of
PBN032	300 mm	45/40	100 mL
PBN039	400 mm	60/46	500 mL

PBN - Condensers

Liebig West

BORO 3.3

1| Double frosted liner coolant except (*). For distillations that require little cooling.

Code	Usefull lenght	Total lenght	Frosted
PBN005	100 mm	220 mm	14/23
PBN006*	120 mm	250 mm	14/23 (Female)
PBN007	150 mm	270 mm	14/23
PBN008	200 mm	350 mm	19/26
PBN009	200 mm	310 mm	14/23
PBN036	200 mm	370 mm	24/29
PBN010	300 mm	460 mm	29/32
PBN011	300 mm	450 mm	19/26
PBN012	400 mm	560 mm	29/32

BORO 3.3

Code	Usefull lenght	Frosted
PBN065	160 mm	14/23
PBN035	160 mm	19/26
PBN038	250 mm	29/32
PBN059*	300 mm	29/32
PBN045*	400 mm	24/29

** No DIN*

Liebig condenser

BORO 3.3

Code	Usefull lenght	Total lenght
PBN014	200 mm	350 mm
PBN015	200 mm	400 mm

PBN - Condensers

Coil condenser

BORO 3.3

1| It has an inner coil where the steam circulates and condenses.
2| The coolant circulates outside the coil.
3| For distillations that require prolonged cooling.

Code	Usefull lenght	Total lenght	Female	Male
PBN016	120 mm	195 mm	–	–
PBN017	120 mm	205 mm	14/23	–
PBN018	120 mm	215 mm	14/23	14/23
PBN019	160 mm	270 mm	14/23	–
PBN020	200 mm	300 mm	–	45/40
PBN021	250 mm	400 mm	19/26	–
PBN022	350 mm	460 mm	–	–
PBN023	350 mm	470 mm	29/32	–

BORO 3.3

Code	Usefull lenght	Female	Male
PBN037	400 mm	29/32	29/32

Dimroth condenser

BORO 3.3

1| They have an inner coil where the coolant circulates.
2| Vapour circulates outside the coil.
3| For distillations that require prolonged cooling.

Code	Usefull lenght	Total lenght	Female	Male
PBN025	160 mm	300 mm	14/23	14/23
PBN024	250 mm	400 mm	29/32	29/32

PBN - Condensers

Dimroth for Soxhlet

BORO 3.3

Code	Usefull lenght	Total lenght	Frosted
PBN027	180 mm	310 mm	45/40
PBN028	200 mm	360 mm	55/44

Dimroth for Soxhlet

BORO 3.3

Code	Usefull lenght	Frosted	Extractor
PBN033	300 mm	14/23	100 mL
PBN046	400 mm	29/32	250 mL
PBN040	400 mm	60/46	500 mL
PBN034	400 mm	71/55	1000 mL

Cold finger condenser

BORO 3.3

1| It allows to have a localized cold spot.

Code	Frosted male	Olive
PBN029	14/23	13 mm

PBP - Distillation columns

Vigreux column

BORO 3.3

Code	Lenght	Frosted
PBP001	300 mm	14/23
PBP002	320 mm	29/32

PBQ - Connectors/Adapters

Extension adapter

BORO 3.3

DIN 12257

1| They comply with DIN 12257 except (*). For other measurements, please consult.

Code	Male frosted	Female frosted
PBQ001	14/23	29/32
PBQ002	19/26	29/32
PBQ003	24/29	29/32
PBQ087	24/29	14/23
PBQ089	24/29	19/26

Adapter reduction

BORO 3.3

DIN 12257

1| They comply with DIN 12257 except (*). For other measurements, please consult.

Code	Frosted male	Frosted female
PBQ007*	24/29	14/23
PBQ008	29/32	14/23
PBQ009	29/32	19/26
PBQ010*	29/32	24/29
PBQ083	29/32	24/29
PBQ092	2x 14/23	14/23
PBQ120	45/40	29/32

Male ground joint

BORO 3.3

ISO 383

DIN 12249

Code	Frosted	Ø ext x L
PBQ012	12/21	9x120 mm
PBQ013	14/23	13x120 mm
PBQ014	19/26	16x120 mm
PBQ072	24/29	22x135 mm
PBQ073	29/32	26x135 mm
PBQ125	10/19	8x115 mm
PBQ126	34/35	30x135 mm
PBQ127	40/38	36x90 mm
PBQ128	50/42	45x140 mm
PBQ129	55/44	50x140 mm

PBQ - Connectors/Adapters

Double bent piece

Code	Diameter	Lenght	Frosted
PBQ021	7 mm	160 mm	-
PBQ022	12 mm	250 mm	-
PBQ034	7 mm	160 mm	14/23 (mm)
PBQ035	25 mm	280 mm	29/32 (mm)

Glass adapter for thermometers

1 | With threaded plug for coupling control thermometer.

Code	Screw	Frosted	Angle
PBQ026	13	14/23 (M)	-
PBQ027	8	14/23 (M/M)	75º
PBQ028	18	29/32 (M/M)	75º

Glass adapter for thermometers

1 | With threaded plug for coupling control thermometer.

Code	Screw	Frosted
PBQ111	6	19/26
PBQ112	6	24/29
PBQ113	6	29/32

PBQ - Connectors/Adapters

Connecting adapter with hose

Code	Frosted	Ø olive
PBQ029	14/23 (M/H)	10 mm

Bent distillation adapter joint

Code	Lenght	Angle	Frosted
PBQ031	100 mm	105º	29/32

Bends plain lenght

Code	Frosted	Lenght
PBQ067	24/29	65 mm
PBQ119	29/32	65 mm
PBQ160	14/23	65 mm
PBQ161	19/26	65 mm

Bent distillation adapter joint

Code	Frosted	Lenght
PBQ030	14/23	130 mm
PBQ068	29/32	200 mm
PBQ095	19/26	200 mm
PBQ142	24/29	200 mm

PBQ - Connectors/Adapters

Claisen adapter

BORO 3.3

Code	Frosted
PBQ041	29/32

Receiver adapter for 2 flasks

BORO 3.3

Code	Frosted	Ø olive
PBQ033	14/23 (M/H)	10 mm

Supple connector PTFE

DIN 12242

APTO

Code	Usefull lenght	Total lenght	Frosted
PBQ036	20.65 mm	24.11 mm	112.83 mm
PBQ037	25.70 mm	29.63 mm	130.34 mm
PBQ038	31.36 mm	34.40 mm	117.44 mm

Bends with vent sock

BORO 3.3

Code	Female	Male
PBQ099	14/23	14/23
PBQ100	19/26	19/26
PBQ101	19/26	24/29

PBQ - Connectors/Adapters

Adapter, Still Head Plain Socket

BORO 3.3

Code	Thermometer holder	Flask cone	Condenser cone
PBQ023	14/23	14/23	14/23
PBQ024	14/23	19/26	19/26
PBQ025	14/23	24/29	24/29
PBQ118	29/32	29/32	29/32
PBQ153	14/23	24/29	19/26
PBQ154	14/23	29/32	29/32

Bends plain socket

BORO 3.3

Code	Female	Male
PBQ105	19/26	19/26
PBQ106	19/26	24/29
PBQ110	29/32	29/32
PBQ151	14/23	14/23

Receiver adapter with vaccum connection

Code	Female	Male
PBQ143	14/23	14/23
PBQ144	14/23	19/26
PBQ145	19/26	19/26
PBQ146	19/26	24/29
PBQ147	24/29	24/29
PBQ148	24/29	29/32
PBQ149	29/32	29/32

PBQ - Connectors/Adapters

Adapter "T" piece sock

Code	Female	Male
PBQ108	14/23	14/23
PBQ109	14/23	19/26

Receiver adapters

Code	Female	Male
PBQ150	2x 19/26	2x 19/26

Recovery bend sloping

Code	Frosted 1	Frosted 2
PBQ152	29/32	29/32

Adapter cone to rubber tubing 45°

Code	Frosted
PBQ156	14/23
PBQ157	19/26

PBQ - Connectors/Adapters

Splash head, vertical, Cone

Code	Frosted 1	Frosted 2
PBQ155	29/32	29/32

Chemistry Set 9 Items

Composed for: 50 mL pear-shaped flask, size 14/23, Angled connector, esm.14/23, Liebig condenser, 150 mm, esm.14/23, Adapter for thermometer with thread, esm.14/23, Angled terminal, esm.14/23, Steam inlet tube, esm.14/23, Decanting funnel, esm.14/23, Glass stopper, esm.14/23, Thermometer, 0-360° C

Code	Description
PBQ116	Chemistry Set 9 Items

Chemistry Set 16 Items

Code	Description
PBQ117	Chemistry Set 16 Items

Composed for:

Angled connector, Frosted female: 14/23; male: 19/26
Angled terminal, Frosted: 19/26; male: 24/29
Air/steam output, Frosted case: 19/26
Liebig condenser, Frosted female: 19/26; male: 19/26
Decanting funnel, 100 mL, Frosted female and male: 19/26
Reducing connector, Frostedfemale: 19/26; male: 24/29
Multiple adapter, Frosted female: 19/26; male: 24/29
Flask round bottom, 50 mL, Frosted female: 24/29
Flask round bottom, 100 mL, Frosted female: 24/29
Flask round bottom, 250 mL, Frosted female: 24/29
Flask Erlenmeyer, 250 mL, Frosted female: 24/29
Glass stopper, Frosted male: 19/26
Glass stopper, Frosted male: 19/26
Thermometer adapter, Frosted case: 14/23
Angled terminal, Frosted female: 19/26
Glass stopper, Frosted male: 24/29

PBR - Extractor bodies

ENDO glassware

BORO 3.3

Code	Capacity	Frosted male	Frosted female
PBR001	50 mL	19/26	29/32
PBR002	125 mL	29/32	45/40
PBR004	250 mL	29/32	55/44

GLASSCO

BORO 3.3

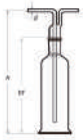
Code	Capacity	Frosted male	Frosted female
PBR005	100 mL	29/32	45/40
PBR006	250 mL	29/32	45/40
PBR007	500 mL	29/32	60/46
PBR008	1000 mL	29/32	71/55

PBS - Gas washing bottles

Bottle gas washing

SIMAX CZECH REPUBLIC

DIMENSIONS



h: height
d: tube diameter

Code	Cap.	d.	h.	h1
PBS001	100 mL	40 mm	200 mm	250 mm
PBS002	250 mL	54 mm	200 mm	250 mm
PBS003	500 mL	77 mm	200 mm	250 mm
PBS004	1000 mL	110 mm	200 mm	250 mm

Adapter for gas washing bottle

SIMAX CZECH REPUBLIC

Dimensions

h: height
d: tube diameter

Code	d.	h1	h2	l	Frosted
PBS005	8 mm	180 mm	50 mm	40 mm	29/32

PBS - Gas washing bottles

Bottle Dreschler without lid

SIMAX CZECH REPUBLIC

Code	Capacity	Diameter	Height
PBS009	100 mL	40 mm	200 mm
PBS008	250 mL	54 mm	200 mm

PBT - Woolf bottles

SIMAX CZECH REPUBLIC

Dimensiones

SJ1: diameter1.
SJ2: diameter2.

