



**LABORATORY GLASSWARE  
VIDRIO DE LABORATORIO  
VERRERIE DE LABORATOIRE**

**2020**

[www.normax.pt](http://www.normax.pt)





**2020**

**LABORATORY GLASSWARE CATALOGUE  
CATÁLOGO DE VIDRIO DE LABORATORIO  
CATALOGUE DE VERRERIE DE LABORATOIRE**

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*If it is glass, we can do it!*

*Joaquim Manuel Gomes,  
Normax Founder*

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## YOUR PARTNER FOR LABORATORY GLASSWARE

After 66 years of existence, Normax maintains the company founder's DNA:

- Constant search for new solutions through internal innovation processes;
- Continuous process improvement in order to increase customer satisfaction's level;
- Environmental and social concern;
- Focus on training, both internal (of all working team) and external (to distributors and end-users through Normax Academy - for more information contact us)

For all this, we are very proud to introduce the new laboratory glass catalogue with the latest news, keeping in mind that Normax does not manufacture standard glass only, but may also provide special products according to samples and/or technical drawings.

We are confident that this new catalogue, now available in three different languages, will be a very useful tool that will facilitate your day-to-work.

Finally, and in order to complete your product range, please ask for the **Normax General Catalogue** where you can find over 200 pages of various products, from plastics and reagents to equipment and furniture.

## SU SOCIO DE VIDRIO DE LABORATORIO

Tras 66 años de existencia, Normax mantiene el ADN del fundador de la empresa:

- Búsqueda permanente de nuevas soluciones a través de los procesos internos de innovación;
- Mejora continua de sus procesos para incrementar el grado de satisfacción de los clientes;
- Preocupación ambiental y social;
- Enfoque en la formación interna (para sus colaboradores), y exterior (a los distribuidores y usuarios finales a través de Normax Academy - pregúntenos cómo acceder)

Por todo esto, estamos orgullosos de presentarles el nuevo catálogo de vidrio estándar, no y también puede ofrecerle productos especiales de acuerdo a muestras y / o dibujos técnicos.

Estamos seguros de que este nuevo catálogo, ahora en tres idiomas, es una gran herramienta que facilitará su trabajo a diario.

Por último, solicítenos el **Catálogo General Normax** donde podrá encontrar más de 200 páginas de diversos productos, desde plásticos y reactivos hasta equipos y muebles.

## VOTRE PARTENAIRE POUR LA VERRERIE DE LABORATOIRE

Après 66 années d'existence, Normax maintient toujours l'ADN de son fondateur:

- Recherche constante des nouvelles solutions grâce à des processus internes d'innovation;
- Amélioration constante des processus afin d'accroître le degré de satisfaction du client;
- Recherche de nouveaux produits afin de devenir un fournisseur complet des laboratoires d'essais;
- Préoccupation environnementale et sociale;
- Attention spéciale sur la formation interne (toute l'équipe de collaborateurs) et externe (aux distributeurs et aux utilisateurs, à travers du programme Normax Academy - demandez comment accéder)

Pour tout cela, nous sommes fiers de vous présenter le nouveau catalogue de verrerie de laboratoire avec les nouveautés, tenant toujours en compte que Normax n'est pas limitée à la fabrication de verre standard et peut également fournir des produits spéciaux selon les échantillons et / ou des dessins techniques.

Nous sommes convaincus que ce nouveau catalogue, maintenant en trois langues, est un excellent outil qui facilitera votre travail quotidien.

Finalement, demandez-nous le **Catalogue Général Normax** où vous pourrez trouver plus de 200 pages de divers produits: des plastiques et les réactifs jusqu'aux équipements et aux meubles.



**Joaquim Gomes** ( Managing Director )

**MISSION**

To supply laboratory and hospital consumables assuring the satisfaction of all the involved parties.

**VISION**

To be recognised as a provider of products and services of excellence.

**POLICY**

The implementation of the Normax policy shall be observed in all its business activities based on the following values:

- Sustainable development;
- Customer satisfaction;
- Workforce satisfaction and motivation;
- Social commitments;

**MISIÓN**

Suministrar bienes consumibles de laboratorio y hospitalarios, garantizando la satisfacción de todas las partes interesadas.

**VISIÓN**

Ser reconocido como proveedor de productos y servicios de excelencia.

**POLÍTICA**

Se pretende que la política de Normax sea implementada en todas las actividades del negocio, basándose en los siguientes valores:

- Desarrollo sostenible;
- Satisfacción del cliente;
- Satisfacción y motivación de sus colaboradores;
- Compromisos sociales;

**MISSION**

Fournir des biens consommables de laboratoire et hôpital, en assurant la satisfaction des parties intéressées.

**VISION**

Reconnaissance comme fournisseur des produits et services d'excellence.

**POLITIQUE**

L'implémentation de la politique de Normax sera effective dans ses toutes activités, sur la base des valeurs suivantes:

- Développement soutenable;
- Satisfacion du client;
- Satisfaction et motivation des collaborateurs;
- Engagements sociaux;

**QUALITY ASSURANCE**

The choice of the Normax's product assures the selection of a supplier whose main priority is customer satisfaction.

Having the management system certified since 1995, NORMAX ensures a high level of product quality and excellent service.

From planning to raw-material purchases until final satisfaction assessment of its products and services, Normax's highly skilled technical staff keep a constant cycle of improvement and innovation.

**GARANTÍA DE CALIDAD**

La elección del producto Normax garantiza la selección de un proveedor cuya principal prioridad es la satisfacción del cliente, contestando a las expectativas del mercado.

Teniendo el sistema de gestión certificado desde 1995, Normax asegura un elevado nivel de calidad que es el resultado del control de todo el proceso, desde la planificación, la compra de las materias primarias hasta la evaluación del nivel de satisfacción de sus productos y servicios, manteniendo en acción un constante ciclo de mejoras.

**ASSURANCE DE QUALITÉ**

Le choix du produit Normax garantit la sélection d'un fournisseur dont la principale priorité est la satisfaction du client, en répondant aux attentes du marché.

Ayant son système de gestion certifié dès 1995, Normax assure un haut niveau de qualité, réussit par le contrôle du procès, dès la planification et l'achat des matières premières jusqu'à l'évaluation de la satisfaction des produits et services, en maintenant un cycle constant d'amélioration.



NP EN ISO 9001:2015



# NORMALAB

Laboratório de Calibração de Vidraria Volumétrica da Normax

YOUR VOLUME METROLOGY EXPERT • ESPECIALISTAS EN LA METROLOGÍA DEL VOLUMEN • EXPERTS DANS LA MÉTROLOGIE DE VOLUME

Calibration of all types of volumetric instruments.  
Calibrations performed by NORMALAB are recognised internationally.  
Management system of Normalab according to EN ISO/IEC 17025.

Calibración de todos los tipos de instrumentos volumétricos.  
Las calibraciones realizadas por NORMALAB son reconocidas internacionalmente.  
Sistema de gestión del NORMALAB de acuerdo con EN ISO/IEC 17025.

Étalonnage de tous les types d'instruments volumétriques.  
Les étalonnages effectués par NORMALAB sont reconnus internationalement.  
Système de gestion de NORMALAB en accord avec EN ISO/IEC 17025.

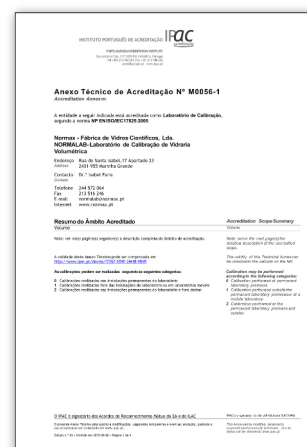
## ACCREDITATION • ACREDITACIÓN • ACCREDITATION

- Mutual recognition agreements available at:  
[www.european-accreditation.org](http://www.european-accreditation.org) and [www.ilac.org](http://www.ilac.org)
- IPAC is a signatory to the Agreement of mutual recognition of EA and ILAC
- Accreditation certificate available at [www.normax.pt](http://www.normax.pt)
- Acuerdos de reconocimiento mutuo disponibles en:  
[www.european-accreditation.org](http://www.european-accreditation.org) and [www.ilac.org](http://www.ilac.org)
- IPAC es signatario del Acuerdo de reconocimiento mutuo de EA e ILAC
- Certificado de acreditación disponible en [www.normax.pt](http://www.normax.pt)
- Accords de reconnaissance mutuelle disponibles sur:  
[www.european-accreditation.org](http://www.european-accreditation.org) and [www.ilac.org](http://www.ilac.org)
- IPAC es signatario del Acuerdo de reconocimiento mutuo de EA e ILAC
- Certificat d'accréditation disponible sur [www.normax.pt](http://www.normax.pt)



## ACCREDITATION SCOPE • ALCANCE DE LA ACREDITACIÓN • PORTÉE D'ACCREDITATION

- Volumetric Flask • Matraz aforado • Fiole jaugée  
5 ml ≤ V ≤ 5000 ml
- Burette with piston • Bureta con émbolo • Burette avec piston  
0,001 ml ≤ V < 50 ml
- Burette without piston • Bureta sin émbolo • Burette sans piston  
0,5 ml ≤ V < 100 ml
- Pycnometer • Picnómetro • Pycnomètre  
1 ml ≤ V ≤ 5000 ml
- Graduated pipette • Pipeta graduada • Pipette graduée  
0,1 ml < V ≤ 50 ml
- Volumetric pipette • Pipeta aforada • Pipette jaugée  
0,5 ml ≤ V ≤ 200 ml
- Measuring cylinder • Probeta graduada • Éprouvette graduée  
5 ml ≤ V ≤ 2000 ml
- Micropipette and macropipette • Micropipeta y macropipeta • Micropipette et macropipette  
0,1 ≤ V ≤ 20000 µl
- Dilutor and Dispenser • Diluidores y dispensadores • Diluants et distributeurs  
1 µl ≤ V ≤ 200 ml
- Syringe and microsyringe • Jeringas y microjeringas • Seringues et microseringues  
1 µl ≤ V ≤ 100 ml





### PRINTING ENAMELS • TINTES DE IMPRESIÓN • COULEURS D'IMPRIMERIE

Normax uses only the best quality glasses and printing enamels.

All the graduation marks are made using amber stains or enamels tested to comply with the requirements of the international standard ISO 4794.

Normax utiliza solo vidrio y esmaltes de impresión de la mejor calidad. Todas las marcas de graduación están hechas con ámbar o esmaltes probados para cumplir con los requisitos de la norma internacional ISO 4794.

Normax utilise uniquement des verres et des émaux d'impression de la meilleure qualité. Toutes les graduations sont réalisées à l'aide de teintures ambrées ou d'émaux testés pour se conformer aux exigences de la norme internationale ISO 4794.



### CLEANING OF GLASSWARE • LIMPIEZA DE VIDRIO • NETTOYAGE DES VERRERIES

All the laboratory glassware manufactured by Normax can be cleared manually or using a laboratory washing machine. Nevertheless, to reduce erosion of the glass and graduation marks, we recommend gentle cleaning with detergents of low alkalinity at temperatures below 70°C. Long immersion times are not recommended.

All Normax glassware undergoes stabilizing thermal treatments at temperatures higher than 500°C. Nevertheless, we do not recommend the users to exceed the temperature of 180°C to dry volumetric instruments. Care should also be taken to avoid thermal shock.

Todo el material científico de vidrio fabricado por Normax puede ser limpiado manualmente o usando un lavavajillas de laboratorio. No obstante, para reducir la erosión del vidrio y de las marcas de graduación, Normax recomienda una cuidadosa limpieza con detergentes de baja alcalinidad a temperaturas menores que 70°C. No se recomiendan largos tiempos de inmersión. Todo el vidrio científico de laboratorio Normax es sometido a tratamientos térmicos de estabilización (recocido del vidrio) a temperaturas superiores a 500°C. Sin embargo, Normax no recomienda al usuario final exceder temperaturas de 180°C para secar material volumétrico. Asimismo, debe tenerse precaución para evitar choques térmicos.

Toute la verrerie de laboratoire fabriquée par Normax peut être nettoyée manuellement ou à l'aide d'une machine à laver de laboratoire. Néanmoins, pour réduire l'érosion du verre et les marques de graduation, nous recommandons un nettoyage doux avec des détergents de faible alcalinité à des températures inférieures à 70 ° C. Les longs temps d'immersion ne sont pas recommandés. Toute la verrerie Normax subit des traitements thermiques stabilisants à des températures supérieures à 500°C. Néanmoins, nous déconseillons aux utilisateurs de dépasser la température de 180 ° C pour sécher les instruments volumétriques. Des précautions doivent également être prises pour éviter les chocs thermiques.



### NORMAX GENERAL CATALOGUE

A wide range of products selection from Normax's vast portfolio, where you can find:

Una amplia gama de productos seleccionados de la amplia cartera de normax, donde puede encontrar:

Une large gamme de produits sélectionnés dans le vaste portefeuille de normax, où vous pouvez trouver:

- Glassware • Vidrio • Verrerie
- Plasticware • Plástico • Plastique
- Filter paper • Papel de filtro • Papier de filtre
- Laboratory instruments • Instrumentos de laboratorio • Instruments de laboratoire
- Porcelain ware • Porcelana • Porcelaine
- Laboratory equipment • Equipos de laboratorio • Equipement de laboratoire
- Liquid handling • Dispensación de líquidos • Dosage de Liquides
- Hygiene and safety • Higiene y protección • Hygiène et protection
- Chemicals and microbiology • Químicos y microbiología • Produits chimiques et Microbiologie



Scan the QR CODE to access our digital catalogue  
(available at [www.normax.pt](http://www.normax.pt))



**NORMAX**



**VOLUMETRIC GLASSWARE  
VIDRARIA VOLUMÉTRICA  
VERRERIE VOLUMÉTRIQUE**

**01**

## VOLUMETRIC FLASK • MATRAZ AFORADO • FIOLE JAUGÉE

## CLASS A

Boro 3.3 glass

Batch certificate per each item

- Graduated to contain (IN)
- Works certificate available on request
- Available: calibration certificate by NormaLab (ISO 17025 accredited laboratory)

## CLASE A

Vidrio boro 3.3

Certificado de serie por pieza

- Ajustado por contenido (IN)
- Certificado individual a pedido
- Disponible: certificado de calibración por NORMALAB (laboratorio acreditado según la norma ISO 17025)

## CLASS A

Verre boro 3.3

Certificat de performance par pièce

- Graduée à contenir (IN)
- Certificat individuel sous demande
- Disponible: certificat d'étalonnage émis par NORMALAB (laboratoire accrédité selon la norme ISO 17025)

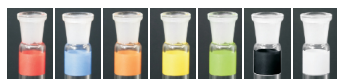
## VOLUMETRIC FLASK • MATRAZ AFORADO • FIOLE JAUGÉE



PE-HD stopper, blue printing.  
Available with glass stopper

PE-HD tapón, impresión azul.  
Disponible con tapón de vidrio

Bouchon en PE-HD, impression bleue.  
Disponible avec bouchon en verre



ID stripe available in 7 different colours  
La tarjeta identificación disponible en 7 colores  
Bande identificatrice disponible en 7 couleurs

| Ref.    | Cap. (ml) | Tol. ± (ml) | NS    | Pack Unit |
|---------|-----------|-------------|-------|-----------|
| 3168607 | 5         | 0,025       | 7/16  | 1         |
| 3168606 | 5         | 0,040       | 10/19 | 1         |
| 3168604 | 5         | 0,060       | 12/21 | 1         |
| 3168608 | 10        | 0,025       | 7/16  | 2         |
| 3168609 | 10        | 0,040       | 10/19 | 2         |
| 3168605 | 10        | 0,060       | 12/21 | 2         |
| 3168611 | 20        | 0,060       | 12/21 | 2         |
| 3168612 | 20        | 0,040       | 10/19 | 2         |
| 3168614 | 25        | 0,040       | 10/19 | 2         |
| 3168615 | 25        | 0,060       | 12/21 | 2         |
| 3168617 | 50        | 0,060       | 12/21 | 2         |
| 3168618 | 50        | 0,100       | 14/23 | 2         |
| 3168624 | 100       | 0,100       | 12/21 | 2         |
| 3168626 | 100       | 0,100       | 14/23 | 2         |
| 3168627 | 150       | 0,150       | 14/23 | 2         |
| 3168632 | 200       | 0,150       | 14/23 | 2         |
| 3168636 | 250       | 0,150       | 14/23 | 2         |
| 3168637 | 300       | 0,150       | 14/23 | 2         |
| 3168638 | 400       | 0,250       | 19/26 | 2         |
| 3168644 | 500       | 0,250       | 19/26 | 2         |
| 3168654 | 1000      | 0,400       | 24/29 | 2         |
| 3168663 | 2000      | 0,600       | 29/32 | 2         |
| 3168673 | 5000      | 1,200       | 34/35 | 1         |

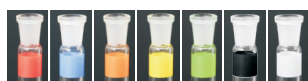
## VOLUMETRIC FLASK • MATRAZ AFORADO • FIOLE JAUGÉE



PE-HD stopper, blue printing.  
Available with glass stopper

PE-HD tapón, impresión azul.  
Disponible con tapón de vidrio

Bouchon en PE-HD, impression bleue.  
Disponible avec bouchon en verre

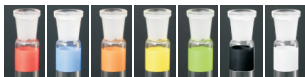


ID stripe available in 7 different colours  
La tarjeta identificación disponible en 7 colores  
Bande identificatrice disponible en 7 couleurs

| Ref.    | Cap. (ml) | Tol. ± (ml) | NS    | Pack Unit |
|---------|-----------|-------------|-------|-----------|
| 3188807 | 5         | 0,025       | 7/16  | 1         |
| 3188806 | 5         | 0,040       | 10/19 | 1         |
| 3188808 | 10        | 0,025       | 7/16  | 2         |
| 3188809 | 10        | 0,040       | 10/19 | 2         |
| 3188811 | 20        | 0,060       | 12/21 | 2         |
| 3188812 | 20        | 0,040       | 10/19 | 2         |
| 3188814 | 25        | 0,040       | 10/19 | 2         |
| 3188815 | 25        | 0,060       | 12/21 | 2         |
| 3188817 | 50        | 0,060       | 12/21 | 2         |
| 3188618 | 50        | 0,100       | 14/23 | 2         |
| 3188824 | 100       | 0,100       | 12/21 | 2         |
| 3188826 | 100       | 0,100       | 14/23 | 2         |
| 3188827 | 150       | 0,150       | 14/23 | 2         |
| 3188832 | 200       | 0,150       | 14/23 | 2         |
| 3188836 | 250       | 0,150       | 14/23 | 2         |
| 3188837 | 300       | 0,150       | 14/23 | 2         |
| 3188838 | 400       | 0,250       | 19/26 | 2         |
| 3188844 | 500       | 0,250       | 19/26 | 2         |
| 3188854 | 1000      | 0,400       | 24/29 | 2         |
| 3188863 | 2000      | 0,600       | 29/32 | 2         |
| 3188873 | 5000      | 1,200       | 34/35 | 1         |

| Ref.    | Cap. (ml) | Tol. ± (ml) | NS    | Pack Unit |
|---------|-----------|-------------|-------|-----------|
| 3188607 | 5         | 0,025       | 7/16  | 1         |
| 3188606 | 5         | 0,040       | 10/19 | 1         |
| 3188604 | 5         | 0,060       | 12/21 | 1         |
| 3188608 | 10        | 0,025       | 7/16  | 2         |
| 3188609 | 10        | 0,040       | 10/19 | 2         |
| 3188605 | 10        | 0,060       | 12/21 | 2         |
| 3188610 | 15        | 0,040       | 10/19 | 2         |
| 3188612 | 20        | 0,040       | 10/19 | 2         |
| 3188614 | 25        | 0,040       | 10/19 | 2         |
| 3188615 | 25        | 0,060       | 12/21 | 2         |
| 3188617 | 50        | 0,060       | 12/21 | 2         |
| 3188618 | 50        | 0,100       | 14/23 | 2         |
| 3168624 | 100       | 0,100       | 12/21 | 2         |
| 3168626 | 100       | 0,100       | 14/23 | 2         |
| 3168627 | 150       | 0,150       | 14/23 | 2         |
| 3168632 | 200       | 0,150       | 14/23 | 2         |
| 3168636 | 250       | 0,150       | 14/23 | 2         |
| 3168637 | 300       | 0,150       | 14/23 | 2         |
| 3168638 | 400       | 0,250       | 19/26 | 2         |
| 3168644 | 500       | 0,250       | 19/26 | 2         |
| 3168654 | 1000      | 0,400       | 24/29 | 2         |
| 3168663 | 2000      | 0,600       | 29/32 | 2         |

| Ref.    | Cap. (ml) | Tol. ± (ml) | GL | Pack Unit |
|---------|-----------|-------------|----|-----------|
| 3196826 | 100       | 0,10        | 18 | 1         |
| 3196836 | 250       | 0,15        | 18 | 1         |
| 3196844 | 500       | 0,25        | 25 | 1         |
| 3196854 | 1000      | 0,40        | 32 | 1         |



ID stripe available in 7 different colours  
La tarja identificación disponible en 7 colores  
Bande identificatrice disponible en 7 couleurs

| Ref.     | Cap. (ml) | Tol. ± (ml) | NS    | Pack Unit |
|----------|-----------|-------------|-------|-----------|
| 3168607V | 5         | 0,025       | 7/16  | 1         |
| 3168606V | 5         | 0,040       | 10/19 | 1         |
| 3168608V | 10        | 0,025       | 7/16  | 2         |
| 3168609V | 10        | 0,040       | 10/19 | 2         |
| 3168611V | 20        | 0,060       | 12/21 | 2         |
| 3168612V | 20        | 0,040       | 10/19 | 2         |
| 3168614V | 25        | 0,040       | 10/19 | 2         |
| 3168615V | 25        | 0,060       | 12/21 | 2         |
| 3168617V | 50        | 0,060       | 12/21 | 2         |
| 3168618V | 50        | 0,100       | 14/23 | 2         |
| 3168624V | 100       | 0,100       | 12/21 | 2         |
| 3168626V | 100       | 0,100       | 14/23 | 2         |
| 3168632V | 200       | 0,150       | 14/23 | 2         |
| 3168636V | 250       | 0,150       | 14/23 | 2         |
| 3168644V | 500       | 0,250       | 19/26 | 2         |
| 3168654V | 1000      | 0,400       | 24/29 | 2         |
| 3168663V | 2000      | 0,600       | 29/32 | 2         |
| 3168673V | 5000      | 1,200       | 34/35 | 1         |

## VOLUMETRIC FLASK • MATRAZ AFORADO • FIOLE JAUGÉE

PE-HD stopper, white printing, amber glass.  
*Available with glass stopper*

Tapón en PE-HD, impresión blanca, vidrio ámbar.  
*Disponible con tapón de vidrio*

Bouchon en PE-HD, impression blanche, verre ambre.  
*Disponible avec bouchon en verre*

BORO 3.3

CL. A

ISO 1042

Batch Certificate



## VOLUMETRIC FLASK • MATRAZ AFORADO • FIOLE JAUGÉE

Screw thread, blue printing, PP screw cap.  
*Available with amber printing*

Cuello rosca, impresión azul, tapón de PP.  
*Disponible con impresión ámbar*

Col à vis, impression bleue, bouchon à visen PP.  
*Disponible avec impression ambre*

BORO 3.3

CL. A

ISO 1042

Batch Certificate



## VOLUMETRIC FLASK • MATRAZ AFORADO • FIOLE JAUGÉE

Glass stopper, blue printing.  
*Available with amber printing*

Tapón de vidrio, impresión azul.  
*Disponible con impresión ámbar*

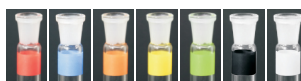
Bouchon en verre, impression bleue.  
*Disponible avec impression ambre*

BORO 3.3

CL. A

ISO 1042

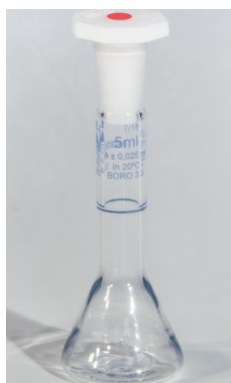
Batch Certificate



ID stripe available in 7 different colours  
La tarja identificación disponible en 7 colores  
Bande identificatrice disponible en 7 couleurs



## VOLUMETRIC FLASK • MATRAZ AFORADO • FIOLE JAUGÉE



Trapezoidal, PE-HD stopper, blue printing.  
Available amber printing and/or glass stopper

Trapezoidal, PE-HD tapón, impresión azul.  
Disponible impresión ámbar y/o tapón de vidrio

Trapézoïdale, bouchon en PE-HD, impression bleue.  
Disponible impression ambre et/ou bouchon en verre

**BORO**  
3.3

**CL. A**

**ISO**  
1042

Batch  
Certificate

| Ref.    | Cap. (ml) | Tol. ± (ml) | NS    | Pack Unit |
|---------|-----------|-------------|-------|-----------|
| 3168401 | 1         | 0,025       | 7/16  | 1         |
| 3168402 | 2         | 0,025       | 7/16  | 1         |
| 3168404 | 4         | 0,025       | 7/16  | 1         |
| 3168406 | 5         | 0,025       | 7/16  | 1         |
| 3168409 | 10        | 0,040       | 10/19 | 1         |
| 3168412 | 20        | 0,040       | 10/19 | 1         |
| 3168411 | 20        | 0,040       | 12/21 | 1         |

## VOLUMETRIC FLASK • MATRAZ AFORADO • FIOLE JAUGÉE



PE-HD stopper, blue printing.  
Available with glass stopper

Tapón en PE-HD, impresión azul.  
Disponible con tapón de vidrio

Bouchon en PE-HD, impression bleue.  
Disponible avec bouchon en verre

**BORO**  
3.3

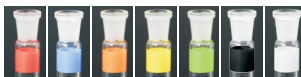
**CL. A**

**USP**

Batch  
Certificate

| Clear Glass | Amber Glass | Cap. (ml) | Tol. ± (ml) | NS    | Pack Unit |
|-------------|-------------|-----------|-------------|-------|-----------|
| 3168607U*   | 3188607U    | 5         | 0,02        | 7/16  | 1         |
| 3168606U*   | 3188606U    | 5         | 0,02        | 10/19 | 1         |
| 3168608U*   | 3188608U    | 10        | 0,02        | 7/16  | 2         |
| 3168609U*   | 3188609U    | 10        | 0,02        | 10/19 | 2         |
| 3168610U*   | 3188610U    | 15        | 0,04        | 12/21 | 2         |
| 3168611U*   | -           | 20        | 0,03        | 12/21 | 2         |
| 3168612U*   | 3188612U    | 20        | 0,03        | 10/19 | 2         |
| 3168614U*   | 3188614U    | 25        | 0,03        | 10/19 | 2         |
| 3168615U*   | 3188615U    | 25        | 0,03        | 12/21 | 2         |
| 3168617U*   | 3188617U    | 50        | 0,05        | 12/21 | 2         |
| 3168618U*   | 3188618U    | 50        | 0,10        | 14/23 | 2         |
| 3168624U*   | 3188624U    | 100       | 0,08        | 12/21 | 2         |
| 3168626U*   | 3188626U    | 100       | 0,08        | 14/23 | 2         |
| 3168627U*   | 3188627U    | 150       | 0,15        | 14/23 | 2         |
| 3168632U*   | 3188632U    | 200       | 0,15        | 14/23 | 2         |
| 3168636U*   | 3188636U    | 250       | 0,15        | 14/23 | 2         |
| 3168637U*   | 3188637U    | 300       | 0,15        | 14/23 | 2         |
| 3168638U*   | 3188638U    | 400       | 0,15        | 19/26 | 2         |
| 3168644U*   | 3188644U    | 500       | 0,20        | 19/26 | 2         |
| 3168654U*   | 3188654U    | 1000      | 0,30        | 24/29 | 2         |
| 3168663U*   | 3188663U    | 2000      | 0,50        | 29/32 | 2         |
| 3168673U*   | -           | 5000      | 1,25        | 34/35 | 1         |

\*Available with amber printing • Disponible impresión ámbar • Disponible impression ambre



ID stripe available in 7 different colours  
La tarjeta identificación disponible en 7 colores  
Bande identificatrice disponible en 7 couleurs

**Volumetric flasks to deliver are available upon request**

MEASURING CYLINDER • PROBETA GRADUADA • ÉPROVETTE GRADUÉE

CLASS A

Boro 3.3 glass

Batch certificate per each item

- Graduated to contain (IN)
- Works certificate available on request
- Available: calibration certificate by NormaLab (ISO 17025 accredited laboratory)

CLASE A

Vidrio boro 3.3

Certificado de serie por pieza

- Ajustado por contenido (IN)
- Certificado individual a pedido
- Disponible: certificado de calibración por NORMALAB (laboratorio acreditado según la norma ISO 17025)

CLASS A

Verre boro 3.3

Certificat de performance par pièce

- Graduée à contenir (IN)
- Certificat individuel sous demande
- Disponible: certificat d'étalonnage emis par NORMALAB (laboratoire accrédité selon la norme ISO 17025)

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Pack Unit |
|---------|-----------|-------------|-------------|-----------|
| 5149607 | 5         | 0,1         | 0,05        | 2         |
| 5149608 | 10        | 0,2         | 0,1         | 2         |
| 5149614 | 25        | 0,5         | 0,25        | 2         |
| 5149617 | 50        | 1           | 0,5         | 2         |
| 5149624 | 100       | 1           | 0,5         | 2         |
| 5149636 | 250       | 2           | 1           | 2         |
| 5149644 | 500       | 5           | 2,5         | 1         |
| 5149654 | 1000      | 10          | 5           | 1         |
| 5149663 | 2000      | 20          | 10          | 1         |

MEASURING CYLINDER • PROBETA GRADUADA • ÉPROVETTE GRADUÉE

Blue printing, with spout, glass hexagonal base

Impresión azul, con pico, pie hexagonal en vidrio

Impression bleue, bec verseur, pied hexagonal en verre

**BORO 3.3** **CL. A** **ISO 4788** **Batch Certificate**



| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Pack Unit |
|---------|-----------|-------------|-------------|-----------|
| 5139607 | 5         | 0,1         | 0,05        | 2         |
| 5139608 | 10        | 0,2         | 0,1         | 2         |
| 5139614 | 25        | 0,5         | 0,25        | 2         |
| 5139617 | 50        | 1           | 0,5         | 2         |
| 5139624 | 100       | 1           | 0,5         | 2         |
| 5139636 | 250       | 2           | 1           | 2         |
| 5139644 | 500       | 5           | 2,5         | 1         |
| 5139654 | 1000      | 10          | 5           | 1         |
| 5139663 | 2000      | 20          | 10          | 1         |

MEASURING CYLINDER • PROBETA GRADUADA • ÉPROVETTE GRADUÉE

Amber printing, with spout, glass hexagonal base

Impresión ámbar, con pico, pie hexagonal en vidrio

Impression ambre, bec verseur, pied hexagonal en verre

**BORO 3.3** **CL. A** **ISO 4788** **Batch Certificate**



| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Pack Unit |
|---------|-----------|-------------|-------------|-----------|
| 5189607 | 5         | 0,1         | 0,05        | 2         |
| 5189608 | 10        | 0,2         | 0,1         | 2         |
| 5189614 | 25        | 0,5         | 0,25        | 2         |
| 5189617 | 50        | 1           | 0,5         | 2         |
| 5189624 | 100       | 1           | 0,5         | 2         |
| 5189636 | 250       | 2           | 1           | 2         |
| 5189644 | 500       | 5           | 2,5         | 1         |
| 5189654 | 1000      | 10          | 5           | 1         |
| 5189663 | 2000      | 20          | 10          | 1         |

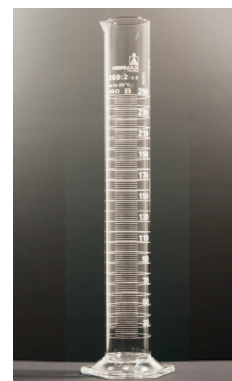
MEASURING CYLINDER • PROBETA GRADUADA • ÉPROVETTE GRADUÉE

White printing, with spout, glass hexagonal base

Impresión en blanco, con pico, pie hexagonal en vidrio

Impression blanche, bec verseur, pied hexagonal en verre

**BORO 3.3** **CL. A** **ISO 4788** **Batch Certificate**



**MEASURING CYLINDER • PROBETA GRADUADA •  
ÉPROVETTE GRADUÉE**


Blue/amber printing, PE-HD stopper, glass hexagonal base.

*Available with glass stopper and/or white printing*

Impresión azul/ámbar, tapón en PE-HD, pie hexagonal en vidrio.

*Disponible con tapón de vidrio y/o impresión en blanco*

Impression bleue/ambre, bouchon en PE-HD, pied hexagonal en verre.

*Disponible avec bouchon en verre et/ou impression blanche*

**BORO  
3.3**

**CL. A**

**ISO  
4788**

**Batch  
Certificate**

| Blue<br>Azul<br>Bleue | Amber<br>Ámbar<br>Ambre | Cap.<br>(ml) | Divis.<br>(ml) | Tol. ±<br>(ml) | NS    | Pack<br>Unit |
|-----------------------|-------------------------|--------------|----------------|----------------|-------|--------------|
| 5181807               | 5161807                 | 5            | 0,1            | 0,05           | 10/19 | 2            |
| 5181808               | 5161808                 | 10           | 0,2            | 0,1            | 10/19 | 2            |
| 5181814               | 5161814                 | 25           | 0,5            | 0,25           | 14/23 | 2            |
| 5181817               | 5161817                 | 50           | 1              | 0,5            | 19/26 | 2            |
| 5181824               | 5161824                 | 100          | 1              | 0,5            | 24/29 | 2            |
| 5181836               | 5161836                 | 250          | 2              | 1              | 29/32 | 2            |
| 5181844               | 5161844                 | 500          | 5              | 2,5            | 34/35 | 1            |
| 5181854               | 5161854                 | 1000         | 10             | 5              | 45/40 | 1            |
| 5181863               | 5161863                 | 2000         | 20             | 10             | 45/40 | 1            |

**MEASURING CYLINDER • PROBETA GRADUADA •  
ÉPROVETTE GRADUÉE**


Blue/amber printing, with spout, glass hexagonal base.

*Available with white printing*

Impresión azul/ámbar, con pico, pie hexagonal en vidrio.

*Disponible con impresión en blanco*

Impression bleue/ambre, bec verseur, pied hexagonal en verre.