Code	Cap.	SJ1	SJ2
PBT005	1000 mL	24/29	19/26
PBT002	5000 mL	45/40	24/29

PBV - Tubes

Buchi digestion tube

ENDO glassware

BORO 3.3

Code	Lenght	Constriction	Diameter	Digestor
PBV001	300 mm	Yes	42 mm	Buchi
PBV002	300 mm	No	42 mm	Tecator et autres

PBV - Tubes

Storage tube with hose connection

Code	Capacity	Frosted	Ø olive
PBV004	20 mL	a14/23	10 mm

Drying tube

Code	Frosted
PBV003	14/23

Glass tube connection

Code	Ø	Angle	Dimensions
PBV005	8	90°	100x100 mm
PBV006	8 mm	2x 90°	200x200x100 mm
PBV007	7 mm	90°	100x100 mm
PBV008	7 mm	90°	200x100 mm
PBV009	7 mm	2x90°	200x100x100 mm
PBV010	7 mm	2x90°	200x200x100 mm
PBV011*	7 mm	2x90°	100x210x200 mm
PBV012*	7 mm	90° and 120°	50x200x200 mm

** with hook*

PBV - Tubes

Air inlet tube

Code	Frosted male	Length
PBV019	14/23	150mm
PBV020	19/26	150mm
PBV021	24/29	150mm

Tube drying

Code	Frosted
PBV026	19/26

Glass tube connection with picklock

Code	Ø	Angle	Dimensions	Trademark
PBV022	7 mm	90°	200x200	Simax
PBV023	7 mm	2x90°	200x200	Endo Glassware

PBZ - Others

Volumetric cylinder

Code	Capacity	Diameter	Height
PBZ001	5,1 mL	12 mm	110 mm
PBZ002	3,2 mL	12 mm	110 mm

PBZ - Others

Willstatter filter

1| For the Garcia Tena method of volatile acidity.

Code	Frosted	Diameter
PBZ003	14/23	45 mm

Lining for glass tapers

1| Designed to protect frosted glass cones. Made of PTFE.

Code	Frosted	Ø interior	Lot
PBZ006	7,5/16	6 mm	**10**
PBZ007	10/19	8 mm	**10**
PBZ008	12/21	10 mm	**10**
PBZ009	14/23	12 mm	**10**
PBZ010	19/26	16 mm	**10**
PBZ011	24/29	21 mm	**10**
PBZ012	29/32	26 mm	**10**
PBZ013	34/35	31 mm	**10**
PBZ014	45/40	42 mm	**10**

Gas collecting tube

Code	Capacity
PBZ019	60 mL
PBZ020	125 mL
PBZ021	150 mL

PBZ - Others

Silicone grease

Code	Description	Weight
PBZ022	Silicone grease for cones and sockets	50 g

PDB - Demineralizers

Demineralizer of water LAB-ION L2

1| Wall deionizer to obtain purified water. Residue of calcination less than 1mg/litre.
2| Inactinic, bio-destructible and economical replacement cartridge.
3| Supplied complete with wall support.

Code	PDB001
Ultra-pure water	0,1-20 μS/cm
Distillation capacity (máx.)	40 L/h (a 4 bar)
Capacity (máx.)	810 L (a 5ºdH)
Resin	Disposable mixed bed
Dimensions	115 x 515 mm
Power	110-220V, 50/60 Hz

Accessories - NOT included

Cartridge for demineralizator

Code PDD001

PDB - Demineralizers

Water purification system Basic 5

1| The purified water, depending on the flow rate of the tap water, has a conductivity ranging from 0,2 to 0,8 μS/cm and meets the requirements of ISO 3696: 1999 (Water for analytical laboratory use. Specification and test methods.) for grades II.

2| Tap water requirements:

- Conductivity: < 1200 μS/cm
- Minimum pressure: 3 bar
- Temperature: 4-40ºC
- Hardness < 250 mg $CaCO_3$/dm^3
- Iron < 0,2 mg/dm^3

3| Without reverse osmosis (RO) process.

Code	PDB007
Water supply	Tap water
Dimensions	235x440x510 mm
Purified water production capacity	5 L
Purified water production conductivity	0,06-0,8 μS/cm
Alerts	Messages/alarms from monitoring
Modules	Interchangeable and easy replacement
Software	External
Pressure gauge	For feed water

ACCESORIES HYDROLAB BASIC 5 - COMPATIBLE REPLACEMENTS

Integrated module A2
Code *PDD007**

Pre-filter cartridge 5 μm 10"
Code *PDD008**

Ion exchange module H6
Code *PDD010*

** The cartridge's lifespan may vary depending on the flow rate, its characteristics, and the level and type of mineralization in the mains water.*
*** The volume of treated water depends on the feed water quality, with a maximum of dissolved salts in the feed water of 1200 mg/l*

Water purification system HLP Smart

1| The purified water has a conductivity of less than 0,06 μS/cm and meets the requirements of the ISO 3696: 1999 (Water for analytical laboratory use. Specification and test methods) for grade 2 water.

2| Tap water requirementes:

- Conductivity < 1200 μS/cm
- Minimum pressure: 3 bar
- Temperature: 4-40ºC
- Hardness < 250 mg $CaCO_3$/dm^3
- Iron < 0,2 mg/dm^3

Code	PDB006	PDB006.40
Water supply	Tap water	
Dimensions	200x370x430 mm	
Purified water production capacity	4 L/h*	
Purified water conductivity	< 0,06 μS/cm	
Alerts	Messages/alarms from monitoring	
Modules	Interchangeable and easy replacement	
Software	External	
Pressure gauge	For tap water	
Storage tank	10L *(purified water)*	40L *(purified water)*

** available for capacities from 5 to 60 L/h*

ACCESORIES HYDROLAB HLP SMART - COMPATIBLE REPLACEMENTS

Integrated module A2
Code *PDD007**

Pre-filter cartridge 5 μm 10"
Code *PDD008**

Module H7 ion exchange
Code *PDD009***

** The cartridge's lifespan may vary depending on the flow rate, its characteristics, and the level and type of mineralization in the mains water.*
*** The volume of treated water depends on the feed water quality, with a maximum of dissolved salts in the feed water of 1200 mg/l*

PDB - Demineralizers

Water purification system ULTRA

1| The purified water meets the requirements of the ISO 3696: 1999 (Water for analytical laboratory use. Specification and test methods.) for grade I water. It can be used in instrumental analysis techniques such as AAS, ICP/MS, IC, HPLC, GC, in bacterial culture and biochemical analysis.
2| Automatic equipment for producing ultrapure water, with a recirculation circuit with a TOC ion exchange module, a 254 nm photooxidation module (UV lamp) and a 0.45/0.2 μm cascade microfiltration capsule.
3| It is advisable to carry out an annual sanitation of the system. For this, the sanitation kit code: PDD027 and the disinfectant powder code: PDD028 are necessary.

Code	PDB008
Water supply	External source of pretreated water (purity grade II or III)
Ultrapure water production capacity	1 L/min minimum
Ultapure water conductivity	< 0,055 μS/cm
TOC	< 5 ppb
Bactteries	< 1 ufc/mL
Particles > 0,2 μm	< 1/mL
Modules	Interchangeable and easy replacement
Pressure gauge	For feed water
Pump	Recirculation
Dimensions	235x470x570 mm
Software	External

Water purification system R5 UV

1| The purified water obtained has a conductivity of less than 0.055 μS/cm and meets the requirements of ISO 3696: 1999 (Water for use in laboratory analysis. Specification and test methods) for class I water. It is suitable for instrumental analysis techniques (AAS, ICP/MS, IC, HPLC, GC), bacterial cultures and biochemical analysis.
2| Recommended feed water requirements:
- Conductivity < 1200 μS/cm
- Pressure > 3,0 bar
- Temperature: 5-40 ºC
- Hardness < 250 mg $CaCO_3$/L
- Fe < 0,2 mg/L

3| With built-in UV lamp.

Code	PDB009
Water supply	Tap water
Housing material	Stainless steel
Dimensions	275x470x570 mm
Production capacity	5-7 L/h
Recirculation	Automatic ultrapure water recirculation between water collections
Conductivity	< 0,055 μS/cm
TOC	< 3 ppb
Bacteria	< 1 ufc/mL
Particles > 0,2 μm	< 1/mL
Alerts	Messages / Monitoring alarms
Modules	Interchangeable and easy to replace

** capacities from 5 to 60 L/h*

ACCESORIES HYDROLAB R5 UV - COMPATIBLE REPLACEMENTS

Integrated module A2
Code *PDD007**

H7 TOC Ion exchange module
Code *PDD011****

Pre-filter cartridge 5 μm 10"
Code *PDD008**

Microfiltration capsule 0.45/0.2 μm 150 cm^2
Code *PDD012*

UV lamp 185/254 nm HLP
Code *PDD031***

** If the parameters of the feed water are different (hard water), the lifetime of the spare parts may be shorter.*
*** Time 12 months or 8500 hours*
**** The lifetime of the cartridge may vary depending on the tap water flow rate, as well as on the type of mineralization.*

PDG - Distillers

Glass water still 4 l/h, Basic PH4

1| Continuously obtaining distilled water. It has a safety thermostat.
2| Robust heating block with chrome resistance. Set of borosilicate glass.