*Disponible avec impression blanche*

**BORO  
3.3**

**CL. A**

**USP**

**Batch  
Certificate**

| Blue<br>Azul<br>Bleue | Amber<br>Ámbar<br>Ambre | Cap.<br>(ml) | Divis.<br>(ml) | Tol. ±<br>(ml) | NS    | Pack<br>Unit |
|-----------------------|-------------------------|--------------|----------------|----------------|-------|--------------|
| 5149607U              | 5139607U                | 5            | 0,1            | 0,05           | 10/19 | 2            |
| 5149608U              | 5139608U                | 10           | 0,2            | 0,1            | 10/19 | 2            |
| 5149614U              | 5139614U                | 25           | 0,5            | 0,25           | 14/23 | 2            |
| 5149617U              | 5139617U                | 50           | 1              | 0,5            | 19/26 | 2            |
| 5149624U              | 5139624U                | 100          | 1              | 0,5            | 24/29 | 2            |
| 5149636U              | 5139636U                | 250          | 2              | 1              | 29/32 | 2            |
| 5149644U              | 5139644U                | 500          | 5              | 2,5            | 34/35 | 1            |
| 5149654U              | 5139654U                | 1000         | 10             | 5              | 45/40 | 1            |
| 5149663U              | 5139663U                | 2000         | 20             | 10             | 45/40 | 1            |

GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE

Soda-lime glass

Batch certificate per each item

- The graduated pipettes, class AS, are available with specified waiting time of 5s, manufactured to delivery (EX +5s);
- Upon request, other capacities and scale divisions are available (see table of technical data);
- All Normax graduated pipettes have colour code identification bands according to ISO 1769;
- Manufactured from clear glass which resistance meets at least HGB3 according to ISO 719;
- Works certificate available on request
- Available with Schellbach stripe for best reading accuracy;
- Available calibration certificate by NORMALAB (ISO 17025 accredited laboratory)

Vidrio corriente

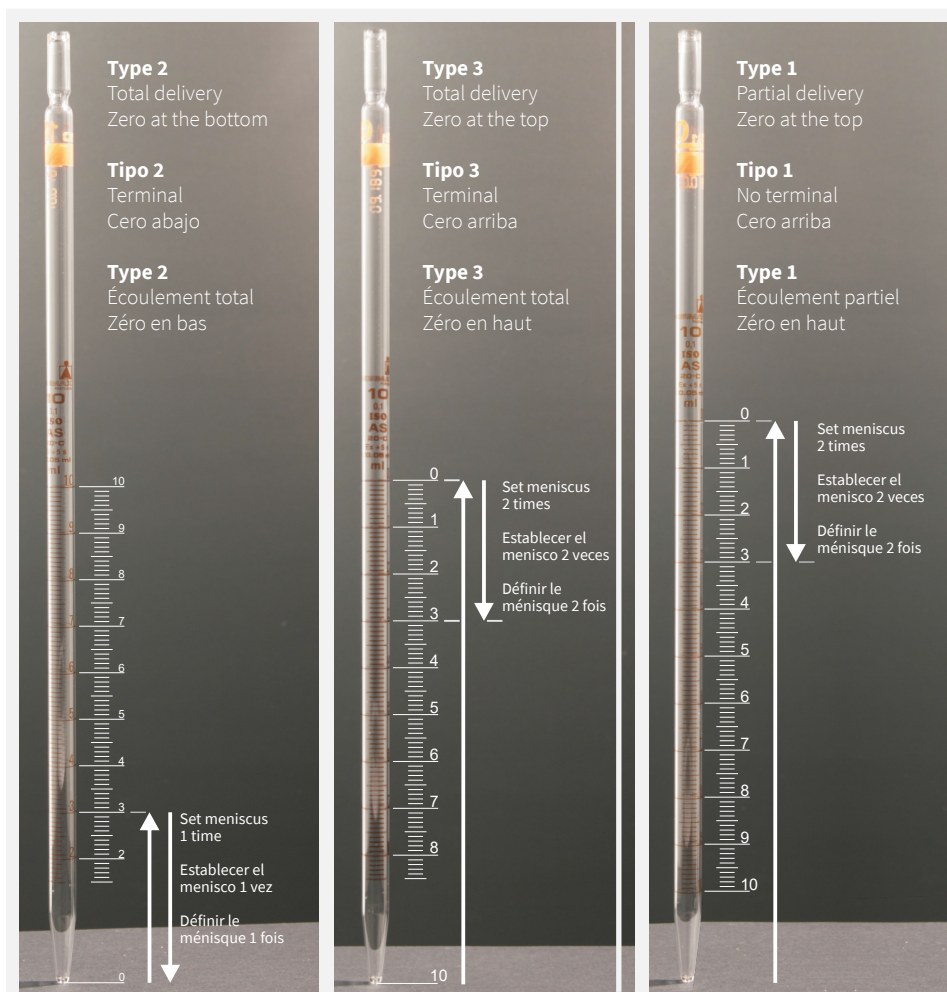
Certificado de serie por pieza

- Ajustado por vertido (Ex);
- Las pipetas graduadas, clase AS, son fabricadas con un tiempo de espera de 5s, ajustadas por vertido (EX + 5s);
- A pedido, pueden fabricarse otras capacidades y divisiones (ver tabla de especificaciones técnicas);
- Las pipetas graduadas tienen tarjetas de identificación por código de colores, de acuerdo a la norma ISO 1769;
- Fabricadas a partir de vidrio transparente de resistencia igual o superior a HGB3, en conformidad con la ISO 719;
- Certificado individual a pedido;
- Disponible con franja Schellbach para mejor precisión de la lectura;
- Disponible certificado de calibración por NORMALAB (laboratorio acreditado según la norma ISO 17025)

Verre sodocalcique

Certificat de performance par pièce

- Les pipettes graduées à livraison total, classe AS, sont fabriquées avec temps d'attente de 5s, graduées à délivrer (EX + 5s);
- Par demande, on peut fabriquer d'autres capacités et divisions (voir la table des spécifications techniques);
- Les pipettes graduées ont une bande d'identification par code de couleurs, conforme à la norme ISO 1769;
- Fabriquées à partir de verre transparent de résistance égale ou supérieure à HGB3, en conformité à la norme ISO 719;
- Certificat individuel sous demande;
- Disponible avec bande Schellbach est le meilleur précision de lecture;
- Disponible certificat d'étalonnage emis par NORMALAB (laboratoire accrédité selon la norme ISO 17025)



Type 1 - PARTIAL DELIVERY

Graduated pipettes adjusted for delivery of a liquid from zero line at the top to any graduation line; nominal capacity shall be represented by the lowest graduation line;

Type 2 - TOTAL DELIVERY

Graduated pipettes adjusted for delivery of a liquid from zero line at the bottom to any graduation line; nominal capacity shall be represented by the highest graduation line;

Type 3 - TOTAL DELIVERY

Graduated pipettes adjusted for delivery of a liquid from zero line at the top to any graduation line; nominal capacity shall be represented by the lowest graduation line;

| Cap. (ml) | Div. (ml) | Colour • Color • Couleur      | Length (±10) (mm) | Tol. ± Class A/AS(ml) | Tol. ± Class B (ml) | Pack Unit |
|-----------|-----------|-------------------------------|-------------------|-----------------------|---------------------|-----------|
| 0,1       | 0,01      | □ 1 white • blanco • blanche  | 360               | 0,006                 | 0,01                | 5         |
| 0,2       | 0,01      | ■ 1 black • negro • noire     | 360               | 0,006                 | 0,01                | 5         |
| 0,5       | 0,01      | ■ 2 yellow • amarillo • jaune | 360               | 0,006                 | 0,01                | 5         |
| 1         | 0,01      | ■ 1 yellow • amarillo • jaune | 360               | 0,007                 | 0,01                | 5         |
| 1         | 0,10      | ■ 1 red • rojo • rouge        | 360               | 0,007                 | 0,01                | 5         |
| 2*        | 0,01      | □ 2 white • blanco • blanche  | 360               | 0,01                  | 0,02                | 5         |
| 2         | 0,02      | ■ 1 black • negro • noire     | 360               | 0,01                  | 0,02                | 5         |
| 2         | 0,10      | ■ 1 green • verde • verte     | 360               | 0,01                  | 0,02                | 5         |
| 5         | 0,05      | ■ 1 red • rojo • rouge        | 360               | 0,03                  | 0,05                | 5         |
| 5         | 0,10      | ■ 1 blue • azul • bleue       | 360               | 0,03                  | 0,05                | 5         |
| 10        | 0,1       | ■ 1 orange • naranja • orange | 360               | 0,05                  | 0,1                 | 5         |
| 20        | 0,1       | ■ 2 yellow • amarillo • jaune | 360               | 0,1                   | 0,2                 | 5   4 **  |
| 25        | 0,1       | □ 1 white • blanco • blanche  | 395               | 0,1                   | 0,2                 | 5   4 **  |
| 25        | 0,2       | ■ 1 green • verde • verte     | 395               | 0,1                   | 0,2                 | 5   4 **  |
| 50*       | 0,1       | ■ 2 orange • naranja • orange | 635               | 0,25                  | 0,5                 | 5   4 **  |
| 50*       | 0,2       | ■ 1 black • negro • noire     | 635               | 0,25                  | 0,5                 | 5   4 **  |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

\*\*Quantity per box with safety bulb • Cantidad por caja con bulbo de seguridad • Quantité par boîte avec boule de sécurité

### GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE



Type 3, blue printing, total delivery, zero at the top. Available with white printing

Tipo 3, impresión azul, terminal, cero arriba. Disponible con impresión en blanco

Type 3, impression bleue, écoulement total, zéro en haut. Disponible avec impression blanche

SODA

CL. A

ISO  
835

Batch  
Certificate

| Ref.      | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|-----------|-----------|-------------|-------------|---------------|-----------|
| 5454301** | 0,1       | 0,01        | 0,006       | 1-3           | 5         |
| 5454303** | 0,2       | 0,01        | 0,006       | 1-4           | 5         |
| 5454305*  | 0,5       | 0,01        | 0,006       | -             | 5         |
| 5454311   | 1         | 0,01        | 0,007       | 5-7           | 5         |
| 5454311F  | 1         | 0,1         | 0,007       | 5-7           | 5         |
| 5454316*  | 2         | 0,01        | 0,010       | -             | 5         |
| 5454317   | 2         | 0,02        | 0,010       | 6-9           | 5         |
| 5454316F  | 2         | 0,1         | 0,010       | 6-9           | 5         |
| 5454324   | 5         | 0,05        | 0,030       | 8-11          | 5         |
| 5454324F  | 5         | 0,1         | 0,030       | 8-11          | 5         |
| 5454329   | 10        | 0,1         | 0,05        | 10-13         | 5         |
| 5454332*  | 20        | 0,1         | 0,1         | -             | 5         |
| 5454334   | 25        | 0,1         | 0,1         | 11-16         | 5         |
| 5454336   | 25        | 0,2         | 0,1         | 11-16         | 5         |
| 5454338*  | 50        | 0,1         | 0,25        | -             | 5         |
| 5454339*  | 50        | 0,2         | 0,25        | -             | 5         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

\*\*In addition to ISO and graduated to contain • En adición a ISO y ajustado por contenido • En complément à l'ISO et graduées à contenir

### GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE



Type 3, amber printing, total delivery, zero at the top. Available with white printing

Tipo 3, impresión ámbar, terminal, cero arriba. Disponible con impresión en blanco

Type 3, impression ambre, écoulement total, zéro en haut. Disponible avec impression blanche

SODA

CL. A

ISO  
835

Batch  
Certificate

| Ref.      | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|-----------|-----------|-------------|-------------|---------------|-----------|
| 5434301** | 0,1       | 0,01        | 0,006       | 1-3           | 5         |
| 5434303** | 0,2       | 0,01        | 0,006       | 1-4           | 5         |
| 5434305*  | 0,5       | 0,01        | 0,006       | -             | 5         |
| 5434311   | 1         | 0,01        | 0,007       | 5-7           | 5         |
| 5434311F  | 1         | 0,1         | 0,007       | 5-7           | 5         |
| 5434316*  | 2         | 0,01        | 0,010       | -             | 5         |
| 5434317   | 2         | 0,02        | 0,010       | 6-9           | 5         |
| 5434316F  | 2         | 0,1         | 0,010       | 6-9           | 5         |
| 5434324   | 5         | 0,05        | 0,030       | 8-11          | 5         |
| 5434324F  | 5         | 0,1         | 0,030       | 8-11          | 5         |
| 5434329   | 10        | 0,1         | 0,05        | 10-13         | 5         |
| 5434332*  | 20        | 0,1         | 0,1         | -             | 5         |
| 5434334   | 25        | 0,1         | 0,1         | 11-16         | 5         |
| 5434336   | 25        | 0,2         | 0,1         | 11-16         | 5         |
| 5434338*  | 50        | 0,1         | 0,25        | -             | 5         |
| 5434339*  | 50        | 0,2         | 0,25        | -             | 5         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

\*\*In addition to ISO and graduated to contain • En adición a ISO y ajustado por contenido • En complément à l'ISO et graduées à contenir

| Ref.     | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|----------|-----------|-------------|-------------|---------------|-----------|
| 5455305  | 0,5       | 0,01        | 0,006       | 4-10          | 5         |
| 5455311  | 1         | 0,01        | 0,007       | 4-10          | 5         |
| 5455311F | 1         | 0,1         | 0,007       | 4-10          | 5         |
| 5455316* | 2         | 0,01        | 0,01        | -             | 5         |
| 5455317  | 2         | 0,02        | 0,01        | 4-10          | 5         |
| 5455316F | 2         | 0,1         | 0,01        | 4-10          | 5         |
| 5455324  | 5         | 0,05        | 0,03        | 7-13          | 5         |
| 5455324F | 5         | 0,1         | 0,03        | 7-13          | 5         |
| 5455329  | 10        | 0,1         | 0,05        | 7-13          | 5         |
| 5455332  | 20        | 0,1         | 0,1         | 11-17         | 5         |
| 5455334  | 25        | 0,1         | 0,1         | 11-17         | 5         |
| 5455336  | 25        | 0,2         | 0,1         | -             | 5         |
| 5455338* | 50        | 0,1         | 0,25        | -             | 5         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

| Ref.     | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|----------|-----------|-------------|-------------|---------------|-----------|
| 5414305  | 0,5       | 0,01        | 0,006       | 4-10          | 5         |
| 5414311  | 1         | 0,01        | 0,007       | 4-10          | 5         |
| 5414311F | 1         | 0,10        | 0,007       | 4-10          | 5         |
| 5414316* | 2         | 0,01        | 0,01        | -             | 5         |
| 5414317  | 2         | 0,02        | 0,01        | 4-10          | 5         |
| 5414316F | 2         | 0,1         | 0,01        | 4-10          | 5         |
| 5414324  | 5         | 0,05        | 0,03        | 7-13          | 5         |
| 5414324F | 5         | 0,1         | 0,03        | 7-13          | 5         |
| 5414329  | 10        | 0,1         | 0,05        | 7-13          | 5         |
| 5414332  | 20        | 0,1         | 0,1         | 11-17         | 5         |
| 5414334  | 25        | 0,1         | 0,1         | 11-17         | 5         |
| 5414336  | 25        | 0,2         | 0,1         | -             | 5         |
| 5414338* | 50        | 0,1         | 0,25        | -             | 5         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

### GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE

Type 3, blue printing, total delivery, zero at the top. Available with white printing

Tipo 3, impresión azul, terminal, cero arriba. Disponible con impresión en blanco

Type 3, impression bleue, écoulement total, zéro en haut. Disponible avec impression blanche

SODA

CL. AS

ISO 835

Batch Certificate



### GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE

Type 3, amber printing, total delivery, zero at the top. Available with white printing

Tipo 3, impresión ámbar, terminal, cero arriba. Disponible con impresión en blanco

Type 3, impression ambre, verre sodocalcique, écoulement total, zéro en haut. Disponible avec impression blanche

SODA

CL. AS

ISO 835

Batch Certificate



## GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE



Type 2, amber printing, total delivery, zero at the bottom. *Available with blue or white printing*

Tipo 2, impresión ámbar terminal, cero abajo. *Disponible con impresión azul o blanco*

Type 2, impression ambre, écoulement total, zéro en bas. *Disponible avec impression bleue ou blanche*

SODA

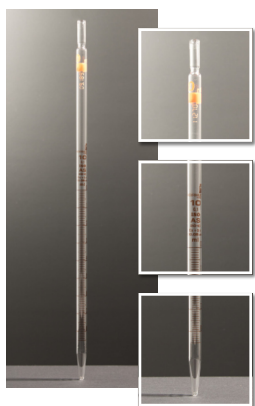
CL. A

ISO  
835Batch  
Certificate

| Ref.     | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|----------|-----------|-------------|-------------|---------------|-----------|
| 5444305  | 0,5       | 0,01        | 0,006       | 4-10          | 5         |
| 5444311  | 1         | 0,01        | 0,007       | 4-10          | 5         |
| 5444311F | 1         | 0,1         | 0,007       | 4-10          | 5         |
| 5444316* | 2         | 0,01        | 0,01        | -             | 5         |
| 5444317  | 2         | 0,02        | 0,01        | 4-10          | 5         |
| 5444316F | 2         | 0,1         | 0,01        | 4-10          | 5         |
| 5444324  | 5         | 0,05        | 0,03        | 7-13          | 5         |
| 5444324F | 5         | 0,1         | 0,03        | 7-13          | 5         |
| 5444329  | 10        | 0,1         | 0,05        | 7-13          | 5         |
| 5444332  | 20        | 0,1         | 0,1         | 11-17         | 5         |
| 5444334  | 25        | 0,1         | 0,1         | 11-17         | 5         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

## GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE



Type 2, amber printing, total delivery, zero at the bottom. *Available with blue or white printing*

Tipo 2, impresión ámbar terminal, cero abajo. *Disponible con impresión azul o blanco*

Type 2, impression ambre, écoulement total, zéro en bas. *Disponible avec impression bleue ou blanche*

SODA

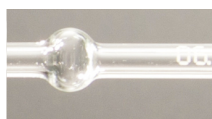
CL. AS

ISO  
835Batch  
Certificate

| Ref.     | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|----------|-----------|-------------|-------------|---------------|-----------|
| 5424305  | 0,5       | 0,01        | 0,006       | 4-10          | 5         |
| 5424311  | 1         | 0,01        | 0,007       | 4-10          | 5         |
| 5424311F | 1         | 0,1         | 0,007       | 4-10          | 5         |
| 5424316* | 2         | 0,01        | 0,01        | -             | 5         |
| 5424317  | 2         | 0,02        | 0,01        | 4-10          | 5         |
| 5424316F | 2         | 0,1         | 0,01        | 4-10          | 5         |
| 5424324  | 5         | 0,05        | 0,03        | 7-13          | 5         |
| 5424324F | 5         | 0,1         | 0,03        | 7-13          | 5         |
| 5424329  | 10        | 0,1         | 0,05        | 7-13          | 5         |
| 5424332  | 20        | 0,1         | 0,1         | 11-17         | 5         |
| 5424334  | 25        | 0,1         | 0,1         | 11-17         | 5         |

## WITH SAFETY BULB • CON BULBO DE SEGURIDAD • AVEC BOULE DE SÉCURITÉ

REPLACE THE FIRST 5 BY 6  
SUSTITUYA EL PRIMER 5 POR 6  
REPLACER LE PREMIER 5 PAR 6



## WITH PISTON • CON ÉMBOLO • AVEC PISTON

REPLACE THE FIRST 5 BY 7  
SUSTITUYA EL PRIMER 5 POR 7  
REPLACER LE PREMIER 5 PAR 7



| Ref.     | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|----------|-----------|-------------|-------------|---------------|-----------|
| 5454405  | 0,5       | 0,01        | 0,006       | 4-10          | 5         |
| 5454411  | 1         | 0,01        | 0,007       | 4-10          | 5         |
| 5454411F | 1         | 0,1         | 0,007       | 4-10          | 5         |
| 5454416* | 2         | 0,01        | 0,01        | -             | 5         |
| 5454417  | 2         | 0,02        | 0,01        | 4-10          | 5         |
| 5454416F | 2         | 0,1         | 0,01        | 4-10          | 5         |
| 5454424  | 5         | 0,05        | 0,03        | 7-13          | 5         |
| 5454424F | 5         | 0,1         | 0,03        | 7-13          | 5         |
| 5454429  | 10        | 0,1         | 0,05        | 7-13          | 5         |
| 5454432  | 20        | 0,1         | 0,1         | 11-17         | 5         |
| 5454434  | 25        | 0,1         | 0,1         | 11-17         | 5         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE

Type 1, blue printing, partial delivery, zero at the top. Available with white printing

Tipo 1, impresión azul, no terminal, cero arriba. Disponible con impresión en blanco

Type 1, impression bleue, écoulement partiel, zéro en haut. Disponible avec impression blanche