Code	PDG001
Distillation capacity	4 l/h
Conductivity (feeding tap water)	3.0-4.0 µS/cm
Conductivity (feeding trated water)	1.5-2.0 µS/cm
pH	5.5-6.0
Resistance	1 x 3000 W
Dimensions	50x15x45 cm
Power	220V, 50Hz
Weight	6 kg

Glass water still 4 l/h, QUARTZ

1| Continuously obtaining distilled water. Quartz resistance.
2| Safety system with water inlet flow sensor (pressure switch).
3| Made entirely of high quality borosilicate glass.
4| With adapted support for its coupling to the wall.

Code	PDG002
Distillation capacity	4 L/h
Conductivity at 20 ºC	2 µS/cm
Water consumption	1 L/min
Resistance	1x2500
Dimensions	55x15x50 cm
Power	230 V, 50/60 Hz, 11 A
Weight	4 kg

Glass, vertical

1| Vertical distiller for the production of distilled water with a space-saving design thanks to its vertical construction.
2| The glass parts are made of borosilicate glass to ensure better equipment function and safety.

Code	PDG007
Production capacity	4 L/h
Conductivity at 20ºC	1,5 - 2,5 µS/cm
Water consumption	45 L/h
Dimensions	190x190x600 cm
Power	230V, 50/60Hz, 15A

Water distillers “R-4 Reser”

1| External case epoxy covered.
2| Cooling and heating elements made of stainless steel.
3| Easy to dismantle for cleaning.
4| Thermostat that disconnects the heater when there’s lack of water supply.

Code	PDG505
Distillation capacity	4 l/h
Water storage tank	8 L
Water consumption	1 l/min
Conductivity at 20 ºC	1.5 µs/cm
Dimensions	50x63x32 cm
Power	1x3000 W
Weight	24 kg

PDJ - Water Still, accessories

Code	Description	For models
PDJ001	Heating block with resistance	Basic pH 4
PDJ002	Joints and screws kit	Basic pH 4
PDJ003	Hose kit with connectors	Basic pH 4
PDJ004	Glass boiler	Basic pH 4
PDJ005	Glass condenser	Basic pH 4
PDJ006	Metal support	Basic pH 4

Code	Description	For models
PDJ007	2 fixing for boiler	Basic pH 4
PDJ015	Stopcock for water still	Basic pH 4
PDJ022	Water softening cartridge	Basic pH 4
PDJ008	Boiler	Quartz
PDJ009	Cooling	Quartz
PDJ010	Level	Quartz
PDJ011	Quartz resistance	Quartz
PDJ012	Flow limiter	Quartz and series 4000

PGB - Water Still

Model RS 100-PRO

1| Large LCD screen with continuous digital monitoring. Temperature control with adjustable safety circuit.
2| Patented refrigerant (condensing surface 1500 cm²). Motorised lift with quick-action system with adjustable end-position recognition. Patented pressure spring resulting in a perfectly sealed system.
3| Double PTFE coating resistant to chemicals. Borosilicate glass set (included). 1 L evaporation flask. USB connection for PC control.

Code	PGB006	PGB007
Model	Borosilicate	Coated, borosilicate
Bath capacity	5 L (for water or oil)	
Rotary speed	20-280 rpm (reversible rotation)	
Maximum bath temperature	180 °C (± 1)	
Timer slot	1 a 999 min motorized	
Spindle travel	150 mm	
Power	1400 W	
Dimensions [LxAxH]	465x457x583 mm	
Power	220-240V, 50/60Hz	
Protection class (DIN EN60529)	IP20	

Accessories for model RS 100-PRO

Receiving flask, joint 35/20

Code	Cap.
PGG024	*100 mL*
PGG025	*250 mL*
PGG026	*500 mL*
PGG027	*1000 mL*
PGG028	*2000 mL*

Connector for evaration flask

Code	Joint
PGG016	*29-32 / 24-29*
PGG017	*29-32 / 19-26*
PGG018	*29-32 / 14-23*

Complete glassware vertical

Code
PGG014
*PGG015**

** coated*

Foam brake piece, 250 mL

Code	Joint
PGG019	*29/32*

Seal plug for rotary evaporator

Code	
PGG022	

Seal R-Type PTFE

Code	
PGG021	

Vapor tube piece

Code	Joint
PGG020	*29/32*

PGB - Water Still

Model RS 100-S

RS Lab

1| PID control ensures high temperature accuracy (±1ºC with water).
2| Protection against overheating at 220ºC.
3| Automatic shutdown if heating occurs without water/oil.
4| Drying process can be performed by setting a time interval, either clockwise or counter-clockwise.
5| Adjustable immersion angle.
6| Remote function offering the possibility of PC control and data transmission.

Code	PGB009
Model	RS100-S
Speed range	20-200 rpm
Display	LED (speed, temperature, time)
Warm-up temperature range	Room temperature -180ºC
Accuracy of temperature control	Water: ±1ºC Oil: ±3ºC
Lift movement	Manual 110 mm + auxiliary 100 mm
Protection class	IP20
USB Interface	Yes
Dimensions (L x A x H)	440x320x450 mm mm
Weight	7 kg

PJB - Filtration units/Manifolds

FOR 47 MM MEMBRANE

1/ Filtration equipment with ground joints

ENDO glassware

Code	PJB001
Composed of	
PJD002	Glass funnel, 300 mL
PJD003	Glass base with porous plate
PBH030	Erlenmeyer flask cone 40/35, 1000 mL
PJD006	Holding clamp, anodized aluminum

Accessories for EndoGlassware filtration assembly

300 mL glass funnel
Code *PJD002*

Glass base with porous plate 40 mm
Code *PJD003*

Holding clamp, anodized aluminium
Code *PJD006*

Erlenmeyer flask cone 40/35, 1000 mL
Code *PBH030*

PJB - Filtration units/Manifolds

2/ Filtration equipment with ground joints

1| Glass pieces are made of borosilicate glass and present 40/35 ground joints while the clamp is made of anodized aluminium.
2| Vacuum connection integrated into the fritted glass support, and the flask mouth are over the filtered liquid exit, thus avoiding leaking of the filtered liquid into the vacuum tube.

Code	PJB006	PJB008
Description	Complete filtration assembly, 300 mL	
Composed of		
	PBH038 Erlenmeyer flask with 40/35 male ground joint, 1000 mL *(for code PJB006)*	
	PJD017 Porous ground glass base and vacuum outle	
	PJD016 Glass funnel , 300 ml	
	PJD020 Spring clamp, anodized aluminium	

3/ Filtration equipment with rubber stopper

1| Glass pieces are made of borosilicate glass and the clamp is made of anodized aluminium.
2| Vacuum connection in the filtering flask.

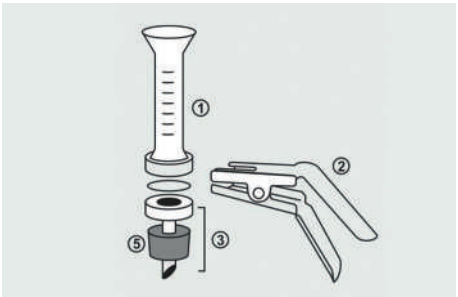
Code	PJB007
Description	Complete filtration assembly, 300 mL
Composed of	
PJH023	Kitasatos flask 1000 mL
PJD018	Glass porous base with stopper
PJD016	300 mL glass funnel
PJD020	Spring clamp, anodized aluminum
PJD005	Silicon stopper, 1 hole

FOR 25 MM MEMBRANE

1/ Filtration assembly with silicon stopper

1| Glass pieces are made of borosilicate glass and the clamp is made of anodized aluminium.
2| Vacuum connection in the filtering flask.

Code	PJB015
Description	Complete filtration assembly, 15 mL
Composed of	
(3) PJD024	Body with porous plate and silicone stopper
(1) PJD031	Glass funnel, 15 mL
(5) PJD025	Perforated silicone stopper 1 holder
(1) PJD021	Anodized aluminium clamp



1| Glass pieces are made of borosilicate glass and the clamp is made of anodized aluminium.
2| Vacuum connection in the filtering flask.

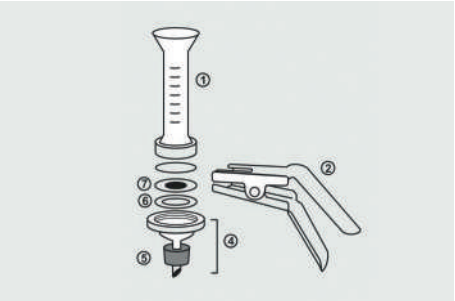
Code	PJB017
Description	Complete filtration assembly, 15 mL
Composed of	
(3) PJD024	Body with porous plate and silicone stopper
(1) PJD031	Glass funnel, 15 mL
(5) PJD025	Perforated silicone stopper 1 holder
(2) PJD021	Anodized aluminium clamp
PJH026	Kitasato flask 125 mL

PJB - Filtration units/Manifolds

FOR 25 MM MEMBRANE

2/ Filter holder with stainless steel grid

1 | Filter holder in borosilicate glass 3.3. Kitasato flask not included.
2 | Graduated filtration funnel



Code	PJB016
Description	Borosilicate glass filtration equipment, stainless steel.
Composed of	
(1) PJD031	Filtration funnel, 15 mL
(4) PJD040	Base stopper and stainless steel screen for filter holder 25 mm
(6) PJD041	Gasket teflon for filter holder 25 mm
(7) PJD042	Support screen, 25mm, stainless
(5) PJD025	Silicon stopper, 1 hol
(2) PJD021	Anodized aluminium clamp

Glass filter holder for 90 mm

1 | Glass filter holder for 90mm with stainless steel mesh.

Code	PJB024
Composed of	
PJD048	Glass Funnel 1L
PJD026	90 mm diameter glass base
PJD022	Aluminum clamp for 90 mm funnels
PJD027	Blue stainless steel grid, for filter support.
PJD028	PTFE gaskets

GLASSCO FILTRATION EQUIPMENT ACCESSORIES

Aluminium spring clamp

Code	Dimensions
PJD020	*47 mm*
PJD021	*25 mm*
PJD022	*90 mm*

Porous ground glass base

Code	Dimensions
PJD017	*47 mm*
*PJD026**	*90 mm*

** with grid*

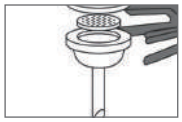
Glass funnel

Code	Dimensions
PJD016	*47 mm*
PJD031	*25 mm*
PJD048	*90 mm*

Perforated silicone stopper

Code	Dimensions
PJD025	*25 mm*
PJD047	*47 mm*
*PJD040**	*25 mm*

** with grid*



Stainlees support screen

Code	Dimensions
*PJD027**	*90 mm*
PJD030	*47 mm*
PJD042	*25 mm*

** coated with PTFE*

PTFE gasket

Code	Dimensions
PJD028	*90 mm*
PJD029	*47 mm*
PJD041	*25 mm*

Glass porous base with stopper

Code	Dimensions
PJD024	*25 mm*
PJD018	*47 mm*

PJB - Filtration units/Manifolds

Vacuum manifold kit glass 1 position

1| Made of stainless steel, allowing for sterilization by autoclave (121ºC) or dry heat.
2| Control keys or valves at each station to work independently.

Code	PJB009
Description	Vacuum manifold kit glass 1 position, 300 mL
Composed of	
PJB002	Vacuum manifold 1 places
PJD001	Glass filter holder, 300 mL

Vacuum manifold kit glass 3 positions

Code	PJB011
Description	Vacuum manifold kit glass 3 positions, 300 mL
Composed of	
PJB003	Vacuum manifold 3 places
3xPJD001	Glass filter holder, 300 mL

Vacuum manifold kit glass 6 positions

Code	PJB013
Description	Vacuum manifold 6 places
Composed of	
PJB004	Rampa de filtración 6 posiciones
6xPJD001	Glass filter holder, 300 mL

Accessories filtration system kit

Code	Description
PJD001	Glass filter holder, 300 mL
Composed of:	
	Filtering funnel, 300 mL (ref. PJD016)
	Glass base with porous plate, 47 mm (ref. PJD018)
	Silicone plug nº8, 1 hole (PJD047)
	Clamp, 47mm, anodized aluminum (ref. PJD020)

It is possible to use this item to connect it to a filtration ramp, for which you will need the steel connector ref.: PJD007

PJB - Filtration units/Manifolds

Vacuum manifold kit inox 1 position

1| Filtration kit consisting of a one-position ramp, a 300 or 500 mL funnel, an adapter with a valve, and a filter holder for 47mm membranes, all made of 316 stainless steel. Includes filters. Funnel without internal graduations.

Code	Description
PJB018	Vacuum manifold kit 1 position, 300 mL
PJB021	Vacuum manifold kit 1 position, 500 mL

Vacuum manifold kit inox 3 positions

1| Filtration kit consisting of a one-position ramp, a 300 or 500 mL funnel, an adapter with a valve, and a filter holder for 47mm membranes, all made of 316 stainless steel. Includes filters. Funnel without internal graduations.

Code	Description
PJB019	Vacuum manifold kit 3 positions, 300 mL
PJB022	Vacuum manifold kit 3 positions, 500 mL

Vacuum manifold kit inox 6 positions

1| Filtration kit consisting of a one-position ramp, a 300 or 500 mL funnel, an adapter with a valve, and a filter holder for 47mm membranes, all made of 316 stainless steel. Includes filters. Funnel without internal graduations.

Code	Description
PJB020	Vacuum manifold kit 6 positions, 300 mL
PJB023	Vacuum manifold kit 6 positions, 600 mL

PJB - Filtration units/Manifolds

Sterile vacuum filtratioN UNITS

1| DNase, RNase and pyrogen free.Sterilised by gamma radiation. Packed in easy-open plastic bags. Reception bottle cap is individually wrapped.
2| Funnel and bottle with graduation. Tubes of different diameters can be attached to the vacuum connector.

Code	Volume	Filtre material	Pore	Packaging
PJB025	250 mL	PES	0,22 µm	12 pcs/bag
PJB026	250 mL	PES	0,45 µm	12 pcs/bag
PJB027	500 mL	PES	0,22 µm	12 pcs/bag
PJB028	500 mL	PES	0,45 µm	12 pcs/bag
PJB029	1000 mL	PES	0,22 µm	12 pcs/bag
PJB030	1000 mL	PES	0,45 µm	12 pcs/bag
PJB031	250 mL	PVDF	0,22 µm	12 pcs/bag
PJB032	250 mL	PVDF	0,45 µm	12 pcs/bag
PJB033	500 mL	PVDF	0,22 µm	12 pcs/bag
PJB034	500 mL	PVDF	0,45 µm	12 pcs/bag
PJB035	1000 mL	PVDF	0,22 µm	12 pcs/bag
PJB036	1000 mL	PVDF	0,45 µm	12 pcs/bag
PJB037*	250 mL	PES	0,22 µm	24 pcs/bag
PJB038*	250 mL	PES	0,45 µm	24 pcs/bag
PJB039*	250 mL	PVDF	0,22 µm	24 pcs/bag
PJB040*	250 mL	PVDF	0,45 µm	24 pcs/bag

PJH - Filtering flasks

Glass

1| With approximate volume graduation. Borosilicate glass. Thick wall.

Code	Capacity	Ø Aprox.	Ø Olive
PJH001	250 mL	30 mm	12 mm
PJH002	500 mL	29 mm	12 mm
PJH003	1000 mL	39 mm	16 mm
PJH004	2000 mL	40 mm	16 mm

PJH - Filtering flasks

Glass

BORO 3.3

Code	Capacity	Ø base	Ø Neck (int)	Ø olive
PJH005	100 mL	70 mm	24 mm	11 mm
PJH006	250 mL	85 mm	35 mm	11 mm
PJH007	500 mL	105 mm	35 mm	11 mm
PJH008	1000 mL	135 mm	45 mm	11 mm
PJH009	2000 mL	165 mm	60 mm	11 mm

Made of glass, for filtration

BORO 3.3

Code	Capacity
PJH025	100 mL
PJH026	125 mL
PJH034	250 mL
PJH035	500 mL
PJH023	1000 mL
PJH029	2000 mL
PJH036	5000 mL

Filtering flask with plastic side hose connector

1| Borosilicate glass.
2| Thick wall. Polypropylene pipe and olive.

Code	Cap.	Ø base	Ø Neck (int.)	Ø olive
PJH014*	250 mL	85 mm	35 mm	145 mm
PJH015	500 mL	105 mm	35 mm	175 mm
PJH016	1000 mL	135 mm	45 mm	230 mm
PJH017	2000 mL	165 mm	60 mm	255 mm

PJH - Filtering flasks

Flask filtering glass

BORO 3.3

Code	Capacity	Ø base	Ø Neck (int)	Ø olive
PJH010	3000 mL	170 mm	70 mm	11 mm
PJH011	5000 mL	185 mm	80 mm	11 mm
PJH012	10000 mL	240 mm	80 mm	11 mm

Filtering flask with plastic side hose connector

Code	Cap.	Ø base	Ø Neck (int.)	Ø olive
PJH018	3000 mL	170 mm	70 mm	295 mm
PJH019	5000 mL	185 mm	80 mm	360 mm
PJH020	10000 mL	240 mm	80 mm	420 mm

PKB - Chromatography columns

Glass chromatography column

BORO 3.3

1| PTFE needle stopcock.

Code	Dimensions	Frosted
PKB001	10x200mm	14/23
PKB002	10x300mm	14/23
PKB003	20x200mm	19/26
PKB004	20x400mm	19/26
PKB005	30x400mm	29/32
PKB006	30x500mm	29/32

PKB - Chromatography columns

Glass chromatography column

BORO 3.3

1| PTFE stopcock.

Code	Dimensions	Frosted
PKB007	10x100mm	14/23
PKB008	10x200mm	14/23
PKB009	15x200mm	14/23
PKB010	10x300mm	14/23
PKB011	20x400mm	29/32
PKB012	30x600mm	29/32

PKC - Chromatography paper

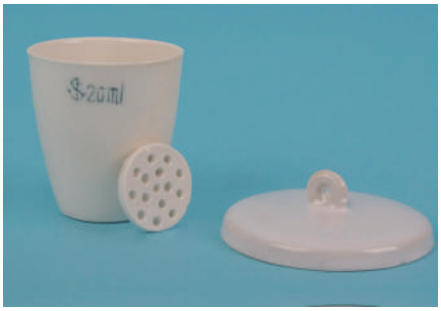
Code	Dimensions	Box of
PKC001	100x300 mm	100 sheets
PKC006	140x60 mm	100 sheets
PKC003	200x200 mm	100 sheets
PKC004	250x250 mm	100 sheets
PKC010	285X250 mm	25 sheets
PKC007	460x570 mm	100 sheets
PKC008	580x600 mm	100 sheets
PKC009	580x600 mm	25 sheets

PKD - Chamber for chromatography

Code	Dimensions
PKD001	100x100 mm

PLB - Gooch

Gooch crucible



Dimensions

d: diametre.
h: height.

1| Enamelled except for the rim and base. With a perforated disc and an enamelled lid with a handle.

Code	Capacity	Diameter	Height	Pack
PLB001	15 mL	32 mm	34 mm	**10**
PLB002	20 mL	36 mm	38 mm	**10**
PLB003	30 mL	40 mm	46 mm	**10**

1| With perforated disc; without cover. Glazed except for the edge and base.

Code	Capacity	Diameter	Height
PLB004	17 mL	30 mm	36 mm
PLB005	25 mL	35 mm	43 mm
PLB006	35 mL	39 mm	49 mm
PLB007	120 mL	60 mm	71 mm

PLG - With porous plates

Glass

Code	Porosity	Capacity
PLG028	G2 (40~100 µm)	50 mL
PLG029	G3 (16~40 µm)	30 mL
PLG030	G1 (100~160 µm)	30 mL
PLG031	G4 (100~160 µm)	30 mL
PLG032	G4 (100~160 µm)	50 mL

PLG - With porous plates

Filter crucible

1| Poreus bottom; no lid. Glazed except for the edge and base.