SODA CL. AS ISO 835

Batch Certificate



| Ref.     | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|----------|-----------|-------------|-------------|---------------|-----------|
| 5434401  | 0,1       | 0,01        | 0,006       | 2-3           | 5         |
| 5434403  | 0,2       | 0,01        | 0,006       | 2-4           | 5         |
| 5434405* | 0,5       | 0,01        | 0,006       | -             | 5         |
| 5434411  | 1         | 0,01        | 0,007       | 7-10          | 5         |
| 5434411F | 1         | 0,1         | 0,007       | 2-10          | 5         |
| 5434416* | 2         | 0,01        | 0,01        | -             | 5         |
| 5434417  | 2         | 0,02        | 0,01        | 8-12          | 5         |
| 5434416F | 2         | 0,1         | 0,01        | 2-12          | 5         |
| 5434424  | 5         | 0,05        | 0,03        | 10-14         | 5         |
| 5434424F | 5         | 0,1         | 0,03        | 4-14          | 5         |
| 5434429  | 10        | 0,1         | 0,05        | 13-17         | 5         |
| 5434432  | 20        | 0,1         | 0,1         | -             | 5         |
| 5434434  | 25        | 0,1         | 0,1         | 15-21         | 5         |
| 5434436  | 25        | 0,2         | 0,1         | 5-15          | 5         |
| 5434438  | 50        | 0,1         | 0,25        | -             | 5         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE

Type 1, amber printing, partial delivery, zero at the top. Available with white printing

Tipo 1, impresión ámbar, no terminal, cero arriba. Disponible con impresión en blanco

Type 1, impression ambre, écoulement partiel, zéro en haut. Disponible avec impression blanche

SODA CL. A ISO 835

Batch Certificate



| Ref.     | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|----------|-----------|-------------|-------------|---------------|-----------|
| 5424405  | 0,5       | 0,01        | 0,006       | 4-10          | 5         |
| 5424411  | 1         | 0,01        | 0,007       | 4-10          | 5         |
| 5424411F | 1         | 0,1         | 0,007       | 4-10          | 5         |
| 5424416* | 2         | 0,01        | 0,01        | -             | 5         |
| 5424417  | 2         | 0,02        | 0,01        | 4-10          | 5         |
| 5424416F | 2         | 0,1         | 0,01        | 4-10          | 5         |
| 5424424  | 5         | 0,05        | 0,03        | 7-13          | 5         |
| 5424424F | 5         | 0,1         | 0,03        | 7-13          | 5         |
| 5424429  | 10        | 0,1         | 0,05        | 7-13          | 5         |
| 5424432  | 20        | 0,1         | 0,1         | 11-17         | 5         |
| 5424434  | 25        | 0,1         | 0,1         | 11-17         | 5         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

GRADUATED PIPETTE • PIPETA GRADUADA • PIPETTE GRADUÉE

Type 1, amber printing, partial delivery, zero at the top. Available with white printing

Tipo 1, impresión ámbar, no terminal, cero arriba. Disponible con impresión en blanco

Type 1, impression ambre, écoulement partiel, zéro en haut. Disponible avec impression blanche

SODA CL. AS ISO 835

Batch Certificate



## VOLUMETRIC PIPETTE • PIPETA AFORADA • PIPETTE JAUGÉE

## Soda-lime glass

## Batch certificate per each item

- Class AS, available with specified waiting time of 5s, manufactured to delivery (EX +5s);
- Graduated to deliver (Ex);
- All Normax volumetric pipettes have colour code identification bands according to ISO 1769;
- Works certificate available on request;
- Available calibration certificate by NORMALAB (ISO 17025 accredited laboratory)

## Vidrio corriente

## Certificado de serie por pieza

- Clase AS, fabricadas con un tiempo de espera de 5s, ajustadas por vertido (EX + 5s);
- Ajustado por vertido (Ex);
- Las pipetas aforadas Normax tienen bandas de identificación por código de colores, de acuerdo a la norma ISO 1769;
- Certificado individual a pedido;
- Disponible: certificado de calibración por NORMALAB laboratorio acreditado según la norma ISO 17025

## Verre sodocalcique

## Certificat de performane par pièce

- Classe AS, fabriquées avec temps d'attente de 5s, graduées à délivrer (EX + 5s);
- Graduées à écouler (Ex);
- Les pipettes jaugées Normax ont une bande d'identification par code de couleurs, conforme à la norme ISO 1769;
- Certificat individuel sous demande;
- Disponible: certificat d'étalonnage emis par NORMALAB (laboratoire accrédité selon la norme ISO 17025)

## VOLUMETRIC PIPETTE • PIPETA AFORADA • PIPETTE JAUGÉE



One mark, blue printing.  
Available with amber printing

Un aforo, impresión azul  
Disponible con impresión ámbar

Un trait de jauge, impression bleue.  
Disponible avec impression ambre

SODA

CL. A

ISO  
648Batch  
Certificate

| Ref.     | Cap. (ml) | Tol. ± (ml) | Colour • Color • Couleur    | Pack Unit |
|----------|-----------|-------------|-----------------------------|-----------|
| 3433701  | 1         | 0.008       | 1 blue • azul • bleue       | 5         |
| 3433702  | 2         | 0.010       | 1 orange • naranja • orange | 5         |
| 3433704* | 2.5       | 0.012       | orange • naranja • orange   | 5         |
| 3433703* | 3         | 0.015       | 1 black • negro • noire     | 5         |
| 3433705* | 4         | 0.015       | 2 red • rojo • rouge        | 5         |
| 3433707  | 5         | 0.015       | 1 white • blanco • blanche  | 5         |
| 3433706* | 6         | 0.015       | 2 orange • naranja • orange | 5         |
| 3433713* | 7         | 0.02        | 2 green • verde • verte     | 5         |
| 3433711* | 8         | 0.02        | 1 blue • azul • bleue       | 5         |
| 3433718* | 9         | 0.02        | 1 black • negro • noire     | 5         |
| 3433708  | 10        | 0.02        | 1 red • rojo • rouge        | 5         |
| 3433710* | 11        | 0.02        | orange • naranja • orange   | 5         |
| 3433720* | 12        | 0.02        | blue • azul • bleue         | 5         |
| 3433721* | 13        | 0.02        | orange • naranja • orange   | 5         |
| 3433722* | 14        | 0.02        | white • blanco • blanche    | 5         |
| 3433709* | 15        | 0.03        | 1 green • verde • verte     | 5         |
| 3433723* | 16        | 0.03        | red • rojo • rouge          | 5         |
| 3433725* | 17        | 0.03        | blue • azul • bleue         | 5         |
| 3433727* | 18        | 0.03        | orange • naranja • orange   | 5         |
| 3433728* | 19        | 0.03        | white • blanco • blanche    | 5         |
| 3433712  | 20        | 0.03        | 2 yellow • amarillo • jaune | 5         |
| 3433729* | 21        | 0.03        | red • rojo • rouge          | 5         |
| 3433730* | 22        | 0.03        | blue • azul • bleue         | 5         |
| 3433731* | 23        | 0.03        | orange • naranja • orange   | 5         |
| 3433732* | 24        | 0.03        | white • blanco • blanche    | 5         |
| 3433714  | 25        | 0.03        | 1 blue • azul • bleue       | 5         |
| 3433715* | 30        | 0.03        | 1 black • negro • noire     | 4         |
| 3433716* | 40        | 0.05        | 1 white • blanco • blanche  | 2         |
| 3433717  | 50        | 0.05        | 1 red • rojo • rouge        | 2         |
| 3433724  | 100       | 0.08        | 2 yellow • amarillo • jaune | 2         |
| 3433726* | 150       | 0.10        | 2 black • negro • noire     | 2         |
| 3433736* | 200       | 0.15        | 1 blue • azul • bleue       | 2         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

| Ref.     | Cap. (ml) | Tol. ± (ml) | Colour • Color • Couleur    | Pack Unit |
|----------|-----------|-------------|-----------------------------|-----------|
| 3433919  | 0,5       | 0,005       | 2 black • negro • noire     | 5         |
| 3433901  | 1         | 0,008       | 1 blue • azul • bleue       | 5         |
| 3433902  | 2         | 0,010       | 1 orange • naranja • orange | 5         |
| 3433904* | 2,5       | 0,012       | orange • naranja • orange   | 5         |
| 3433903* | 3         | 0,015       | 1 black • negro • noire     | 5         |
| 3433905* | 4         | 0,015       | 2 red • rojo • rouge        | 5         |
| 3433907  | 5         | 0,015       | 1 white • blanco • blanche  | 5         |
| 3433906* | 6         | 0,015       | 2 orange • naranja • orange | 5         |
| 3433913* | 7         | 0,02        | 2 green • verde • verte     | 5         |
| 3433911* | 8         | 0,02        | 1 blue • azul • bleue       | 5         |
| 3433818* | 9         | 0,02        | 1 black • negro • noire     | 5         |
| 3433908  | 10        | 0,02        | 1 red • rojo • rouge        | 5         |
| 3433910* | 11        | 0,02        | orange • naranja • orange   | 5         |
| 3433909* | 15        | 0,03        | 1 green • verde • verte     | 5         |
| 3433912  | 20        | 0,03        | 2 yellow • amarillo • jaune | 5         |
| 3433914  | 25        | 0,03        | 1 blue • azul • bleue       | 5         |
| 3433915* | 30        | 0,03        | 1 black • negro • noire     | 4         |
| 3433916* | 40        | 0,05        | 1 white • blanco • blanche  | 2         |
| 3433917  | 50        | 0,05        | 1 red • rojo • rouge        | 2         |
| 3433924  | 100       | 0,08        | 2 yellow • amarillo • jaune | 2         |
| 3433936* | 200       | 0,1         | 1 blue • azul • bleue       | 2         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

VOLUMETRIC PIPETTE • PIPETA AFORADA • PIPETTE JAUGÉE

One mark, blue printing, faster delivery with waiting time. Available with amber printing

Un aforo, impresión azul, vertido más rápido con tiempo de espera. Disponible con impresión ámbar

Un trait de jauge, impression bleue, temps d'écoulement et d'attente plus rapide. Disponible avec impression ambre



SODA CL. AS ISO 648

Batch Certificate

| Ref.     | Cap. (ml) | Tol. ± (ml) | Colour • Color • Couleur    | Pack Unit |
|----------|-----------|-------------|-----------------------------|-----------|
| 3433719U | 0,5       | 0,005       | 2 black • negro • noire     | 5         |
| 3433701U | 1         | 0,006       | 1 blue • azul • bleue       | 5         |
| 3433702U | 2         | 0,006       | 1 orange • naranja • orange | 5         |
| 3433703U | 3         | 0,01        | 1 black • negro • noire     | 5         |
| 3433705U | 4         | 0,01        | 2 red • rojo • rouge        | 5         |
| 3433707U | 5         | 0,01        | 1 white • blanco • blanche  | 5         |
| 3433706U | 6         | 0,01        | 2 orange • naranja • orange | 5         |
| 3433713U | 7         | 0,02        | 2 green • verde • verte     | 5         |
| 3433711U | 8         | 0,02        | 1 blue • azul • bleue       | 5         |
| 3433718U | 9         | 0,02        | 1 black • negro • noire     | 5         |
| 3433708U | 10        | 0,02        | 1 red • rojo • rouge        | 5         |
| 3433710U | 11        | 0,02        | orange • naranja • orange   | 5         |
| 3433709U | 15        | 0,03        | 2 green • verde • verte     | 5         |
| 3433712U | 20        | 0,03        | 2 yellow • amarillo • jaune | 5         |
| 3433714U | 25        | 0,03        | 1 blue • azul • bleue       | 4         |
| 3433715U | 30        | 0,03        | 1 black • negro • noire     | 2         |
| 3433717U | 50        | 0,05        | 1 red • rojo • rouge        | 2         |
| 3433724U | 100       | 0,08        | 2 yellow • amarillo • jaune | 2         |
| 3433736U | 200       | 0,1         | 1 blue • azul • bleue       | 2         |

VOLUMETRIC PIPETTE • PIPETA AFORADA • PIPETTE JAUGÉE

One mark, blue printing, Available with amber printing

Un aforo, impresión azul, Disponible con impresión ámbar

Un trait de jauge, impression bleue, Disponible avec impression ambre



SODA CL. A USP

Batch Certificate

## VOLUMETRIC PIPETTE • PIPETA AFORADA • PIPETTE JAUGÉE



Two mark, blue printing,  
Available with amber printing

Dos aforo, impresión azul.  
Disponible con impresión ámbar

Deux traits de jauge, impression  
bleue. Disponible avec impression  
ambre

SODA

CL. A

ISO  
648Batch  
Certificate

| Ref.     | Cap. (ml) | Tol. ± (ml) | Colour • Color • Couleur    | Pack Unit |
|----------|-----------|-------------|-----------------------------|-----------|
| 3433801  | 1         | 0.008       | 1 blue • azul • bleue       | 5         |
| 3433802  | 2         | 0.010       | 1 orange • naranja • orange | 5         |
| 3433804* | 2.5       | 0.012       | orange • naranja • orange   | 5         |
| 3433803* | 3         | 0.015       | 1 black • negro • noire     | 5         |
| 3433805* | 4         | 0.015       | 2 red • rojo • rouge        | 5         |
| 3433807  | 5         | 0.015       | 1 white • blanco • blanche  | 5         |
| 3433806* | 6         | 0.015       | 2 orange • naranja • orange | 5         |
| 3433813* | 7         | 0.02        | 2 green • verde • verte     | 5         |
| 3433811* | 8         | 0.02        | 1 blue • azul • bleue       | 5         |
| 3433818* | 9         | 0.02        | 1 black • negro • noire     | 5         |
| 3433808  | 10        | 0.02        | 1 red • rojo • rouge        | 5         |
| 3433810* | 11        | 0.02        | orange • naranja • orange   | 5         |
| 3433809* | 15        | 0.03        | 1 green • verde • verte     | 5         |
| 3433812  | 20        | 0.03        | 2 yellow • amarillo • jaune | 5         |
| 3433814  | 25        | 0.03        | 1 blue • azul • bleue       | 5         |
| 3433815* | 30        | 0.03        | 1 black • negro • noire     | 4         |
| 3433816* | 40        | 0.05        | 1 white • blanco • blanche  | 2         |
| 3433817  | 50        | 0.05        | 1 red • rojo • rouge        | 2         |
| 3433824  | 100       | 0.08        | 2 yellow • amarillo • jaune | 2         |
| 3433826* | 150       | 0.10        | 2 black • negro • noire     | 2         |
| 3433836* | 200       | 0.15        | 1 blue • azul • bleue       | 2         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

## VOLUMETRIC PIPETTE • PIPETA AFORADA • PIPETTE JAUGÉE



Two mark, blue printing, faster  
delivery with waiting time.  
Available with amber printing

Dos aforo, impresión azul, vertido  
más rápido con tiempo de  
espera. Disponible con impresión  
ámbar

Deux traits de jauge, impression  
bleue, temp's d'écoulement et  
d'attente plus rapides. Disponible  
avec impression ambré

SODA

CL. AS

ISO  
648Batch  
Certificate

| Ref.     | Cap. (ml) | Tol. ± (ml) | Colour • Color • Couleur    | Pack Unit |
|----------|-----------|-------------|-----------------------------|-----------|
| 3434001  | 1         | 0.008       | 1 blue • azul • bleue       | 5         |
| 3434002  | 2         | 0.010       | 1 orange • naranja • orange | 5         |
| 3434004* | 2.5       | 0.012       | orange • naranja • orange   | 5         |
| 3434003* | 3         | 0.015       | 1 black • negro • noire     | 5         |
| 3434007  | 5         | 0.015       | 1 white • blanco • blanche  | 5         |
| 3434006* | 6         | 0.015       | 2 orange • naranja • orange | 5         |
| 3434013* | 7         | 0.02        | 2 green • verde • verte     | 5         |
| 3434011* | 8         | 0.02        | 1 blue • azul • bleue       | 5         |
| 3434008  | 10        | 0.02        | 1 red • rojo • rouge        | 5         |
| 3434014  | 25        | 0.03        | 1 blue • azul • bleue       | 5         |
| 3434015* | 30        | 0.03        | 1 black • negro • noire     | 4         |
| 3434017  | 50        | 0.05        | 1 red • rojo • rouge        | 2         |
| 3434024  | 100       | 0.08        | 1 yellow • amarillo • jaune | 2         |

\*In addition to ISO • En adición a ISO • En complément à la norme ISO

**BURETTE • BURETA • BURETTE**

**Class AS**

**Boro 3.3 Glass**

**Batch certificate per each item**

- Available with Schellbach stripe for best reading accuracy (add 1 to the end of reference code)
- Graduated to deliver (EX)
- Works certificate available on request
- Available calibration certificate by NORMALAB (ISO 17025 accredited laboratory)
- Available special lubricant for the stopcocks

**Clase AS**

**Vidrio boro 3.3**

**Certificado de serie por pieza**

- Disponible con franja Schellbach para mejor precisión de la lectura (añadir 1 al final del código de referencia)
- Ajustado por vertido (EX)
- Certificado individual a pedido
- Disponible: certificado de calibración por NORMALAB (laboratorio acreditado según la norma ISO 17025)
- Disponible lubricante especial para las llaves de paso

**Classe AS**

**Verre boro 3.3**

**Batch certificate per each item**

- Disponible avec bande Schellbach pour meilleur précision de lectura (ajouter 1 au code de référence)
- Graduées à écouler (EX)
- Certificat individuel sous demande
- Disponible: certificat d'étalonnage emis par NORMALAB (laboratoire accrédité selon la norme ISO 17025)
- Disponible lubrifiant spécial pour les robinets

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5432816 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5432822 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5432827 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5432829 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5432834 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5432833 | 25        | 0,10        | 0,05        | 35-45         | 1         |
| 5432836 | 50        | 0,10        | 0,05        | 35-45         | 1         |
| 5432839 | 100       | 0,20        | 0,10        | 35-45         | 1         |

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5472816 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5472822 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5472827 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5472829 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5472834 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5472833 | 25        | 0,10        | 0,05        | 35-45         | 1         |
| 5472836 | 50        | 0,10        | 0,05        | 35-45         | 1         |
| 5472839 | 100       | 0,20        | 0,10        | 35-45         | 1         |

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5433016 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5433022 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5433027 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5433029 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5433034 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5433033 | 25        | 0,1         | 0,05        | 35-45         | 1         |
| 5433036 | 50        | 0,1         | 0,05        | 35-45         | 1         |
| 5433039 | 100       | 0,2         | 0,1         | 35-45         | 1         |

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5473016 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5473022 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5473027 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5473029 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5473034 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5473033 | 25        | 0,1         | 0,05        | 35-45         | 1         |
| 5473036 | 50        | 0,1         | 0,05        | 35-45         | 1         |
| 5473039 | 100       | 0,2         | 0,1         | 35-45         | 1         |