Code	Porosity	Capacity
PLG001	6 µm	8 mL
PLG004	6 µm	15 mL
PLG007	6 µm	25 mL
PLG010	6 µm	35 mL
PLG013	6 µm	50 mL
PLG002	7 µm	8 mL
PLG005	7 µm	15 mL
PLG008	7 µm	25 mL
PLG011	7 µm	35 mL
PLG014	7 µm	50 mL
PLG003	8 µm	8 mL
PLG006	8 µm	15 mL
PLG009	8 µm	25 mL
PLG012	8 µm	35 mL
PLG015	8 µm	50 mL

PNB - Short stem, glass

Short stem funnel, glass

BORO 3.3

ISO 4798

1| For liquid transfer or solution filtration. 60º cone angle and borosilicate

Code	Diameter	Cap.	Ø stem	Ø filter
PNB001	40 mm	10 mL	4 mm	50-60 mm
PNB002	50 mm	30 mL	7 mm	50-60 mm
PNB003	75 mm	100 mL	9 mm	90-110 mm
PNB004	90 mm	150 mL	10 mm	110-125 mm
PNB005	100 mm	200 mL	11 mm	110-125 mm
PNB006	120 mm	400 mL	12 mm	125-150 mm
PNB007	150 mm	750 mL	15 mm	150-180 mm

PNB - Short stem, glass

Short stem funnel, glass

BORO 3.3

DIN 4798

1| According to ASTM E438 Type 1 Class A. Complies with USP standards. 60º cone angle.

Code	Diameter	Capacity
PNB008	35 mm	8 mL
PNB009	45 mm	15 mL
PNB010	55 mm	30 mL
PNB011	75 mm	95 mL
PNB012	85 mm	140 mL
PNB013	100 mm	190 mL
PNB014	125 mm	400 mL
PNB015	150 mm	750 mL

Short stem, glass

BORO 3.3

Code	Cone angle	Diameter
PNB019	60º	55 mm
PNB020	60º	75 mm
PNB021	60º	100 mm
PNB023	60º	125 mm
PNB024	60º	150 mm
PNB025	60º	200 mm
PNB026	60º	230 mm
PNB017	60º	250 mm
PNB018	60º	300 mm

PNC - Short stem, plastic

APTO

AUTO +121º

1| Made of autoclavable polypropylene (PP). 60º cone angle and grooved external surface.

Code	Diameter	Stem (Lx Ø)
PNC001	50 mm	50x7 mm
PNC002	75 mm	75x9 mm
PNC003	100 mm	95x9 mm
PNC004	150 mm	110x16 mm
PNC014*	100 mm	-

** of Teflon*

PNC - Short stem, plastic

APTO

AUTO +121º

1| Made of autoclavable polypropylene (PP). 60º cone angle and grooved external surface.

Code	Diameter	Stem (Lx Ø)	Cap.	Pack
PNC005	27 mm	37 x 4 mm	3.5 mL	**20**
PNC006	37 mm	37 x 5 mm	10 mL	**20**
PNC007	46 mm	43 x 5 mm	20 mL	**20**
PNC008	66 mm	62 x 10 mm	50 mL	**20**
PNC009	81 mm	70 x 11 mm	100 mL	**20**
PNC010	100 mm	82 x 11 mm	200 mL	**10**
PNC011	120 mm	86 x 11 mm	350 mL	**10**
PNC012	150 mm	115 x 14 mm	700 mL	**5**
PNC013	183 mm	140 x 14 mm	1250 mL	**5**

AUTO +121º

APTO

1| Transparent. Polypropynele. Rapid flow due to a steep 60° angle. Practical handle with loop for hanging.

Code	Volume	Dimensions	Inner stem Ø	Stem length
PNC501	5 mL	Ø 30 x45 mm	2 mm	3.5 mL
PNC502	6 mL	Ø 30 x 47 mm	4 mm	10 mL
PNC503	14 mL	Ø 40 x 65mm	4 mm	20 mL
PNC504	32 mL	Ø 50 x 85mm	7 mm	50 mL
PNC505	88 mL	Ø 75 x108mm	7 mm	100 mL
PNC506	222 mL	Ø 100 x 155 mm	8 mm	200 mL
PNC507	342 mL	Ø 122 x 180mm	11 mm	350 mL
PNC508	817 mL	Ø 150 x 220mm	15 mm	700 mL

PND - Long stem

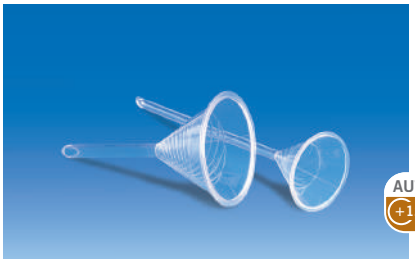
APTO

AUTO +121º

1| Made of polypropylene (PP). 60º cone angle and grooved external surface.

Code	Diameter	Stem (Lx Ø)	Cap.
PND001	65 mm	150 x 8 mm	50 mL
PND002	104 mm	145 x 8 mm	225 mL
PND003	79 mm	143 x 8 mm	100 mL

PND - Long stem



VITLAB

1| Crystal clear. The spiral-shaped ribs increase the rate of filtration and prevent the trapping of air between the filter paper and the funnel.

Code	Volume	Dimensions	Ø Stem	Stem length
PND501	80 mL	Ø 70 x 210 mm	3 mm	150 mm
PND502	250 mL	Ø 100 x 198 mm	7 mm	108 mm
PND503	630 mL	Ø 140 x 247mm	10 mm	132 mm
PND504	1800 mL	Ø 196 x315 mm	20 mm	155 mm

PNF - Buchner, porcelain

Nahita

1| Used in vacuum filtration processes. With perforated plate to support the filter paper. Enameled.

Code	Cap.	Height total	Ø int.	Ø medium
PNF001	30 mL	70 mm	40 mm	13 mm
PNF002	50 mL	80 mm	50 mm	15 mm
PNF003	120 mL	125 mm	70 mm	20 mm
PNF004	200 mL	145 mm	95 mm	21 mm
PNF005	400 mL	165 mm	110 mm	26 mm
PNF007	1000 mL	195 mm	135 mm	33 mm

JIPo

Code	Ø inner	Stem height	Capacity
PNF008	48 mm	43 mm	35 mL
PNF009	62 mm	64 mm	70 mL
PNF010	77 mm	64 mm	120 mL
PNF011	97 mm	71 mm	240 mL
PNF012	116 mm	83 mm	400 mL
PNF013	130 mm	85 mm	600 mL
PNF014	156 mm	96 mm	1000 mL
PNF015	192 mm	117 mm	2000 mL
PNF016	248 mm	117 mm	4000 mL
PNF017	296 mm	130 mm	7000 mL
PNF018	334 mm	133 mm	10000 mL

PNG - Buchner, glass

With filter plate

GLASSCO

BORO 3.3

1| With G0 to G4 porosity filter plate. According to ASTM E438 Type 1 Class A. For other volumes and/or porosity, please consult.

Code	Cap.	Ø plate	Porosity
PNG004	35 mL	30 mm	G0 (150-200 µm)
PNG024	35 mL	30 mm	G1 (90-150 µm)
PNG006	35 mL	30 mm	G2 (40-90 µm)
PNG007	35 mL	30 mm	G3 (15-40 µm)
PNG026	35 mL	30 mm	G4 (5-15 µm)
PNG009	80 mL	40 mm	G0 (150-200 µm)
PNG028	80 mL	40 mm	G1 (90-150 µm)
PNG029	80 mL	40 mm	G2 (40-90 µm)
PNG030	80 mL	40 mm	G3 (15-40 µm)
PNG031	80 mL	40 mm	G4 (5-15 µm)
PNG014	200 mL	65 mm	G0 (150-200 µm)
PNG032	200 mL	65 mm	G1 (90-150 µm)
PNG033	200 mL	65 mm	G2 (40-90 µm)
PNG034	200 mL	65 mm	G3 (15-40 µm)
PNG018	200 mL	65 mm	G4 (5-15 µm)
PNG019	500 mL	90 mm	G0 (150-200 µm)
PNG037	500 mL	90 mm	G1 (90-150 µm)
PNG038	500 mL	90 mm	G2 (40-90 µm
PNG039	500 mL	90 mm	G3 (15-40 µm)
PNG023	500 mL	90 mm	G4 (5-15 µm)
PNG040	1000 mL	120 mm	G0 (150-200 µm)
PNG041	1000 mL	120 mm	G1 (90-150 µm)
PNG042	1000 mL	120 mm	G2 (40-90 µm)
PNG043	1000 mL	120 mm	G3 (15-40 µm)
PNG044	1000 mL	120 mm	G4 (5-15 µm)

PNH - Büchner, plastic

Büchner, plastic

Kartell

1| Made of polypropylene.

Code	Cap. mm	Ø filtre mm	Ø holes mm	Stem length
PNH001	40	42.5	1.2	47
PNH002	70	55	1.1	57
PNH003	180	70	2	57
PNH004	285	80	2	65
PNH005	390	90	2.5	68
PNH006	810	110	2.5	92
PNH007	2100	160	2.8	105
PNH008	6000	240	3	143

PNJ - Buchner, Guko adapters

Set 7 rubber cones for filtration

Kartell

Code	Description
PNJ002	Set of 7 adapters made of neoprene

Nahita

1| Made of red natural rubber.

Code	Size	larger Ø (ext.)	larger Ø (int.)	Height	Thickness
PNJ003	1	46 mm	28 mm	30,5 mm	3 mm
PNJ004	2	56 mm	38 mm	35 mm	3 mm
PNJ005	3	55 mm	45 mm	40 mm	4 mm

Set 7 rubber cones for filtration

Nahita

Code	Description
PNJ006	Set 7 rubber cones for filtration
PNJ007	Set 7 silicone cones for filtration

PNL - For powder

BORO 3.3

Code	Diameter	Height	Ø Stem
PNL008	80 mm	75 mm	25 mm
PNL009	100 mm	95 mm	25 mm
PNL010	120 mm	110 mm	30 mm
PNL011	160 mm	137 mm	35 mm

Kartell

AUTO +121°

APTE

1| Made of polypropylene. Autoclavables.
2| Can also be used for large volumes of liquids.
3| 60º cone angle and grooved external surface. Excellent chemical resistance..

Code	Diameter	Stem (LxØ)	Capacity
PNL001	60 mm	18.00 x 15 mm	45 mL
PNL002	80 mm	22.20 x 15 mm	94 mL
PNL003	100 mm	24.80 x 25 mm	200 mL
PNL004	120 mm	27.10 x 30 mm	360 mL
PNL005	150 mm	39.90 x 36 mm	730 mL
PNL006	180 mm	48.80 x 43 mm	1290 mL

VITLAB

AUTO +121°

APTO

1| Transparent polypropylene.

Code	Dimensions	Inner stem	Stem length
PNL501	Ø 150 x 138 mm	28 mm	22 mm
PNL502	Ø 120 x105 mm	27 mm	22 mm
PNL503	Ø 100 x 92mm	24 mm	23 mm
PNL504	Ø 65 x70 mm	15 mm	26 mm
PNL505	Ø 80 x75 mm	21 mm	26 mm

PNM - For liquid transfer, plastic

For liquid transfer

Kartell

1| Made of high density polyethylene. With edge to avoid spills. With eyelet to hang them and a ribbed outer surface.

Code	Diameter	Cap.	Stem (LxØ)
PNM001	80 mm	100 mL	27 x 13 mm
PNM002	110 mm	300 mL	38 x 15 mm
PNM003	130mm	450 mL	43 x 20 mm
PNM004	140 mm	750 mL	52 x 24 mm
PNM005	180 mm	1500 mL	68,5 x 30 mm
PNM006	220 mm	2750 mL	81 x 35 mm
PNM007	260 mm	4000 mL	75 x 38 mm
PNM008	310 mm	5500 mL	80 x 43 mm
PNM009	420 mm	10000 mL	138 x 57 mm

ENDO plasticware

APTO

1| Made of high density polyethylene.

Code	Diameter	Stem (LxØ)	Capacity
PNM010	80 mm	30 x 13 mm	100 mL
PNM011	110 mm	38 x 15 mm	300 mL
PNM012	130 mm	43 x 20 mm	450 mL
PNM013	140 mm	52 x 24 mm	750 mL
PNM014	180 mm	69 x 30 mm	1500 mL
PNM015	220 mm	81 x 35 mm	1750 mL
PNM016	260 mm	75 x 38 mm	4000 mL
PNM017	310 mm	80 x 43 mm	5500 mL
PNM018	400 mm	130 x 45 mm	10.000 mL

Large Funnels

VITLAB

APTO

1| Made of high density polyethylene.

Code	Diameter	Lenght	Stem Ø
PNM501	200 mm	200 mm	22 mm
PNM502	250 mm	260 mm	30 mm
PNM503	350 mm	440 mm	35 mm
PNM504	400 mm	365 mm	42 mm
PNM505	430 mm	420 mm	37 mm

PNN - For transfer, stainless steel

Funnel with handle

AGENCINOX

1| Laminated outer rim ensures greater strength and prevents deformation. Interior with fixed filter, handle for better grip and suspension.
2| It is narrow and can be used in bottles.

Code	Capacity	Diameter
PNN001	0,5 mL	150 mm
PNN002	1 mL	200 mm
PNN003	3 mL	250 mm

Funnel with handle, stainless stee AISI 316

ENDO metalware

Code	Ø inner	Ø outer	Height	Stem (LxØ)
PNN004	77 mm	82 mm	110 mm	60x8 mm
PNN005	95 mm	100 mm	120 mm	60x8 mm
PNN006	118 mm	125 mm	150 mm	70x12 mm
PNN007	150 mm	167 mm	180 mm	90x15 mm
PNN008	200 mm	215 mm	225 mm	100x20 mm

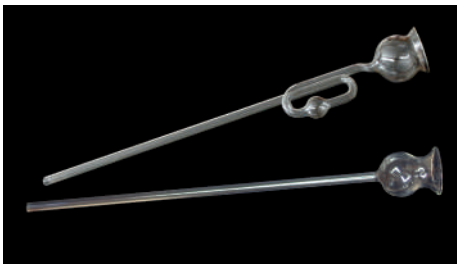
Funnel with handle, stainless stee AISI 304

ENDO metalware

Code	Ø inner	Ø outer	Height	Stem (LxØ)
PNN009	77 mm	82 mm	110 mm	60x8 mm
PNN010	95 mm	100 mm	120 mm	60x8 mm
PNN011	118 mm	125 mm	150 mm	70x12 mm
PNN012	150 mm	167 mm	180 mm	90x15 mm
PNN013	200 mm	215 mm	225 mm	100x20 mm

PNZ - Others

Thistle funnel



1| They can be inserted into small plug holes.
2| Facilitates the addition of liquids to closed flasks. Avoids loss of gases generated in certain reactions.

Code	Type of stem	Lenght	Ø cup	Ø stem
PNZ002	Thistle	300 mm	40 mm	8 mm
PNZ001	With 1 bulb	300 mm	40 mm	8 mm

Half-round funnel

1| Special standard joint funnels for use on multi-neck flasks and labware.
2| Made of transparent polypropylene.

Code	NS	Lenght
PNZ501	14/23	80 mm
PNZ502	19/26	100 mm
PNZ503	29/32	140 mm

PQB - Squibb

Separation funnel ground

1| Frosted mouth and polypropylene cap.

Code	Capacity	Frosted
PQB001	50 mL	19/26
PQB002	100 mL	19/26
PQB003	125 mL	19/26
PQB005	250 mL	19/26
PQB006	250 ml	24/29
PQB004	250 ml	29/32
PQB008	500 mL	24/29
PQB007	500 mL	29/32
PQB009	1000 mL	29/32
PQB010	2000 mL	29/32

PQB - Squibb

Separating funnel, Squibb

Code	Capacity	Frosted	Nº Key
PQB021	50 mL	19/26	2,5 mm
PQB022	100 mL	19/26	2,5 mm
PQB023	250 mL	29/32	4 mm
PQB024	500 mL	29/32	4 mm
PQB025	1000 mL	29/32	6 mm
PQB026	2000 mL	29/32	6 mm

Separation funnel ground

1| Frosted mouth and polypropylene cap.

Code	Capacity	Frosted	Nº Key
PQB011	100 mL	19/26	2,5 mm
PQB012	250 mL	29/32	4 mm
PQB013	500 mL	29/32	4 mm
PQB014	1000 mL	29/32	6 mm
PQB015	2000 mL	29/32	6 mm

Separating funnel, Squibb

Code	Capacity	Frosted	Nº Key
PQB016	50 mL	19/26	2,5 mm
PQB017	100 mL	19/26	2,5 mm
PQB018	250 mL	29/32	4 mm
PQB019	500 mL	29/32	4 mm
PQB020	1000 mL	29/32	6 mm
PQB036	2000 mL	29/32	6 mm
With graduation			
PQB038	500 mL	29/32	4 mm

PQB - Squibb

Plastic

Kartell

1| Transparent polymethylpentane (PMP) funnel, with embossed graduation. Autoclavable. Excellent chemical resistance.
2| Screw cap with standardized outlet with 29/32 cap. PMP stopcock with valve and nylon connectors.

Code	Capacity	Grad. (mL)	Up to(mL)
PQB029	500	2	20
		5	50
		25	500

PQD - Gilson

Gilson, funnel

GLASSCO

1| Polypropylene cap

Code	Capacity	Frosted
PQD019	100 mL	19/26
PQD020	250 mL	29/32
PQD021	500 mL	29/32
PQD022	1000 mL	29/32
PQD023	2000 mL	29/32

GLASSCO

1| Polypropylene cap.

Code	Cap.	SJ	Nº Key
PQD024	50 mL	19/26	2,5 mm
PQD025	100 mL	19/26	2,5 mm
PQD026	250 mL	29/32	4 mm
PQD027	500 mL	29/32	4 mm
PQD028	1000 mL	29/32	6 mm
PQD029	2000 mL	29/32	6 mm

PQD - Gilson

Separating funnel Gilson

ENDO glassware

Code	Diameter	Frosted
PQD001	50 mL	19/26
PQD002	100 mL	19/26
PQD003	125 mL	19/26
PQD004	250 mL	19/26
PQD005	250 mL	24/29
PQD006	250 mL	29/32
PQD007	500 mL	24/29
PQD008	1000 mL	29/32

PQG - Brome

Separatory funnel spherical, glass stopcock

GLASSCO

1| Polypropylene cap

Code	Capacity	Frosted
PQG007	100 mL	19/26
PQG009	250 mL	29/32
PQG012	500 mL	29/32
PQG011	2000 mL	29/32

Globe shape separating funnel

GLASSCO

1| Polypropylene cap.

Code	Capacity	Frosted	Nº Key
PQG013	50 mL	19/26	2,5 mm
PQG014	100 mL	19/26	2,5 mm
PQG015	250 mL	29/32	4 mm
PQG016	500 mL	29/32	4 mm

PQL - Cylindrical

PTFE Stop cock

1| Teflon Key.

Code	Capacity	Frosted	Graduación
PQL002	250 mL	29/32	Yes

Cylindrical funnel, glass

1| Please request other capacities.

Code	Cap.	SJ	Nº Key
PQL003	50 mL	14/23	25
PQL004	250 mL	19/26	4

Key PTFE

1| Teflon Key.

Code	Diameter	Frosted	Nº Key
PQL005	250 mL	19/26	4

PQN - Pressure equalizing funnels

Pressure equalizing funnel with PTFE key

1| Manufactured from chemically resistant borosilicate glass 3.3. Equipped with a straight PTFE key and PE stopper. White screen printing. Ground glass at the outlet.

Code	Diameter	Frosted	Key
PQN007	100 mL	14/23	Teflon
PQN009	250 mL	29/32	Teflon

PSB- Standard

FILTRES RS

1 | Application in pharmaceutical and agro-food industries, health, education and research.

Flat

Code	Ø	Pack
PSB001	55 mm	100
PSB002	70 mm	100
PSB003	90 mm	100
PSB004	100 mm	100
PSB005	130 mm	100
PSB006	150 mm	100
PSB007	185 mm	100
PSB008	190 mm	100
PSB009	250 mm	100
PSB010	330 mm	100

Folded

Code	Ø	Pack
PSB014	70 mm	100
PSB015	100 mm	100
PSB016	130 mm	100
PSB017	150 mm	100
PSB018	190 mm	100
PSB019	250 mm	100
PSB020	330 mm	100
PSB021	400 mm	100
PSB023	500 mm	100
PSB024	650 mm	100

Standard filter characteristics

Type	Weight (g/m^2)	Thickness (mm)	pH	Humidity %	Dry resistance (kg)		Wet resistance(kg)		Porosity (μm)
					Longitudinal	Through	Longitudinal	Through	
Standard	77	0.16/0.18	7	6.8 ± 0.2	3.5/4.0 > 3.5	1.3/1.4 > 2.2	> 0.8	> 0.5	8-11

PSC- Qualitative, very slow

FILTRES RS

1 | Suitable for filtration of aqueous solutions and volatile liquids.