**BURETTE • BURETA • BURETTE**

Straight stopcock, glass key, blue printing, waiting time 30s

Llave de paso recto, llave de vidrio, impresión azul, tiempo de espera 30s

Robinet droit, clé en verre, impression bleue, temps d'attente 30s

With flared top

Con embudo

Avec entonnoir

**BORO 3.3** **CL. AS** **ISO 385**  
**Batch Certificate**



**BURETTE • BURETA • BURETTE**

Straight stopcock, PTFE key, blue printing, waiting time 30s

Llave de paso recto, llave PTFE, impresión azul, tiempo de espera 30s

Robinet droit, clé en PTFE, impression bleue, temps d'attente 30s

With flared top

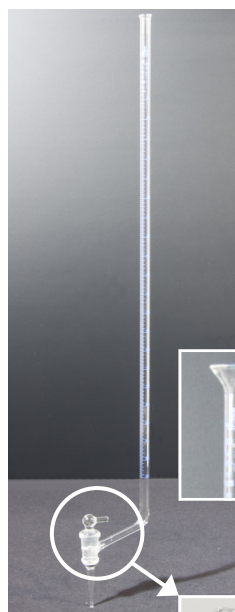
Con embudo

Avec entonnoir

**BORO 3.3** **CL. AS** **ISO 385**  
**Batch Certificate**



## BURETTE • BURETA • BURETTE



Lateral stopcock, glass key, blue printing, waiting time 30s

Llave lateral y de vidrio, impresión azul, tiempo de espera 30s

Robinet latéral, clé en verre, impression bleue, temps d'attente 30s

With flared top

Con embudo

Avec entonnoir

**BORO**  
3.3

**CL. AS**

**ISO**  
385

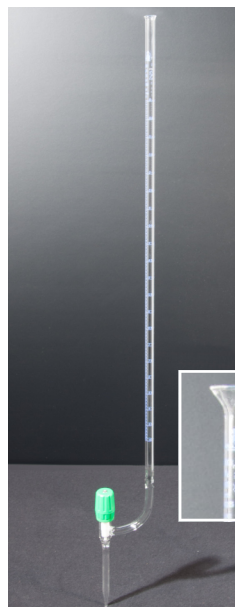
Batch  
Certificate

**New stopcock available**  
**Nueva llave de paso disponible**  
**Nouveau robinet disponible**

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5432616 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5432622 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5432627 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5432629 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5432634 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5432633 | 25        | 0,1         | 0,05        | 35-45         | 1         |
| 5432636 | 50        | 0,1         | 0,05        | 35-45         | 1         |
| 5432639 | 100       | 0,2         | 0,1         | 35-45         | 1         |

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5472616 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5472622 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5472627 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5472629 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5472634 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5472633 | 25        | 0,1         | 0,05        | 35-45         | 1         |
| 5472636 | 50        | 0,1         | 0,05        | 35-45         | 1         |
| 5472639 | 100       | 0,2         | 0,1         | 35-45         | 1         |

## BURETTE • BURETA • BURETTE



Lateral stopcock, PTFE needle-valve, blue printing, waiting time 30s

Llave lateral, punzón PTFE, impresión azul, tiempo de espera 30s

Robinet latéral, valve en PTFE, impression bleue, temps d'attente 30s

With flared top

Con embudo

Avec entonnoir

**BORO**  
3.3

**CL. AS**

**ISO**  
385

Batch  
Certificate

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5432716 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5432722 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5432727 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5432729 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5432734 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5432733 | 25        | 0,1         | 0,05        | 35-45         | 1         |
| 5432736 | 50        | 0,1         | 0,05        | 35-45         | 1         |
| 5432739 | 100       | 0,2         | 0,1         | 35-45         | 1         |

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5472716 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5472722 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5472727 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5472729 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5472734 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5472733 | 25        | 0,1         | 0,05        | 35-45         | 1         |
| 5472736 | 50        | 0,1         | 0,05        | 35-45         | 1         |
| 5472739 | 100       | 0,2         | 0,1         | 35-45         | 1         |

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5432916 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5432922 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5432927 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5432929 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5432934 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5432933 | 25        | 0,1         | 0,05        | 35-45         | 1         |
| 5432936 | 50        | 0,1         | 0,05        | 35-45         | 1         |
| 5432939 | 100       | 0,2         | 0,1         | 35-45         | 1         |

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Delivery time | Pack Unit |
|---------|-----------|-------------|-------------|---------------|-----------|
| 5472916 | 2         | 0,01        | 0,01        | 8-20          | 1         |
| 5472922 | 5         | 0,02        | 0,01        | 15-25         | 1         |
| 5472927 | 10        | 0,02        | 0,02        | 35-45         | 1         |
| 5472929 | 10        | 0,05        | 0,02        | 35-45         | 1         |
| 5472934 | 25        | 0,05        | 0,03        | 35-45         | 1         |
| 5472933 | 25        | 0,1         | 0,05        | 35-45         | 1         |
| 5472936 | 50        | 0,1         | 0,05        | 35-45         | 1         |
| 5472939 | 100       | 0,2         | 0,1         | 35-45         | 1         |

**BURETTE • BURETA • BURETTE**

Straight stopcock, PTFE needle-valve, blue printing, waiting time 30s

Llave de paso recto, punzón PTFE, impresión azul, tiempo de espera 30s

Robinet droit, valve en PTFE, impression bleue, temps d'attente 30s

With flared top

Con embudo

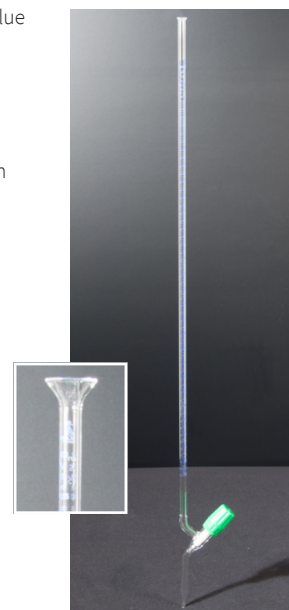
Avec entonnoir

**BORO**  
3.3

**CL. AS**

**ISO**  
385

Batch  
Certificate

**COMPONENTS • COMPONENTES • COMPOSANTS**

Looking for components, please check:

En busca de componentes, por favor consulte:

À la recherche de composants, s'il vous plaît vérifier:

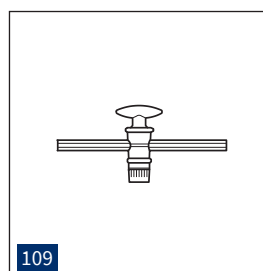
**109 Stopcock • Llave • Robinet**

For burette, PTFE gasket • de teflón para bureta, macho PTFE • pour burette avec téflon

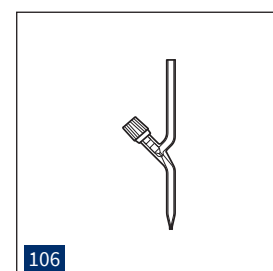
**106 Stopcock • Llave • Robinet**

One-way stopcock, PTFE key • Llave recta, macho PTFE • robinet droite, mâle PTFE

Pag. 102



Pag. 102



**Contact us for other sizes and specifications**

## AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE

## Class AS

## Boro 3.3 Glass

## Batch certificate per each item

- Available with Schellbach stripe for best reading accuracy (add 1 to the end of reference code)
- Graduated to deliver (EX)
- Works certificate available on request
- Available calibration certificate by NORMALAB (ISO 17025 accredited laboratory)
- Available special lubricant for the stopcocks

## Clase AS

## Vidrio boro 3.3

## Certificado de serie por pieza

- Disponible con franja Schellbach para mejor precisión de la lectura (añadir 1 al final del código de referencia)
- Ajustado por vertido (EX)
- Certificado individual a pedido
- Disponible: certificado de calibración por NORMALAB (laboratorio acreditado según la norma ISO 17025)
- Disponible lubricante especial para las llaves de paso

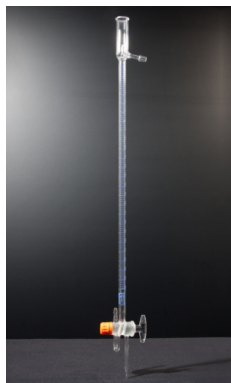
## Classe AS

## Verre boro 3.3

## Batch certificate per each item

- Disponible avec bande Schellbach pour meilleur précision de lecture (ajouter 1 au code de référence)
- Graduées à écouler (EX)
- Certificat individuel sous demande
- Disponible: certificat d'étalonnage emis par NORMALAB (laboratoire accrédité selon la norme ISO 17025)
- Disponible lubrifiant spécial pour les robinets

## AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE



Two-way stopcock, Glass key

Llave de paso dos vías, llave de vidrio

Robinet à deux voies, clé en verre

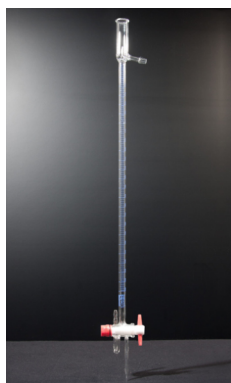
BORO  
3.3

CL. AS

ISO  
385Batch  
Certificate

| Ref.    | Cap. (ml) | Divis. (ml) | Pack Unit |
|---------|-----------|-------------|-----------|
| 3450127 | 10        | 0,05        | 1         |
| 3450133 | 25        | 0,1         | 1         |
| 3450136 | 50        | 0,1         | 1         |
| 3450139 | 100       | 0,2         | 1         |

## AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE



Two-way stopcock, PTFE key

Llave de paso dos vías, llave PTFE

Robinet à deux voies, clé en PTFE

BORO  
3.3

CL. AS

ISO  
385Batch  
Certificate

| Ref.    | Cap. (ml) | Divis. (ml) | Pack Unit |
|---------|-----------|-------------|-----------|
| 3450227 | 10        | 0,05        | 1         |
| 3450233 | 25        | 0,1         | 1         |
| 3450236 | 50        | 0,1         | 1         |
| 3450239 | 100       | 0,2         | 1         |

Contact us for other sizes and specifications

 **NORMAX**

**WATER STILL  
DESTILADOR DE AGUA  
DISTILLATEUR D'EAU**

**CHECK THE SPECIFICATIONS ON PAGE 83**

**CONSULTE LAS ESPECIFICACIONES EN LA PÁGINA 83**

**VÉRIFIEZ LES SPÉCIFICATIONS À LA PAGE 83**

## AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE



According to Dr. Schilling

Modelo Dr. Schilling

Modèle Dr. Schilling

**BORO**  
3.3

**CL. AS**

**ISO**  
385

| Ref.    | Cap. (ml) | Divis. (ml) | Flask cap. (ml) | Pack Unit |
|---------|-----------|-------------|-----------------|-----------|
| 3086922 | 5         | 0,02        | 500             | 1         |
| 3086927 | 10        | 0,05        | 500             | 1         |
| 3086930 | 15        | 0,1         | 500             | 1         |
| 3086933 | 25        | 0,1         | 1000            | 1         |
| 3086936 | 50        | 0,1         | 1000            | 1         |

## AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE



According to Dr. Schilling, amber glass

Modelo Dr. Schilling, vidrio ámbar

Modèle Dr. Schilling, verre ambre

**BORO**  
3.3

**CL. AS**

**ISO**  
385

| Ref.    | Cap. (ml) | Divis. (ml) | Flask cap. (ml) | Pack Unit |
|---------|-----------|-------------|-----------------|-----------|
| 3086822 | 5         | 0,02        | 500             | 1         |
| 3086827 | 10        | 0,05        | 500             | 1         |
| 3086830 | 15        | 0,1         | 500             | 1         |
| 3086833 | 25        | 0,1         | 1000            | 1         |
| 3086836 | 50        | 0,1         | 1000            | 1         |

## AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE



Micro, PTFE Key

Micro, llave PTFE

Micro, clé en PTFE

**BORO**  
3.3

**CL. AS**

**ISO**  
385

**Batch**  
Certificate

| Ref.    | Cap. (ml) | Divis. (ml) | Pack Unit |
|---------|-----------|-------------|-----------|
| 3431711 | 1         | 0,01        | 1         |
| 3431716 | 2         | 0,01        | 1         |
| 3431722 | 5         | 0,02        | 1         |
| 3431727 | 10        | 0,02        | 1         |



**New stopcock available**  
**Nueva llave de paso disponible**  
**Nouveau robinet disponible**

| Ref.    | Cap. (ml) | Divis. (ml) | Pack Unit |
|---------|-----------|-------------|-----------|
| 3431911 | 1         | 0,01        | 1         |
| 3431916 | 2         | 0,01        | 1         |
| 3431922 | 5         | 0,02        | 1         |
| 3431927 | 10        | 0,02        | 1         |

### AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE

Micro, glass key

Micro, llave de vidrio

Micro, clé en verre

**BORO**  
3.3

**CL. AS**

**ISO**  
385

**Batch**  
Certificate



| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Pack Unit |
|---------|-----------|-------------|-------------|-----------|
| 3441822 | 10        | 0,02        | 0,02        | 1         |
| 3441827 | 10        | 0,05        | 0,02        | 1         |
| 3441834 | 25        | 0,05        | 0,03        | 1         |
| 3441833 | 25        | 0,1         | 0,05        | 1         |
| 3441836 | 50        | 0,1         | 0,05        | 1         |

### AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE

Two stopcocks, glass key, white printing and amber glass, without reservoir bottle. With automatic zero point.

Dos llaves de vidrio, impresión blanca y vidrio ámbar, sin frasco. Con punto cero automático.

Deux robinets en verre, impression blanche et verre ambre, sans réservoir bouteille. Avec zéro automatique

**BORO**  
3.3

**CL. AS**

**ISO**  
385

**Batch**  
Certificate



| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Pack Unit |
|---------|-----------|-------------|-------------|-----------|
| 3461822 | 10        | 0,02        | 0,02        | 1         |
| 3461827 | 10        | 0,05        | 0,02        | 1         |
| 3461834 | 25        | 0,05        | 0,03        | 1         |
| 3461833 | 25        | 0,1         | 0,05        | 1         |
| 3461836 | 50        | 0,1         | 0,05        | 1         |

### AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE

Two stopcocks, PTFE key, white printing and amber glass, without reservoir bottle. With automatic zero point.

Dos llaves de paso, llave PTFE, impresión blanca y vidrio ámbar, sin frasco. Con punto cero automático.

Deux robinets, clé en PTFE, impression blanche et verre ambre, sans réservoir bouteille. Avec zéro automatique

**BORO**  
3.3

**CL. AS**

**ISO**  
385

**Batch**  
Certificate



### AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE



Two stopcocks, glass key, blue printing, without reservoir bottle. With automatic zero point.

Dos llaves de vidrio, impresión azul, sin frasco. Con punto cero automático.

Deux robinets en verre, impression bleue, sans réservoir bouteille. Avec zéro automatique

**BORO**  
3.3

**CL. AS**

**ISO**  
385

**Batch**  
Certificate

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Pack Unit |
|---------|-----------|-------------|-------------|-----------|
| 3431822 | 10        | 0,02        | 0,02        | 1         |
| 3431827 | 10        | 0,05        | 0,02        | 1         |
| 3431834 | 25        | 0,05        | 0,03        | 1         |
| 3431833 | 25        | 0,1         | 0,05        | 1         |
| 3431836 | 50        | 0,1         | 0,05        | 1         |

### AUTOMATIC BURETTE • BURETA AUTOMÁTICA • BURETTE AUTOMATIQUE



Two stopcocks, PTFE Key, blue printing, without reservoir bottle. With automatic zero point.

Dos llaves PTFE, impresión azul, sin frasco. Con punto cero automático.

Deux robinets, clé en PTFE, impression bleue, sans réservoir bouteille. Avec zéro automatique

**BORO**  
3.3

**CL. AS**

**ISO**  
385

**Batch**  
Certificate

| Ref.    | Cap. (ml) | Divis. (ml) | Tol. ± (ml) | Pack Unit |
|---------|-----------|-------------|-------------|-----------|
| 3451822 | 10        | 0,02        | 0,02        | 1         |
| 3451827 | 10        | 0,05        | 0,02        | 1         |
| 3451834 | 25        | 0,05        | 0,03        | 1         |
| 3451833 | 25        | 0,1         | 0,05        | 1         |
| 3451836 | 50        | 0,1         | 0,05        | 1         |

### RESERVOIR BOTTLE FOR BURETTE • BOTELLA DE RESERVA PARA BURETA • BOUTEILLE DE RÉSERVOIR POUR BURETTE



| Ref.     | Glass                              | Cap. (ml) | Pack Unit |
|----------|------------------------------------|-----------|-----------|
| 4043463N | Amber • Ámbar • Ambre              | 2000      | 1         |
| 4043363N | Clear • Transparente • Transparent | 2000      | 1         |

**SODA**



**GENERAL GLASSWARE  
VIDRIO GENERAL  
VERRERIE GÉNÉRALE**

**02**

## DESICCATOR • DESECADOR • DESSICATEUR



For vacuum, with stopcock,  
sealing ring

Para vacío, con llave, anillo de  
sellado

Pour vide, avec robinet, bague  
d'étanchéité

SODA

| Ref.      | Cap. (L) ≈ | Size Ø (mm) | Height (mm) | Feature Característica Caracteristique                  | Plate Ø (mm) | Pack unit |
|-----------|------------|-------------|-------------|---|--------------|-----------|
| 4906019W  | 1,5        | 150         | 215         | Without plate Sin placa Sans plaque                     | -            | 1         |
| 4906031W  | 6          | 250         | 275         |   | -            | 1         |
| 49060191W | 1,5        | 150         | 215         | Porcelain plate Placa de porcelana Plaque de porcelaine | 145          | 1         |
| 49060311W | 6          | 250         | 275         |   | 240          | 1         |
| 49060192W | 1,5        | 150         | 215         | Metal plate Placa de metal Plaque de metal              | 145          | 1         |
| 49060312W | 6          | 250         | 275         |   | 240          | 1         |

## DESICCATOR • DESECADOR • DESSICATEUR



For vacuum, with stopcock

Para vacío, con llave

Pour vide, avec robinet

SODA

| Ref.     | Cap. (L) ≈ | Size Ø (mm) | Height (mm) | Feature Característica Caracteristique                  | Plate Ø (mm) | Pack unit |
|----------|------------|-------------|-------------|---|--------------|-----------|
| 4906019  | 1,5        | 150         | 215         |   | -            | 1         |
| 4906024  | 4          | 200         | 240         | Without plate Sin placa Sans plaque                     | -            | 1         |
| 4906031  | 6          | 250         | 275         |   | -            | 1         |
| 4906034  | 10         | 300         | 405         |   | -            | 1         |
| 49060191 | 1,5        | 150         | 215         | Porcelain plate Placa de porcelana Plaque de porcelaine | 145          | 1         |
| 49060241 | 4          | 200         | 240         |   | 190          | 1         |
| 49060311 | 6          | 250         | 275         |   | 240          | 1         |
| 49060341 | 10         | 300         | 405         |   | 280          | 1         |
| 49060192 | 1,5        | 150         | 215         | Metal plate Placa de metal Plaque de metal              | 145          | 1         |
| 49060242 | 4          | 200         | 240         |   | 190          | 1         |
| 49060312 | 6          | 250         | 295         |   | 240          | 1         |
| 49060342 | 10         | 300         | 405         |   | 280          | 1         |

## DESICCATOR • DESECADOR • DESSICATEUR



Without stopcock

Con tapa botón

À bouton

SODA

| Ref.     | Cap. (L) ≈ | Size Ø (mm) | Height (mm) | Feature Característica Caracteristique                  | Plate Ø (mm) | Pack unit |
|----------|------------|-------------|-------------|---|--------------|-----------|
| 4906119  | 1,5        | 150         | 215         |   | -            | 1         |
| 4906124  | 4          | 200         | 240         | Without plate Sin placa Sans plaque                     | -            | 1         |
| 4906131  | 6          | 250         | 275         |   | -            | 1         |
| 4906134  | 10         | 300         | 405         |   | -            | 1         |
| 49061191 | 1,5        | 150         | 215         | Porcelain plate Placa de porcelana Plaque de porcelaine | 145          | 1         |
| 49061241 | 4          | 200         | 240         |   | 190          | 1         |
| 49061311 | 6          | 250         | 275         |   | 240          | 1         |
| 49061341 | 10         | 300         | 405         |   | 280          | 1         |
| 49061192 | 1,5        | 150         | 215         | Metal plate Placa de metal Plaque de metal              | 145          | 1         |
| 49061242 | 4          | 200         | 240         |   | 190          | 1         |
| 49061312 | 6          | 250         | 295         |   | 240          | 1         |
| 49061342 | 10         | 300         | 405         |   | 280          | 1         |

## DESICCATOR • DESECADOR • DESSICATEUR



With rotating sleeve

Con oliva

Avec vanne rotative

SODA

| Ref.     | Cap. (L) ≈ | Size Ø (mm) | Height (mm) | Feature Característica Caracteristique                  | Plate Ø (mm) | Pack unit |
|----------|------------|-------------|-------------|---|--------------|-----------|
| 4906519  | 1,5        | 150         | 215         |   | -            | 1         |
| 4906524  | 4          | 200         | 240         | Without plate Sin placa Sans plaque                     | -            | 1         |
| 4906531  | 6          | 250         | 275         |   | -            | 1         |
| 4906534  | 10         | 300         | 405         |   | -            | 1         |
| 49065191 | 1,5        | 150         | 215         | Porcelain plate Placa de porcelana Plaque de porcelaine | 145          | 1         |
| 49065241 | 4          | 200         | 240         |   | 190          | 1         |
| 49065311 | 6          | 250         | 275         |   | 240          | 1         |
| 49065341 | 10         | 300         | 405         |   | 280          | 1         |
| 49065192 | 1,5        | 150         | 215         | Metal plate Placa de metal Plaque de metal              | 145          | 1         |
| 49065242 | 4          | 200         | 240         |   | 190          | 1         |
| 49065312 | 6          | 250         | 295         |   | 240          | 1         |
| 49065342 | 10         | 300         | 405         |   | 280          | 1         |

## DESICCATOR DESECADOR DESSICATEUR

**NORMAX DESICCATORS** are available in the following range of models (with stopcock, without stopcock, with rotating sleeve valve, with sealing ring) and sizes (150, 200, 250 and 300 mm).

All the components are available as spare parts, if necessary.

For vacuum purposes, the lid and the bottom grinded areas must be kept clean and lubricated. Normax desiccators are marked with Normax brand to ensure authenticity.

Los **DESECADORES NORMAX** están disponibles en la siguiente gama de modelos (con llave de paso, sin llave de paso y con oliva, con anillo de sellado) y tamaños (150, 200, 250 y 300 mm).

Todos los componentes están disponibles como repuestos, si es necesario.

Para el uso en vacío, las superficies esmeriladas de la tapa y del fondo de los desecadores deben mantenerse siempre limpias y lubricadas. Los desecadores NORMAX están marcados con la marca Normax para garantizar la autenticidad.

Les **DESSICATEURS NORMAX** sont disponibles dans la gamme de modèles suivante (avec robinet d'arrêt, sans robinet d'arrêt et avec robinet à manchon rotatif, bague d'étanchéité) et dans les dimensions (150, 200, 250 et 300 mm).

Tous les composants sont disponibles en tant que pièces de rechange, si nécessaire.

Pour l'utilisation en vide, il faut maintenir les surfaces émeris du couvercle et du fond toujours propres et lubrifiées. Les dessiccateurs NORMAX sont marqués avec la marque Normax pour garantir leur authenticité.

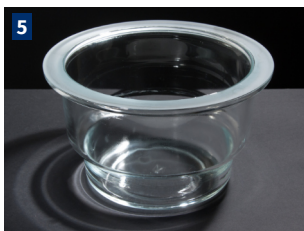
[INSTRUCTIONS MANUAL](#)

[MANUAL DE INSTRUCCIONES](#)

[MANUEL D'INSTRUCTIONS](#)



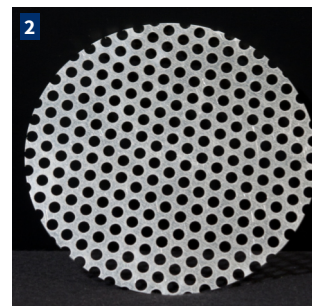
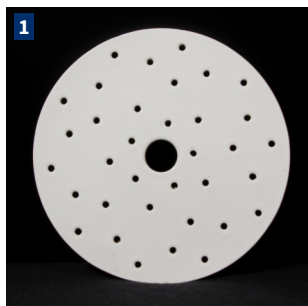
## DESICCATOR COMPONENTS • COMPONENTES DE DESECADOR • COMPOSANTS D'DESSICATEUR



SODA

| Ref.     | Size Ø (mm) | Feature<br>Característica<br>Caractéristique                                     | Pack unit |
|----------|-------------|--|-----------|
| 4906219  | 150         | 1<br>Lid without stopcock<br>Tapa sin llave<br>Couverture sans robinet           | 1         |
| 4906224  | 200         |  | 1         |
| 4906231  | 250         |  | 1         |
| 4906234  | 300         |  | 1         |
| 4906619  | 150         | 2<br>Lid with rotating sleeve<br>Tapa con luva<br>Couverture avec vanne rotative | 1         |
| 4906624  | 200         |  | 1         |
| 4906631  | 250         |  | 1         |
| 4906634  | 300         |  | 1         |
| 4906319  | 150         | 3<br>Lid with stopcock<br>Tapa con llave<br>Couverture avec robinet              | 1         |
| 4906324  | 200         |  | 1         |
| 4906331  | 250         |  | 1         |
| 4906334  | 300         |  | 1         |
| 9065021  | NS 14       | 4<br>Stopcock<br>Llave<br>Robinet  | 1         |
| 4907119  | 150         | 5<br>Jar<br>Fondo<br>Fond  | 1         |
| 4907124  | 200         |  | 1         |
| 4907131  | 250         |  | 1         |
| 4907134  | 300         |  | 1         |
| 4907119W | 150         | - Jar for sealing ring   | 1         |
| 4907131W | 250         | -  | 1         |
| 4910150W | 150         | -  | 1         |
| 4910250W | 250         | - Black sealing ring   | 1         |

## DESICCATOR PLATE • PLACA DE DESECADOR • PLAQUE D'DESSICATEUR

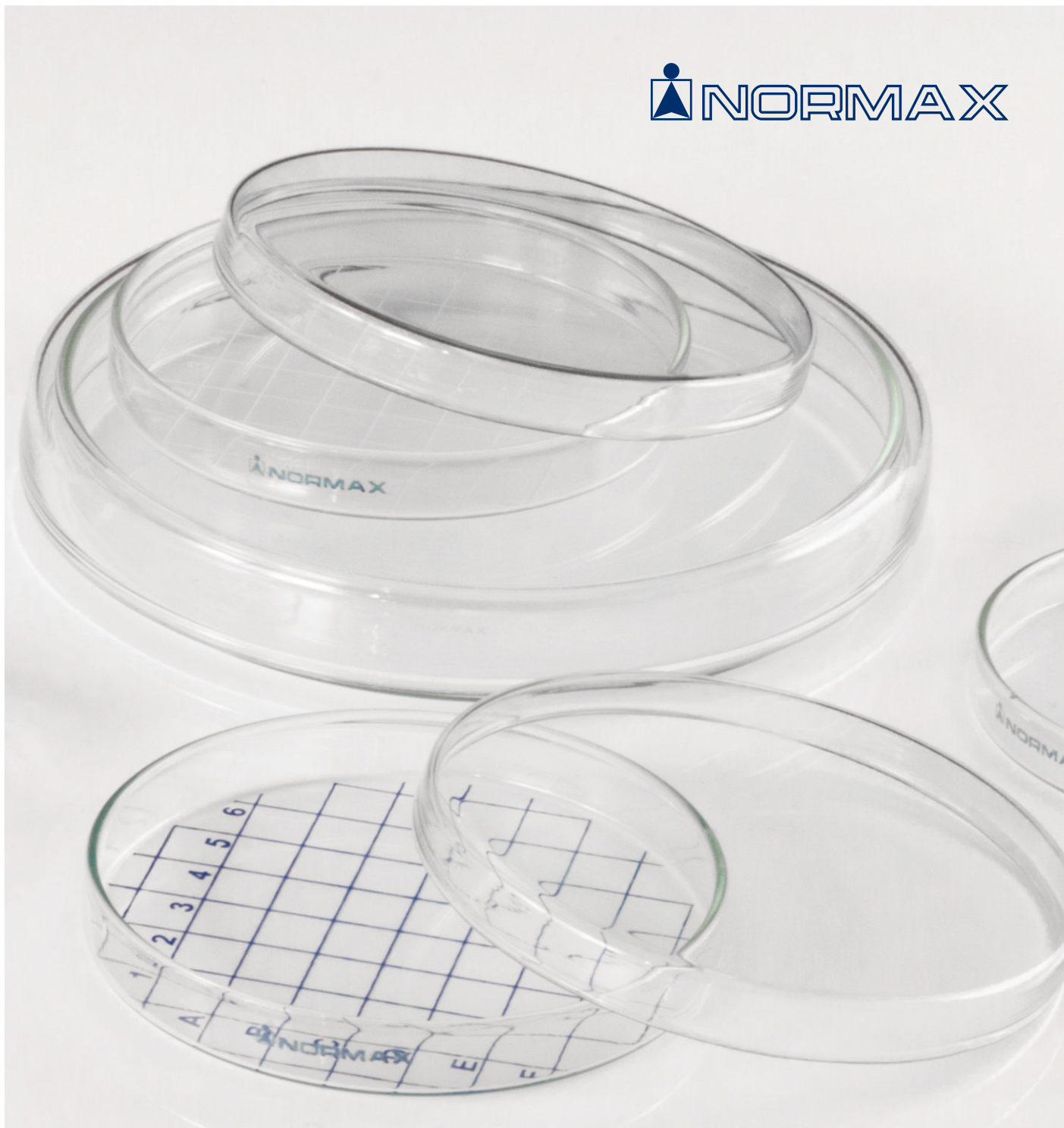


| Ref.    | Plate Ø (mm) | Feature<br>Característica<br>Caractéristique | Pack unit |
|---------|--------------|--|-----------|
| 4906402 | 145          | 1<br>porcelain<br>porcelana<br>porcelaine    | 1         |
| 4906404 | 190          |  | 1         |
| 4906405 | 240          |  | 1         |
| 4906406 | 280          |  | 1         |
| 4906502 | 145          | 2<br>metal                                   | 1         |
| 4906504 | 190          |  | 1         |
| 4906505 | 240          |  | 1         |
| 4906506 | 280          |  | 1         |

## DESICCATOR ACCESSORIES • ACCESORIOS PARA DESECADOR • ACCESSOIRES POUR DESSICATEUR



| Ref.      | Feature • Característica • Caractéristique  |
|-----------|---|
| 719270    | 1<br>Protection glove<br>Guante de protección<br>Gant de protection                 |
| LG9116950 | -<br>Joint grease<br>Grasa para juntas<br>Graisse pour joints                       |
| 8GE0043V  | -<br>Orange Silica Gel 1kg<br>Gel de silice naranja 1kg<br>Gel de silice orange 1kg |
| 8GE0043W  | -<br>Orange Silica Gel 5kg<br>Gel de silice naranja 5kg<br>Gel de silice orange 5kg |



**PETRI DISH**  
**PLACA DE PETRI**  
**BÔITE DE PETRI**

**ISO Standards**

Compliant with ISO 13132

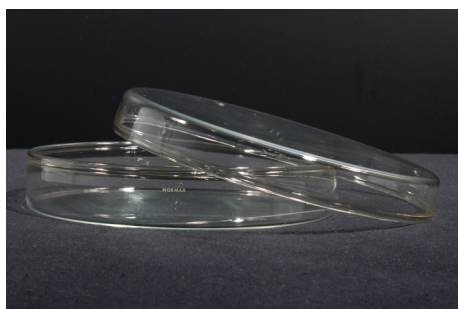
**High Resistance**

Both thermal and mechanical

**Perfect Flatness**

Provides maximum accuracy

## PETRI DISH • PLACA DE PETRI • BÔITE DE PETRI



SODA

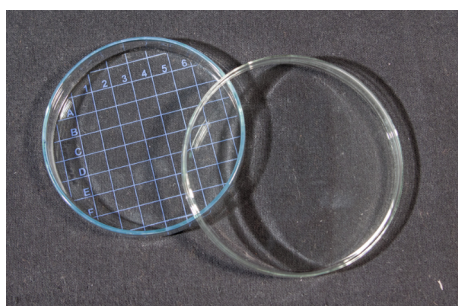
| Ref.    | Height x Out. Ø (mm) | Pack unit |
|---------|----------------------|-----------|
| 5058501 | 12x40                | 40        |
| 5058541 | 15x60                | 30        |
| 5058543 | 15x80                | 24        |
| 5058546 | 15x90                | 36        |
| 5058544 | 10x100               | 36        |
| 5058545 | 15x100               | 36        |
| 5058548 | 20x100               | 36        |
| 5058550 | 20x120               | 72        |
| 5058558 | 25x150               | 36        |
| 5058559 | 30x180               | 6         |
| 5058560 | 30x200               | 6         |
| 5058561 | 50x200               | 6         |

## PETRI DISH • PLACA DE PETRI • BÔITE DE PETRI

BORO  
3.3AUTOCLAVABLE  
121°C

| Ref.    | Height x Out. Ø (mm) | Pack unit |
|---------|----------------------|-----------|
| 5058641 | 15x60                | 28        |
| 5058643 | 15x80                | 36        |
| 5058646 | 15x90                | 36        |
| 5058645 | 15x100               | 36        |
| 5058648 | 20x100               | 30        |
| 5058650 | 20x120               | 68        |
| 5058658 | 25x150               | 34        |
| 5058659 | 30x180               | 6         |
| 5058660 | 30x200               | 5         |
| 5058661 | 50x200               | 5         |

## PETRI DISH • PLACA DE PETRI • BÔITE DE PETRI



Blue grid

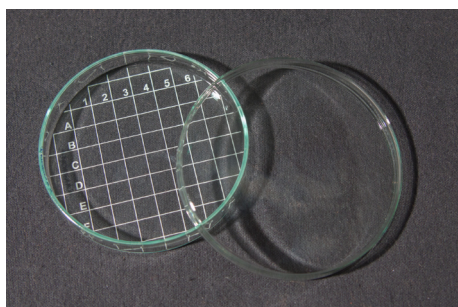
Cuadrícula azul

Fond Quadrillé bleue

SODA

| Ref.     | Height x Out. Ø (mm) | Pack unit |
|----------|----------------------|-----------|
| 50585012 | 12x40                | 40        |
| 50585412 | 15x60                | 30        |
| 50585432 | 15x80                | 36        |
| 50585462 | 15x90                | 32        |
| 50585442 | 10x100               | 36        |
| 50585452 | 15x100               | 36        |
| 50585482 | 20x100               | 36        |
| 50585502 | 20x120               | 72        |
| 50585582 | 25x150               | 36        |
| 50585592 | 30x180               | 6         |
| 50585602 | 30x200               | 6         |
| 50585612 | 50x200               | 6         |

## PETRI DISH • PLACA DE PETRI • BÔITE DE PETRI



White grid

Cuadrícula blanca

Fond Quadrillé blanche

SODA

| Ref.     | Height x Out. Ø (mm) | Pack unit |
|----------|----------------------|-----------|
| 50585011 | 12x40                | 40        |
| 50585411 | 15x60                | 30        |
| 50585431 | 15x80                | 36        |
| 50585461 | 15x90                | 32        |
| 50585441 | 10x100               | 36        |
| 50585451 | 15x100               | 36        |
| 50585481 | 20x100               | 36        |
| 50585501 | 20x120               | 72        |
| 50585581 | 25x150               | 36        |
| 50585591 | 30x180               | 6         |
| 50585601 | 30x200               | 6         |
| 50585611 | 50x200               | 6         |

| Ref. SODA | Ref. BORO 3.3 | Outside. Ø (mm) | Pack unit |
|-----------|---------------|-----------------|-----------|
| 4132124   | 4142124*      | 40              | 10        |
| 4132132   | 4142132*      | 50              | 10        |
| 4132134   | 4142134*      | 60              | 10        |
| 4132136   | 4142136*      | 70              | 10        |
| 4132141   | 4142141*      | 80              | 10        |
| 4132144   | 4142144*      | 90              | 10        |
| 4132146   | 4142146*      | 100             | 10        |
| 4132150   | 4142150*      | 120             | 10        |
| 4132152   | 4142152*      | 125             | 10        |
| 4132157   | 4142157*      | 150             | 10        |
| 4132161   | 4142161*      | 200             | 10        |
| 4132166   | 4142166*      | 250             | 10        |