Flat

Code	Ø	Pack
PSC001	25 mm	100
PSC002	40 mm	100
PSC003	55 mm	100
PSC004	70 mm	100
PSC005	90 mm	100
PSC006	110 mm	100
PSC007	125 mm	100
PSC008	135 mm	100
PSC009	150 mm	100
PSC010	185 mm	100
PSC011	210 mm	100

Folded

Code	Ø	Pack
PSC022	90 mm	100
PSC023	110 mm	100
PSC024	125 mm	100
PSC025	135 mm	100
PSC026	150 mm	100
PSC027	185 mm	100
PSC028	210 mm	100
PSC029	240 mm	100
PSC030	270 mm	100
PSC031	320 mm	100
PSC032	385 mm	100

Filter FC29E characteristics

Type	Weight (g/m^2)	Thickness (mm)	Retention (μm)	Filtration speed (s)	Wet resistance
FC29E	160	0.35	3-4	200	Very good

PSD - Qualitative, slow

Filters FC22L

FILTRES RS

1| Slow filtering speed.
2| High retention dense texture. Suitable for vacuum filtration of injectable serum, etc.

YouTube

Flat

Code	Ø	Pack
PSD005	90 mm	100
PSD006	110 mm	100
PSD007	125 mm	100
PSD008	135 mm	100
PSD009	150 mm	100
PSD010	185 mm	100
PSD011	210 mm	100

Folded

Code	Ø	Pack
PSD021	150 mm	100
PSD022	185 mm	100
PSD023	210 mm	100
PSD024	240 mm	100
PSD025	270 mm	100
PSD026	320 mm	100

Filter FC22L characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
FC22L	100	0.2	2-3	100	Media

Filters FC49L

FILTRES RS

1| Slow filtering speed. 150 g/m² paper with high retention and good strength.
2| Suitable for biochemical and pharmaceutical industry.

YouTube

Flat

Code	Ø	Pack
PSD032	25 mm	100
PSD033	40 mm	100
PSD034	55 mm	100
PSD035	110 mm	100
PSD036	125 mm	100
PSD039	185 mm	100

Folded

Code	Ø	Pack
PSD049	125 mm	100
PSD050	135 mm	100
PSD051	150 mm	100
PSD052	185 mm	100
PSD053	210 mm	100
PSD054	240 mm	100

Filter FC22L characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
FC49L	150	0.4	2	180	Very good

PSF - Qualitative, medium

Filters FC28M

FILTRES RS

1| Average filtration rate. Very high resistance even wet. Suitable for filtering acid or alkaline solutions.

YouTube

Flat

Code	Ø	Pack
PSF001	40 mm	100
PSF002	55 mm	100
PSF003	70 mm	100
PSF004	90 mm	100
PSF005	110 mm	100
PSF006	125 mm	100
PSF007	135 mm	100
PSF008	150 mm	100
PSF013	320 mm	100

Folded

Code	Ø	Pack
PSF019	110 mm	100
PSF020	125 mm	100
PSF021	135 mm	100
PSF022	150 mm	100
PSF023	185 mm	100
PSF024	210 mm	100
PSF025	240 mm	100
PSF029	450 mm	100

Filter FC28L characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
FC28M	80	0.18	5	40	Very good

PSF - Qualitative, medium

Filters FC20M

YouTube

FILTRES RS

1| Average filtration rate. Good retention capacity.
2| For general applications and education.

Flat

Code	Ø	Pack
PSF034	70 mm	100
PSF035	90 mm	100
PSF036	110 mm	100
PSF037	125 mm	100
PSF038	135 mm	100
PSF039	150 mm	100
PSF047	500 mm	100

Folded

Code	Ø	Pack
PSF050	110 mm	100
PSF051	125 mm	100
PSF052	135 mm	100
PSF053	150 mm	100
PSF054	185 mm	100
PSF055	210 mm	100
PSF056	240 mm	100

Filter FC20M characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
FC20M	77	0.13	5	40	Good

Filters FC75M

YouTube

FILTRES RS

1| Average filtration rate. Very pure paper.
2| Most used type for qualitative analysis, phosphates, sugars, fertilizers.

Flat

Code	Ø	Pack
PSF034	70 mm	100
PSF035	90 mm	100
PSF036	110 mm	100
PSF037	125 mm	100
PSF038	135 mm	100
PSF039	150 mm	100
PSF047	500 mm	100

Folded

Code	Ø	Pack
PSF050	110 mm	100
PSF051	125 mm	100
PSF052	135 mm	100
PSF053	150 mm	100
PSF054	185 mm	100
PSF055	210 mm	100
PSF056	240 mm	100

Filter FC20M characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
FC75M	75	0.16	6	50	Average

PSG - Qualitative, fast

Filters FC27E

YouTube

FILTRES RS

1| Fast filtering speed. Extra soft thick paper.
2| Suitable for the filtration of oils, syrups and fatty substances.
3| Also used with Büchner funnels.

Flat

Code	Ø	Pack
PSG001	25 mm	100
PSG002	40 mm	100
PSG003	55 mm	100
PSG004	70 mm	100
PSG005	90 mm	100
PSG006	110 mm	100
PSG007	125 mm	100
PSG008	135 mm	100

Folded

Code	Ø	Pack
PSG019	90 mm	100
PSG020	110 mm	100
PSG021	125 mm	100
PSG022	135 mm	100
PSG023	150 mm	100
PSG024	185 mm	100
PSG025	210 mm	100
PSG026	240 mm	100

Filter FC27E characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
FC27E	130	0.43	20	-	0.40 Kg/cm

PSG - Qualitative, fast

Filters FC26R

FILTRES RS

1| Fast filtering speed. Very pure paper. Used in the preparation and analysis of pharmaceutical and metallurgical products.

YouTube

Flat

Code	Ø	Pack
PSG035	40 mm	100
PSG036	55 mm	100
PSG037	70 mm	100
PSG038	90 mm	100
PSG039	110 mm	100
PSG040	125 mm	100
PSG042	150 mm	100
PSG043	185 mm	100
PSG044	210 mm	100
PSG045	240 mm	100

Folded

Code	Ø	Pack
PSG056	150 mm	100
PSG057	185 mm	100
PSG058	210 mm	100
PSG059	240 mm	100
PSG060	270 mm	100
PSG061	320 mm	100
PSG062	385 mm	100
PSG063	450 mm	100
PSG064	500 mm	100

Filter characteristics FC26R

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
FC26R	75	0.15	10	30	Aceptable

PSH - Qualitative, very fast

Filters FC75R

FILTRES RS

1| Very fast filtration speed. Very resistant crepe paper. For all types of very fast filtration.

YouTube

Flat

Code	Ø	Pack
PSH028	25 mm	100
PSH001	40 mm	100
PSH002	55 mm	100
PSH003	70 mm	100
PSH004	90 mm	100
PSH005	110 mm	100
PSH006	125 mm	100
PSH007	135 mm	100
PSH008	150 mm	100
PSH009	185 mm	100
PSH010	210 mm	100
PSH011	240 mm	100

Folded

Code	Ø	Pack
PSH014	70 mm	100
PSH015	90 mm	100
PSH016	110 mm	100
PSH017	125 mm	100
PSH018	135 mm	100
PSH019	150 mm	100
PSH020	185 mm	100

Characteristics of Filters FC75R

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
FC75R	60	0.25	15	25	Good

PSK - Quantitative, slow

Filtros SCLO

FILTRESRS

1| Slow filtering speed. Dense texture. Suitable for the retention of fine precipitates.

Flat

Code	Ø	Pack
PSK008	125 mm	100
PSK009	135 mm	100
PSK010	150 mm	100
PSK011	185 mm	100
PSK012	210 mm	100

Folded

Code	Ø	Pack
PSK015	90 mm	100
PSK016	110 mm	100
PSK017	125 mm	100
PSK018	135 mm	100

Filter SCLO characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
SCLO	84	0.2	2-3	180	High

PSL- Quantitative, medium

Filtros SCSG

FILTRESRS

1| Average filtration rate. Medium texture. Fat-free, so it is used for the determination of fat in the food industry.

Flat

Code	Ø	Pack
PSL007	110 mm	100
PSL008	125 mm	100
PSL010	150 mm	100

Folded

Code	Ø	Pack
PSL017	125 mm	100
PSL019	150 mm	100

Filter SCSG characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
SCSG	84	0.16	5-8	50	High

Filtros SCMO

FILTRESRS

1| Average filtration rate.
2| Medium texture.
3| For all types of gravimetric analysis.

Flat

Code	Ø	Pack
PSL028	90 mm	100
PSL030	125 mm	100
PSL031	135 mm	100
PSL032	150 mm	100

Folded

Code	Ø	Pack
PSL041	150 mm	100
PSL042	185 mm	100

Filter SCMO characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
SCMO	84	0.16	5	50	High

PSM - Quantitative, fast

Filters SCRO

FILTRESRS

1 | Fast filtering speed. Lax texture. Used in metallurgical laboratories

YouTube

Flat

Code	Ø	Pack
PSM003	40 mm	100
PSM004	55 mm	100
PSM005	70 mm	100
PSM006	90 mm	100
PSM007	110 mm	100
PSM008	125 mm	100
PSM010	150 mm	100

Folded

Code	Ø	Pack
PSM014	70 mm	100
PSM015	90 mm	100
PSM016	110 mm	100
PSM017	125 mm	100
PSM018	135 mm	100
PSM019	150 mm	100
PSM020	185 mm	100
PSM021	210 mm	100
PSM022	240 mm	100

Filter SCRO characteristics

Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
SCRO	85	0.18	8-12	20	High

PSN - Quantitative, very fast

Filters SCTR

FILTRESRS

1 | Very fast filtration speed. Lax texture. Suitable for the retention of coarse precipitates such as metal hydrides.