\*On request • A pedido • Sous demande

## WATCH GLASS • VIDRIO DE RELOJ • VERRE DE MONTRE

Glazed rims

Bordes requemados

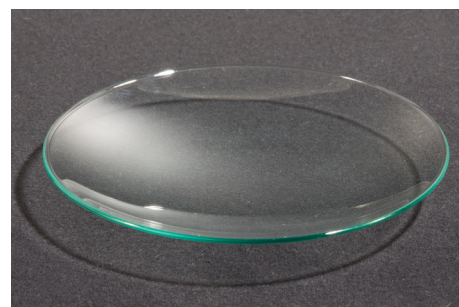
Bords rebrûlés

BORO  
3.3

SODA

DIN  
12341

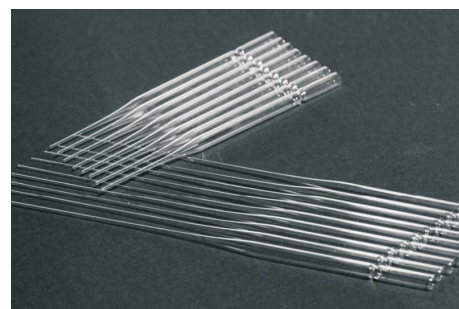
AUTOCLAVABLE  
121°C



| Ref.     | Outside. Ø (mm) | Length (mm) | Tip     | Pack unit |
|----------|-----------------|-------------|---------|-----------|
| 5426015  | 6,5-8           | 145-150     | open    | 250x8     |
| 5426023  | 6,5-8           | 225-230     | abierta | 250x8     |
| 5426027  | 6,5-8           | 270         | ouverte | 1000      |
| 5426015F | 6,5-8           | 145-150     | closed  | 250x8     |
| 5426023F | 6,5-8           | 225-230     | cerrada | 250x8     |
| 5426027F | 6,5-8           | 270         | fermée  | 1000      |

## PASTEUR PIPETTE • PIPETA PASTEUR • PIPETTE PASTEUR

SODA



| Ref.      | Outside. Ø (mm) | Length (mm) | Tip     | Pack unit |
|-----------|-----------------|-------------|---------|-----------|
| 5426015C  | 6,5-8           | 145-150     | open    | 250x8     |
| 5426023C  | 6,5-8           | 225-230     | abierta | 250x8     |
| 5426027C  | 6,5-8           | 270         | ouverte | 1000      |
| 5426015CC | 6,5-8           | 145-150     | closed  | 250x8     |
| 5426023CC | 6,5-8           | 225-230     | cerrada | 250x8     |
| 5426027CC | 6,5-8           | 270         | fermée  | 1000      |

## PASTEUR PIPETTE • PIPETA PASTEUR • PIPETTE PASTEUR

Cotton plugged

Con algodón

Avec cotonnée

SODA



**Available:** Customized packing - OEM

**Disponível:** Envase personalizado - OEM

**Disponible:** Emballage personnalisé - OEM

## SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER



Pear shape, glass key, plastic stopper

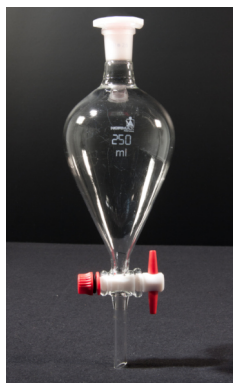
Forma de pera, llave de vidrio, tapón plástico

Forme de poire, clé de verre, bouchon plastique

**BORO**  
3.3

| Ref.  | Cap. (ml) | NS    | Bore | Pack unit |
|-------|-----------|-------|------|-----------|
| 44701 | 25        | 14/23 | 2,5  | 1         |
| 44712 | 25        | 19/26 | 2,5  | 1         |
| 44702 | 50        | 14/23 | 2,5  | 1         |
| 44703 | 50        | 19/26 | 2,5  | 1         |
| 44704 | 100       | 14/23 | 2,5  | 1         |
| 44705 | 100       | 19/26 | 2,5  | 1         |
| 44707 | 250       | 19/26 | 4    | 1         |
| 44713 | 250       | 29/32 | 4    | 1         |
| 44708 | 500       | 19/26 | 4    | 1         |
| 44714 | 500       | 29/32 | 4    | 1         |
| 44709 | 1000      | 29/32 | 6    | 1         |
| 44711 | 2000      | 29/32 | 6    | 1         |

## SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER



Pear shape, PTFE key, plastic stopper

Forma de pera, llave PTFE, tapón plástico

Forme de poire, clé de PTFE, bouchon plastique

**BORO**  
3.3

| Ref.  | Cap. (ml) | NS    | Bore | Pack unit |
|-------|-----------|-------|------|-----------|
| 44901 | 25        | 14/23 | 2,5  | 1         |
| 44912 | 25        | 19/26 | 2,5  | 1         |
| 44902 | 50        | 14/23 | 2,5  | 1         |
| 44903 | 50        | 19/26 | 2,5  | 1         |
| 44904 | 100       | 14/23 | 2,5  | 1         |
| 44905 | 100       | 19/26 | 2,5  | 1         |
| 44907 | 250       | 19/26 | 4    | 1         |
| 44913 | 250       | 29/32 | 4    | 1         |
| 44908 | 500       | 19/26 | 4    | 1         |
| 44914 | 500       | 29/32 | 4    | 1         |
| 44909 | 1000      | 29/32 | 6    | 1         |
| 44911 | 2000      | 29/32 | 6    | 1         |

## SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER



Pear shape, PTFE needle-valve, plastic stopper

Forma de pera, llave de punzón PTFE, tapón plástico

Forme de poire, valve en PTFE, bouchon plastique

**BORO**  
3.3

| Ref.  | Cap. (ml) | NS    | Bore | Pack unit |
|-------|-----------|-------|------|-----------|
| 45002 | 50        | 14/23 | 2,5  | 1         |
| 45003 | 50        | 19/26 | 2,5  | 1         |
| 45004 | 100       | 14/23 | 2,5  | 1         |
| 45005 | 100       | 19/26 | 2,5  | 1         |
| 45007 | 250       | 19/26 | 4    | 1         |
| 45013 | 250       | 29/32 | 4    | 1         |
| 45008 | 500       | 19/26 | 4    | 1         |
| 45014 | 500       | 29/32 | 4    | 1         |
| 45009 | 1000      | 29/32 | 6    | 1         |
| 45011 | 2000      | 29/32 | 6    | 1         |

| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 43701 | 50        | 19/26 | 1         |
| 43702 | 100       | 19/26 | 1         |
| 43703 | 250       | 19/26 | 1         |
| 43704 | 500       | 19/26 | 1         |
| 43705 | 500       | 24/29 | 1         |
| 43706 | 1000      | 19/26 | 1         |
| 43707 | 1000      | 29/32 | 1         |

### SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER

Spherical shape, glass key, plastic stopper.  
Available with PTFE Key

Forma esférica, llave de vidrio, tapón plástico.  
Disponible con llave PTFE

Forme sphérique, clé de verre, bouchon plastique.  
Disponible avec clé en PTFE

**BORO**  
3.3



| Ref.    | Cap. (ml) | NS    | Key   | Pack unit |
|---------|-----------|-------|-------|-----------|
| 9065069 | 50        | 19/26 | PTFE  | 1         |
| 9065031 | 100       | 19/26 | Glass | 1         |
| 9065033 | 100       | 19/26 | PTFE  | 1         |
| 9065076 | 250       | 29/32 | PTFE  | 1         |
| 9065075 | 250       | 29/32 | Glass | 1         |
| 9065179 | 500       | 29/32 | PTFE  | 1         |

### SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER

Spherical shape(Gilson type), plastic stopper

Forma esférica (Gilson), tapón plástico

Forme sphérique (Gilson), bouchon plastique

**BORO**  
3.3



| Ref.  | Cap. (ml) | NS    | Bore | Pack unit |
|-------|-----------|-------|------|-----------|
| 44107 | 25        | 14/23 | 2,5  | 1         |
| 44114 | 25        | 19/26 | 2,5  | 1         |
| 44101 | 50        | 14/23 | 2,5  | 1         |
| 44108 | 50        | 19/26 | 2,5  | 1         |
| 44102 | 100       | 14/23 | 2,5  | 1         |
| 44103 | 100       | 19/26 | 2,5  | 1         |
| 44110 | 250       | 19/26 | 4    | 1         |
| 44104 | 250       | 29/32 | 4    | 1         |
| 44111 | 500       | 19/26 | 4    | 1         |
| 44105 | 500       | 29/32 | 4    | 1         |
| 44112 | 1000      | 24/29 | 6    | 1         |
| 44106 | 1000      | 29/32 | 6    | 1         |
| 44113 | 2000      | 29/32 | 6    | 1         |

### SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER

Conical shape, glass key, plastic stopper

Forma cónica, llave de vidrio, tapón plástico

Forme conique, clé en verre, bouchon plastique

**BORO**  
3.3



## SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER



Conical shape, PTFE key, plastic stopper

Forma cónica, llave PTFE, tapón plástico

Forme conique, clé en PTFE, bouchon plastique

**BORO**  
3.3

| Ref.  | Cap. (ml) | NS    | Bore | Pack unit |
|-------|-----------|-------|------|-----------|
| 44807 | 25        | 14/23 | 2,5  | 1         |
| 44814 | 25        | 19/26 | 2,5  | 1         |
| 44801 | 50        | 14/23 | 2,5  | 1         |
| 44808 | 50        | 19/26 | 2,5  | 1         |
| 44802 | 100       | 14/23 | 2,5  | 1         |
| 44803 | 100       | 19/26 | 2,5  | 1         |
| 44810 | 250       | 19/26 | 4    | 1         |
| 44804 | 250       | 29/32 | 4    | 1         |
| 44811 | 500       | 19/26 | 4    | 1         |
| 44805 | 500       | 29/32 | 4    | 1         |
| 44812 | 1000      | 24/29 | 6    | 1         |
| 44806 | 1000      | 29/32 | 6    | 1         |
| 44813 | 2000      | 29/32 | 6    | 1         |

## SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER



Conical shape, PTFE needle-valve, plastic stopper

Forma cónica, llave de punzón PTFE, tapón plástico

Forme conique, valve en PTFE, bouchon plastique

**BORO**  
3.3

| Ref.  | Cap. (ml) | NS    | Bore | Pack unit |
|-------|-----------|-------|------|-----------|
| 45101 | 50        | 14/23 | 2,5  | 1         |
| 45108 | 50        | 19/26 | 2,5  | 1         |
| 45102 | 100       | 14/23 | 2,5  | 1         |
| 45103 | 100       | 19/26 | 2,5  | 1         |
| 45110 | 250       | 19/26 | 4    | 1         |
| 45104 | 250       | 29/32 | 4    | 1         |
| 45111 | 500       | 19/26 | 4    | 1         |
| 45105 | 500       | 29/32 | 4    | 1         |
| 45112 | 1000      | 24/29 | 6    | 1         |
| 45106 | 1000      | 29/32 | 6    | 1         |
| 45113 | 2000      | 29/32 | 6    | 1         |

## SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER



Cylindrical shape, glass key, plastic stopper

*Available with PTFE key*

Forma cilíndrica, llave de vidrio, tapón plástico

*Disponible con llave PTFE*

Forme cylindrique, clé en verre, bouchon plastique.

*Disponible avec clé en PTFE*

**BORO**  
3.3

| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 43401 | 25        | 14/23 | 1         |
| 43402 | 50        | 14/23 | 1         |
| 43407 | 50        | 19/26 | 1         |
| 43408 | 100       | 14/23 | 1         |
| 43403 | 100       | 19/26 | 1         |
| 43404 | 250       | 19/26 | 1         |
| 43409 | 250       | 29/32 | 1         |
| 43410 | 500       | 24/29 | 1         |
| 43411 | 500       | 29/32 | 1         |
| 43412 | 1000      | 24/29 | 1         |
| 43413 | 1000      | 29/32 | 1         |
| 43414 | 2000      | 29/32 | 1         |

| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 43415 | 25        | 14/23 | 1         |
| 43416 | 50        | 14/23 | 1         |
| 43417 | 50        | 19/26 | 1         |
| 43418 | 100       | 14/23 | 1         |
| 43419 | 100       | 19/26 | 1         |
| 43420 | 250       | 19/26 | 1         |
| 43421 | 250       | 29/32 | 1         |
| 43422 | 500       | 24/29 | 1         |
| 43423 | 500       | 29/32 | 1         |
| 43424 | 1000      | 24/29 | 1         |
| 43425 | 1000      | 29/32 | 1         |
| 43426 | 2000      | 29/32 | 1         |

### SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER

Cylindrical shape, graduated, glass key, plastic stopper.  
Available with PTFE key

Forma cilíndrica, graduado, llave de vidrio, tapón plástico. *Disponible con llave PTFE*

Forme cylindrique, graduée, clé en verre, bouchon plastique. *Disponible avec clé en PTFE*

**BORO**  
3.3



| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 43316 | 50        | 14/23 | 1         |
| 43318 | 100       | 14/23 | 1         |
| 43319 | 100       | 19/26 | 1         |
| 43327 | 250       | 24/29 | 1         |
| 43321 | 250       | 29/32 | 1         |
| 43322 | 500       | 24/29 | 1         |
| 43323 | 500       | 29/32 | 1         |
| 43325 | 1000      | 29/32 | 1         |

### SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER

Cylindrical shape, graduated, glass key, plastic stopper, standard ground joint.  
Available with PTFE key

Forma cilíndrica, graduado, llave de vidrio, tapón plástico, esmerilado.  
*Disponible con llave PTFE*

Forme cylindrique, graduée, clé en verre, bouchon plastique, avec rodage.  
*Disponible avec clé en PTFE*

**BORO**  
3.3



| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 43302 | 50        | 14/23 | 1         |
| 43308 | 100       | 14/23 | 1         |
| 43303 | 100       | 19/26 | 1         |
| 43305 | 250       | 24/29 | 1         |
| 43309 | 250       | 29/32 | 1         |
| 43310 | 500       | 24/29 | 1         |
| 43311 | 500       | 29/32 | 1         |
| 43313 | 1000      | 29/32 | 1         |

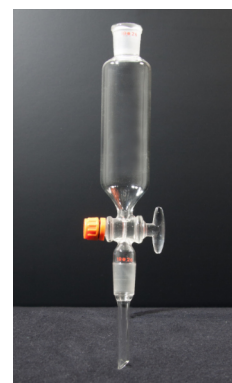
### SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER

Cylindrical shape, standard ground joint, glass key, plastic stopper. *Available with PTFE key*

Forma cilíndrica, esmerilado, llave de vidrio, tapón plástico. *Disponible con llave PTFE*

Forme cylindrique, avec rodage, clé en verre, bouchon plastique. *Disponible avec clé en PTFE*

**BORO**  
3.3



## SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER



Cylindrical shape, glass key, plastic stopper. Pressure equalisation tube.  
*Available with PTFE key*

Forma cilíndrica, llave de vidrio, tapón plástico. Tubo compensador de presión.  
*Disponible con llave PTFE*

Forme cylindrique, clé en verre, bouchon plastique. Tube d'équilibrage.  
*Disponible avec clé en PTFE*

**BORO**  
**3.3**

| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 46002 | 50        | 14/23 | 1         |
| 46008 | 100       | 14/23 | 1         |
| 46003 | 100       | 19/26 | 1         |
| 46005 | 250       | 24/29 | 1         |
| 46009 | 250       | 29/32 | 1         |
| 46010 | 500       | 24/29 | 1         |
| 46011 | 500       | 29/32 | 1         |

## SEPARATING FUNNEL • EMBUDO DE DECANTACIÓN • AMPOULE À DÉCANTER



Cylindrical shape, glass key, plastic stopper. Graduated. Pressure equalisation tube.  
*Available with PTFE key*

Forma cilíndrica, llave de vidrio, tapón plástico. Graduado. Tubo compensador de presión.  
*Disponible con llave PTFE*

Forme cylindrique, clé en verre, bouchon plastique. Graduée. Tube d'équilibrage.  
*Disponible avec clé en PTFE*

**BORO**  
**3.3**

| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 46016 | 50        | 14/23 | 1         |
| 46018 | 100       | 14/23 | 1         |
| 46019 | 100       | 19/26 | 1         |
| 46027 | 250       | 24/29 | 1         |
| 46021 | 250       | 29/32 | 1         |
| 46022 | 500       | 24/29 | 1         |
| 46023 | 500       | 29/32 | 1         |

## DROPPING FUNNEL • EMBUDO DE CARGA • ENTONNOIR CYLINDRIQUE



Cylindrical shape, glass key.  
*Available with PTFE key*

Forma cilíndrica, llave de vidrio.  
*Disponible con llave PTFE*

Forme cylindrique, clé en verre.  
*Disponible avec clé en PTFE*

**BORO**  
**3.3**

| Ref.    | Cap. (ml) | Pack unit |
|---------|-----------|-----------|
| 43201   | 30        | 1         |
| 9065040 | 50        | 1         |
| 43202   | 60        | 1         |
| 43203   | 125       | 1         |
| 43204   | 250       | 1         |
| 43210   | 500       | 1         |
| 43213   | 1000      | 1         |
| 43214   | 2000      | 1         |

| Ref.     | Cap. (ml) | Pack unit |
|----------|-----------|-----------|
| 2111614N | 25        | 10        |
| 2111617N | 50        | 10        |
| 2111624N | 100       | 10        |
| 2111629N | 150       | 10        |
| 2111636N | 250       | 10        |
| 2111641N | 400       | 10        |
| 2111648N | 600       | 10        |
| 2111653N | 800       | 10        |
| 2111654N | 1000      | 10        |
| 2111663N | 2000      | 10        |
| 2111668N | 3000      | 1         |

**BEAKER • VASO • BÉCHER**

Tall form, with spout and scale.  
*Available with double scale*

Forma alta, con pico y escala.  
*Disponible con doble escala*

Forme haute, avec bec verseur et échelle.  
*Disponible avec double échelle*

**BORO**  
**3.3**

**ISO**  
**3819**



| Ref.     | Cap. (ml) | Pack unit |
|----------|-----------|-----------|
| 2110107N | 5         | 10        |
| 2110108N | 10        | 10        |
| 2110614N | 25        | 10        |
| 2110617N | 50        | 10        |
| 2110624N | 100       | 10        |
| 2110629N | 150       | 10        |
| 2110636N | 250       | 10        |
| 2110641N | 400       | 10        |
| 2110648N | 600       | 10        |
| 2110653N | 800       | 10        |
| 2110654N | 1000      | 10        |
| 2110663N | 2000      | 1         |
| 2110668N | 3000      | 1         |
| 2110673N | 5000      | 1         |
| 2110686N | 10000     | 1         |