Flat

Code	Ø	Pack
PSN006	90 mm	100
PSN007	110 mm	100
PSN008	125 mm	100
PSN009	135 mm	100
PSN010	150 mm	100
PSN011	185 mm	100
PSN012	210 mm	100
PSN013	240 mm	100

Folded

Code	Ø	Pack
PSN019	150 mm	100
PSN020	185 mm	100
PSN021	210 mm	100
PSN022	240 mm	100

Filter SCTR characteristics

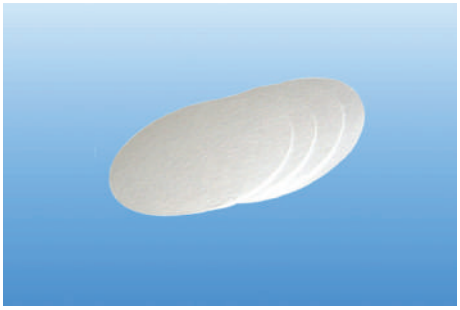
Type	Weight (g/m²)	Thickness (mm)	Retention (µm)	Filtration speed (s)	Wet resistance
SCTR	84	0.13	12-15	10	High

PSP - Glass fiber

Filters FV281

FILTRESRS

1 | Employed in air pollution control



Code	Ø	Pack
PSP004	25 mm	100
PSP007	47 mm	100
PSP008	55 mm	100
PSP011	90 mm	100
PSP012	110 mm	100
PSP016	150 mm	100
PSP019	200 mm	100

Filter FV341 characteristics

Type	Weight (g/m²)	Tensile strength (N/15 mm)	Porosity (Gurley 5 oz. 0-300 ml) (s)	Wet tensile strength (N/15 mm)
FV281	65-75	> 4,5	15-25	> 1

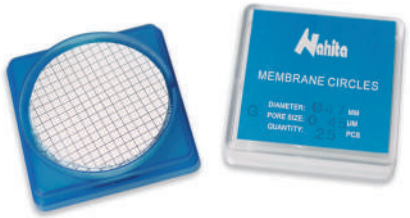
PSR - Membrane filters

Gridded membranes

1| Sterilized by gamma radiation.
2| Presented in individual bags.
3| Cellulose acetate and nitrate

Code	Diameter	Pore	Pack
PSR001	47 mm	0.45 µm	50

Gridded membranes



1| They have a grid engraved on the surface that allows for a colony count.
2| Non-sterile, autoclavable
3| Cellulose acetate and nitrate

Code	Diameter	Pore	Pack
PSR013	13 mm	0.22 µm	100
PSR014	13 mm	0.45 µm	100
PSR015	13 mm	0.80 µm	100
PSR016	25 mm	0.22 µm	100
PSR017	25 mm	0.45 µm	100
PSR018	25 mm	0.80 µm	100
PSR019	47 mm	0.22 µm	25
PSR020	47 mm,	0.45 µm	25
PSR021	47 mm	0.80 µm	25

Membrane filters

1| Cellulose acetate and nitrate

Code	Diameter	Pore	Pack
PSR003	13 mm	0.22 µm	200
PSR004	13 mm	0.45 µm	200
PSR005	13 mm	0.80 µm	200
PSR006	25 mm	0.22 µm	200
PSR007	25 mm	0.45 µm	200
PSR008	25 mm	0.80 µm	200
PSR009	47 mm	0.22 µm	50
PSR010	47 mm	0.45 µm	50
PSR011	47 mm	0.80 µm	50
PSR012	142 mm	0.80 µm	50

Cellulose acetate

Code	Diameter	Pore	Pack
PSR026	25 mm	0,20 µm	100
PSR027	25 mm	0,45 µm	100
PSR028	47 mm	0,20 µm	100
PSR029	47 mm	0,45 µm	100

PSR - Membrane filters

Cellulose nitrate, gridded, sterile

FILTRESRS

Code	Diameter	Pore	Type	Pack
PSR033	47 mm	0,20 µm	White Grid Black	100
PSR032	47 mm	0,45 µm	White Grid Black	100
PSR030	47 mm	0,20 µm	Black Grid White	100
PSR031	47 mm	0,45 µm	Black Grid White	100

PSX - Reams

FILTRESRS

Code	Paper type	Weight	Dimensions	Reams of
PSX001	Joseph paper	25 g/m²	15x15 cm	500 sheets
PSX002	Joseph paper	25 g/m²	35x50 cm	500 sheets
PSX007	White paper	67 g/m²	40/42x52 cm	500 sheets
PSX005	White paper	77 g/m²	52x52 cm	500 sheets
PSX004	Grey paper	60 g/m²	42x52 cm	500 sheets
PSX006	White paper	77 g/m²	58x65 cm	100 sheets

PSZ - Others

Cytocentrifuges

FILTRESRS

1| They have a grid engraved on the surface that allows for a colony count. Non-sterile, autoclavable

Code	Paper type	Weight
PSZ001	75 x 25	200

Antibiotic discs

FILTRESRS

Code	Paper type	Weight
PSZ002	6	1000 discs
PSZ003	9	1000 discs
PSZ004	12	1000 discs
PSZ005	13	1000 discs

PVB - Cellulose syringe filters

Sterile cellulose acetate

FILTRESRS

1| Box of 50 units.

Ø 13 mm

Code	Pore (µm)	Colour
PVB011	0,20	Blue
PVB012	0,45	Yellow

Ø 25 mm

Code	Pore (µm)	Colour
PVB016	0,20	Blue
PVB017	0,45	Yellow

PVZ - Others

Nylon

FILTRESRS

1| Box of 500 unities.

Ø 13 mm		Ø 25 mm	
Code	**Pore (µm)**	**Code**	**Pore (µm)**
PVZ001	0,20	PVZ003	0,20
PVZ002	0,45	PVZ004	0,45

Polyethersulfone

FILTRESRS

1| Box of 500 unities.

Ø 13 mm		Ø 25 mm	
Code	**Pore (µm)**	**Code**	**Pore (µm)**
PVZ005	0,20	PVZ007	0,20
PVZ006	0,45	PVZ008	0,45

PXB - Vacuum pumps

Membrane pump

Nahita

1| Oil-free, they do not need water and therefore do not produce any waste water.
2| They have an analog metal pressure gauge.

Code	PXB001
Vacuum pressure	638 mm Hg (Torr); 0.085 MPa; 850 mbar
Flow	10 L/min - 0.6 m3/h
Consumption	20 W
Weight	4 Kg
Dimensions	245 x 135 x 245 mm
Power	220-240v 50hz

Vacuum membrane pumps

Code - PXB011

Code - PXB010

Nahita

1| Small in size, it has a vacuum gauge, free of oil and maintenance, as well as a handle for easy transport.
2| Metal body with plastic details and suction cup feet (threaded and metric 5) for greater adherence. Adjustable pressure by side air outlet valve.

Code	PXB010	PXB011
Presión de vacío	Up to 200 mbar	Up to 50 mbar
Pumping speed	20 L/min	30 L/min
Pump head	Single	
Power	160 W	
Power supply	220V, 50 Hz	
Noise level	<50d B	
Temperatura	7-40ºC	

PXB - Vacuum pumps

Rotary vane vacuum pump

1| Vacuum pump with rotary vanes that allows to generate a higher vacuum with a flow of 127L/min. Recommended for high volume vacuum drying ovens. Silent operation and protection against overheating. Maximum power 375W.
2| Made of metal with rubber feet and base to avoid slipping due to vibrations. It includes a handle for easy carrying. With general ON/OFF button.

Code	PXB012	
Voltage	110V / 60Hz	220V / 50 Hz
Free air displacement	5 CFM	4,5 CFM
Full vacuum	$3x10^{-1}$ Pa 0,05 Mbar	
Rotation speed	3500	2800
Power	1/2HP	
Oil capacity	330 mL	
Dimensions	290x115x220 mm	
Weight	9 Kg	

Moisture trap for vacuum pumps

1| Humidity trap with height adjustment and olive inlet and outlet connections, for 8mm inner Ø tubes.
2| Includes silicone tube 7cm long and 8mm internal Ø and 16mm external Ø

Code	PXB015

PXL - Water jet vacuum pumps

Water jet pump

1| Requires a water pressure of about 4 kg/cm^2, generating an approximate vacuum of 17 mmHg.

Code	Length	Ø upper	Ø olive
PXL001	320 mm	18 mm	10 mm

Plstic water jet pumps

1| Made of polypropylene. Non back flow. Easily dismantled for cleaning, autoclavable.

Code	Description	mm Hg	bar
PXL004	Water jet pump	191.5	9.804
PXL005	Tube connection for PXL004		

PXL - Vaccum pumps

Hand vacuum pump

Kartell

1| Made of polystyrene, shockproof. Manual operation.
2| Valve to restore atmospheric pressure.
3| Vacuum pressure 625 mm Hg. Tube internal diameter 6 mm.

Code	Description	Vol. per action
PXL006	Without gauge	15 mL
PXL007	With gauge	15 mL

Hand vacuum pump

Kartell

1| Comprising an ABS pump body, HDPE piston and steel spring. Maximum vacuum: 25 in. Hg. With valve to restore de pressure without remove conections.
2| Standard conection for tubes with inner diameter 1/4" (6.4mm). With vacuum gauge.

Code	Description	Vol. per action
PXL008	Without gauge	19 mL

PZH - Cell strainer

Cell strainer

ENDO plasticware

1| For preparation of stem cells and tissue-derived primary cells.
2| Sterile, RNase/DNase free, pyrogen free. Suitable for Corning, Thermo, etc, 50mL centrifuge tube.

Code	Specification	Colour	Embalaje
PZH001	100 μm, 150 mesh	Green	100 uds/box
PZH002	70 μm, 220 mesh	Orange	100 uds/box
PZH003	40 μm, 330 mesh	Purple	100 uds/box

NEW PRODUCTS

NEW

Diaphragm Pumps, Model B-10

Nahita

1| Diaphragm pump with overtemperature and overload protection sensors.
2| Suction cup feet on the base and carrying handle. 8 mm hose barb fitting.
3| Includes 2 rubber tubes (6 mm ID; 12 mm OD) and 2 microfilters.

Code	PXB017
Maximum Vacuum / Negative Pressure	0.075 Mpa
Flow Rate	10 L/min
Consumption	20 W
Weight	1,58 Kg
Dimensions	193x125x140 mm
Power Supply	100-240V 50/60 Hz