**BEAKER • VASO • BÉCHER**

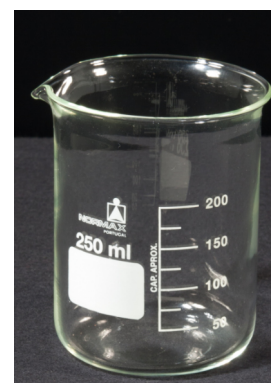
Low form, with spout and scale.  
*Available with double scale*

Forma baja, con pico y escala.  
*Disponible con doble escala*

Forme basse, avec bec verseur et échelle.  
*Disponible avec double échelle*

**BORO**  
**3.3**

**ISO**  
**3819**



| Ref.    | Cap. (ml) | Pack unit |
|---------|-----------|-----------|
| 4010114 | 25        | 1         |
| 4010117 | 50        | 1         |
| 4010120 | 60        | 1         |
| 4010124 | 100       | 1         |
| 4010121 | 125       | 1         |
| 4010136 | 250       | 1         |
| 4010144 | 500       | 1         |

**BEAKER • VASO • BÉCHER**

Conical pressed measuring flask, raised scale

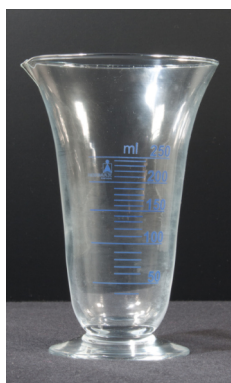
Copa cónica, escala moldada

Verre à expérience, échelle élevé

**SODA**



## BEAKER • VASO • BÉCHER



Bell shape measuring flask, blue scale

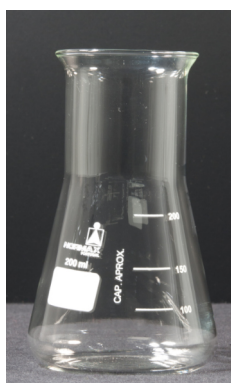
Copa cónica (tipo campana), escala azul

Verre à expérience, échelle bleue

**SODA**

| Ref.    | Cap. (ml) | Pack unit |
|---------|-----------|-----------|
| 4011114 | 25        | 1         |
| 4011117 | 50        | 1         |
| 4011124 | 100       | 1         |
| 4011121 | 125       | 1         |
| 4011136 | 250       | 1         |
| 4011144 | 500       | 1         |
| 4011154 | 1000      | 1         |
| 4011163 | 2000      | 1         |

## ERLENMEYER FLASK • MATRAZ ERLENMEYER • FIOLE ERLENMEYER



Wide neck, with scale

Cuello ancho, con escala

Col large, avec échelle

**BORO  
3.3**

| Ref.     | Cap. (ml) | Pack unit |
|----------|-----------|-----------|
| 2122614N | 25        | 10        |
| 2122617N | 50        | 10        |
| 2122624N | 100       | 10        |
| 2122636N | 250       | 10        |
| 2122644N | 500       | 10        |
| 2122654N | 1000      | 10        |
| 2122663N | 2000      | 10        |

## ERLENMEYER FLASK • MATRAZ ERLENMEYER • FIOLE ERLENMEYER



Narrow neck, with scale

Cuello normal, con escala

Col étroit, avec échelle

**BORO  
3.3**

**ISO  
1773**

| Ref.     | Cap. (ml) | Pack unit |
|----------|-----------|-----------|
| 2121614N | 25        | 10        |
| 2121617N | 50        | 10        |
| 2121624N | 100       | 10        |
| 2121632N | 200       | 10        |
| 2121636N | 250       | 10        |
| 2121639N | 300       | 10        |
| 2121644N | 500       | 10        |
| 2121654N | 1000      | 10        |
| 2121663N | 2000      | 10        |
| 2121668N | 3000      | 1         |
| 2121673N | 5000      | 1         |

| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 47101 | 5         | 10/19 | 10        |
| 47102 | 10        | 10/19 | 10        |
| 47103 | 25        | 10/19 | 10        |
| 47104 | 25        | 14/23 | 10        |
| 47105 | 25        | 19/26 | 10        |
| 47106 | 50        | 14/23 | 10        |
| 47107 | 50        | 19/26 | 10        |
| 47108 | 50        | 24/29 | 10        |
| 47109 | 100       | 14/23 | 10        |
| 47110 | 100       | 19/26 | 10        |
| 47111 | 100       | 24/29 | 10        |
| 47112 | 100       | 29/32 | 10        |
| 47113 | 200       | 19/26 | 10        |
| 47114 | 200       | 24/29 | 10        |
| 47115 | 200       | 29/32 | 10        |
| 47116 | 250       | 19/26 | 10        |
| 47117 | 250       | 24/29 | 10        |
| 47118 | 250       | 29/32 | 10        |
| 47127 | 300       | 29/32 | 10        |
| 47119 | 500       | 19/26 | 10        |
| 47120 | 500       | 24/29 | 10        |
| 47121 | 500       | 29/32 | 10        |
| 47122 | 1000      | 24/29 | 10        |
| 47123 | 1000      | 29/32 | 10        |
| 47124 | 1000      | 34/35 | 10        |
| 47125 | 2000      | 29/32 | 10        |
| 47126 | 2000      | 34/35 | 10        |

| Ref.     | Cap. (ml) | GL | Pack unit |
|----------|-----------|----|-----------|
| 21803245 | 100       | 25 | 10        |
| 21803365 | 250       | 32 | 10        |
| 21803445 | 500       | 32 | 10        |
| 21803545 | 1000      | 32 | 10        |

| Ref.    | Cap. (ml) | NS    | Pack unit |
|---------|-----------|-------|-----------|
| 3419227 | 100       | 29/32 | 1         |
| 3419237 | 250       | 29/32 | 1         |
| 3419239 | 300       | 29/32 | 1         |
| 3419246 | 500       | 29/32 | 1         |

## ERLENMEYER FLASK • MATRAZ ERLLENMEYER • FIOLE ERLLENMEYER

Standard ground joint, with scale

Cuello esmerilado, con escala

Col rodé, avec échelle

BORO  
3.3ISO  
4797

Glass stopper: add "V" to the reference

Tapón de vidrio: añadir "V" a la referencia

Bouchon en verre: ajouter "V" à la référence

PE-HD stopper: add "T" to the reference

Tapón de PE-HD: añadir "T" a la referencia

Bouchon en PE-HD: ajouter "T" à la référence



## ERLENMEYER FLASK • MATRAZ ERLLENMEYER • FIOLE ERLLENMEYER

With red PBT threaded cap, autoclavable, with scale

Con tapa rosca PBT roja, autoclavable, con escala

Avec bouchon à vis PBT rouge, autoclavable, avec échelle

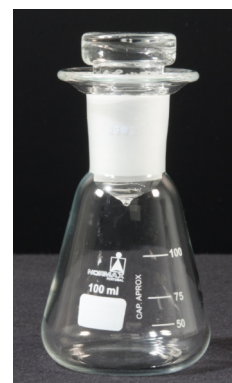
BORO  
3.3ISO  
4796

## IODINE DETERMINATION FLASK • MATRAZ ÍNDICE DE IODO • FIOLE DETERMINATION DE L'IODE

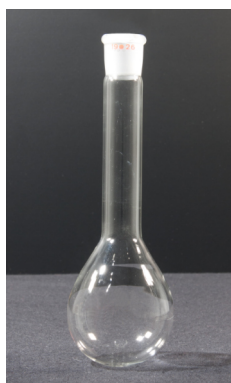
With scale

Con escala

Avec échelle

BORO  
3.3

## KJELDAHL FLASK • MATRAZ DE KJELDAHL • FIOLE KJELDAHL



Standard ground joint

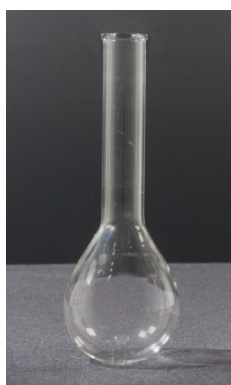
Cuello esmerilado

Col rodé

**BORO**  
3.3**DIN**  
12360

| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 47401 | 50        | 19/26 | 1         |
| 47402 | 100       | 19/26 | 1         |
| 47403 | 100       | 24/29 | 1         |
| 47404 | 250       | 24/29 | 1         |
| 47409 | 500       | 19/26 | 1         |
| 47405 | 500       | 24/29 | 1         |
| 47406 | 500       | 29/32 | 1         |
| 47407 | 750       | 29/32 | 1         |
| 47408 | 1000      | 29/32 | 1         |

## KJELDAHL FLASK • MATRAZ DE KJELDAHL • FIOLE KJELDAHL



Without standard ground joint

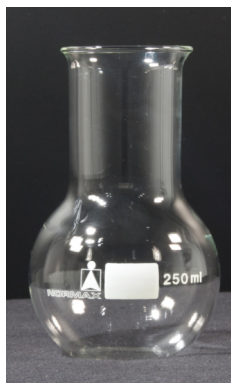
Sin cuello esmerilado

Sans col rodé

**BORO**  
3.3**DIN**  
12360

| Ref.     | Cap. (ml) | Pack unit |
|----------|-----------|-----------|
| 2123117N | 50        | 1         |
| 2123124N | 100       | 1         |
| 2123136N | 250       | 1         |
| 2123144N | 500       | 1         |
| 2123151N | 800       | 1         |
| 2123154N | 1000      | 1         |

## FLASK • MATRAZ • BALLON



Wide neck, flat bottom

Cuello ancho, fondo plano

Col large, fond plat

**BORO**  
3.3

| Ref.     | Cap. (ml) | Pack unit |
|----------|-----------|-----------|
| 2173117N | 50        | 10        |
| 2173124N | 100       | 10        |
| 2173136N | 250       | 10        |
| 2173144N | 500       | 10        |
| 2173154N | 1000      | 10        |
| 2173163N | 2000      | 10        |

## FLASK • MATRAZ • BALLON



Narrow neck, flat bottom

Cuello normal, fondo plano

Col étroit, fond plat

**BORO**  
3.3**ISO**  
1773

| Ref.     | Cap. (ml) | Pack unit |
|----------|-----------|-----------|
| 2171117N | 50        | 10        |
| 2171124N | 100       | 10        |
| 2171136N | 250       | 10        |
| 2171144N | 500       | 10        |
| 2171154N | 1000      | 10        |
| 2171163N | 2000      | 10        |
| 2171171N | 4000      | 1         |
| 2171176N | 6000      | 1         |
| 2171186N | 10000     | 1         |

| Ref.     | Cap. (ml) | Pack unit |
|----------|-----------|-----------|
| 2172117N | 50        | 10        |
| 2172124N | 100       | 10        |
| 2172136N | 250       | 10        |
| 2172144N | 500       | 10        |
| 2172154N | 1000      | 10        |
| 2172163N | 2000      | 10        |
| 2172171N | 4000      | 1         |
| 2172176N | 6000      | 1         |
| 2172186N | 10000     | 1         |
| 2172191N | 20000     | 1         |

## FLASK • MATRAZ • BALLON

Narrow neck, round bottom

Cuello normal, fondo redondo

Col étroit, fond rond

BORO  
3.3ISO  
1773

| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 47001 | 50        | 19/26 | 1         |
| 47002 | 50        | 24/29 | 1         |
| 47003 | 100       | 19/26 | 1         |
| 47004 | 100       | 24/29 | 1         |
| 47005 | 100       | 29/32 | 1         |
| 47006 | 250       | 19/26 | 1         |
| 47007 | 250       | 24/29 | 1         |
| 47008 | 250       | 29/32 | 1         |
| 47009 | 500       | 24/29 | 1         |
| 47010 | 500       | 29/32 | 1         |
| 47012 | 1000      | 24/29 | 1         |
| 47013 | 1000      | 29/32 | 1         |
| 47015 | 2000      | 29/32 | 1         |
| 47016 | 2000      | 34/35 | 1         |

## FLASK • MATRAZ • BALLON

Standard ground joint, flat bottom

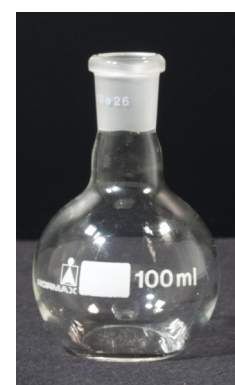
Cuello esmerilado, fondo plano

Col rodé, fond plat

BORO  
3.3ISO  
4797

Glass stopper: add "V" to the reference  
 Tapón de vidrio: añadir "V" a la referencia  
 Bouchon en verre: ajouter "V" à la référence

PE-HD stopper: add "T" to the reference  
 Tapón de PE-HD: añadir "T" a la referencia  
 Bouchon en PE-HD: ajouter "T" à la référence



| Ref.  | Cap. (ml) | NS    | Pack unit |
|-------|-----------|-------|-----------|
| 46801 | 5         | 10/19 | 1         |
| 46802 | 10        | 10/19 | 1         |
| 46803 | 25        | 14/23 | 1         |
| 46804 | 25        | 19/26 | 1         |
| 46805 | 25        | 24/29 | 1         |
| 46806 | 50        | 14/23 | 1         |
| 46807 | 50        | 19/26 | 1         |
| 46808 | 50        | 24/29 | 1         |
| 46824 | 50        | 29/32 | 1         |
| 46809 | 100       | 14/23 | 1         |
| 46810 | 100       | 19/26 | 1         |
| 46811 | 100       | 24/29 | 1         |
| 46812 | 100       | 29/32 | 1         |
| 46813 | 250       | 19/26 | 1         |
| 46814 | 250       | 24/29 | 1         |
| 46815 | 250       | 29/32 | 1         |
| 46816 | 500       | 24/29 | 1         |
| 46817 | 500       | 29/32 | 1         |
| 46818 | 500       | 34/35 | 1         |
| 46819 | 1000      | 24/29 | 1         |
| 46820 | 1000      | 29/32 | 1         |
| 46821 | 1000      | 34/35 | 1         |
| 46822 | 2000      | 29/32 | 1         |
| 46823 | 2000      | 34/35 | 1         |

## FLASK • MATRAZ • BALLON

Standard ground joint, round bottom

Cuello esmerilado, fondo redondo

Col rodé, fond rond

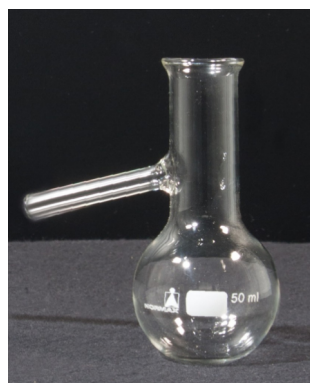
BORO  
3.3ISO  
4797

Glass stopper: add "V" to the reference  
 Tapón de vidrio: añadir "V" a la referencia  
 Bouchon en verre: ajouter "V" à la référence

PE-HD stopper: add "T" to the reference  
 Tapón de PE-HD: añadir "T" a la referencia  
 Bouchon en PE-HD: ajouter "T" à la référence



## DISTILLING FLASK • MATRAZ DE DESTILACIÓN • BALLON À DISTILLER



Engler

**BORO**  
**3.3**

Check • Consulte • Vérifier:

**Engler, E 133, 125ml**  
 Page 80


| Ref.    | Cap. (ml) | Pack unit |
|---------|-----------|-----------|
| 3124317 | 50        | 1         |
| 3124324 | 100       | 1         |
| 3124336 | 250       | 1         |
| 3124344 | 500       | 1         |
| 3124354 | 1000      | 1         |

## CRYSTALLISING • CRISTALIZADOR • CRISTALLISOIR



With spout

Con pico

Avec bec

**BORO**  
**3.3**
**DIN**  
**12338**

| Ref.    | Cap. (ml) | Ø x height (mm) | Pack unit |
|---------|-----------|-----------------|-----------|
| 2131124 | 20        | 40x25           | 10        |
| 2131132 | 40        | 50x30           | 10        |
| 2131134 | 60        | 60x35           | 10        |
| 2131138 | 100       | 70x40           | 10        |
| 2131141 | 150       | 80x45           | 10        |
| 2131144 | 300       | 95x55           | 10        |
| 2131149 | 500       | 115x65          | 10        |
| 2131154 | 900       | 140x75          | 10        |
| 2131159 | 2000      | 190x90          | 4         |
| 2131163 | 3500      | 230x100         | 4         |

## CRYSTALLISING • CRISTALIZADOR • CRISTALLISOIR



With spout

Con pico

Avec bec

**SODA**

| Ref.    | Cap. (ml) | Ø x height (mm) | Pack unit |
|---------|-----------|-----------------|-----------|
| 4470524 | 20        | 40x25           | 10        |
| 4470532 | 40        | 50x30           | 10        |
| 4470534 | 60        | 60x35           | 10        |
| 4470538 | 100       | 70x40           | 10        |
| 4470541 | 150       | 80x45           | 10        |
| 4470544 | 300       | 95x55           | 10        |
| 4470549 | 500       | 115x65          | 10        |
| 4470554 | 900       | 140x75          | 10        |
| 4470559 | 2000      | 190x90          | 10        |
| 4470563 | 3500      | 230x100         | 10        |
| 4470572 | 5000      | 250x120         | 10        |

| Ref.    | Cap. (ml) | Ø x height (mm) | Pack unit |
|---------|-----------|-----------------|-----------|
| 2131324 | 20        | 40x25           | 10        |
| 2131332 | 40        | 50x30           | 10        |
| 2131334 | 60        | 60x35           | 10        |
| 2131338 | 100       | 70x40           | 10        |
| 2131341 | 150       | 80x45           | 10        |
| 2131344 | 300       | 95x55           | 10        |
| 2131349 | 500       | 115x65          | 10        |
| 2131354 | 900       | 140x75          | 10        |
| 2131359 | 2000      | 190x90          | 4         |
| 2131363 | 3500      | 230x100         | 4         |

## CRYSTALLISING • CRISTALIZADOR • CRISTALLISOIR

Without spout

Sin pico

Sans bec

BORO  
3.3DIN  
12337

| Ref.    | Cap. (ml) | Ø x height (mm) | Pack unit |
|---------|-----------|-----------------|-----------|
| 4470424 | 20        | 40x25           | 10        |
| 4470432 | 40        | 50x30           | 10        |
| 4470434 | 60        | 60x35           | 10        |
| 4470438 | 100       | 70x40           | 10        |
| 4470441 | 150       | 80x45           | 10        |
| 4470444 | 300       | 95x55           | 10        |
| 4470449 | 500       | 115x65          | 10        |
| 4470454 | 900       | 140x75          | 10        |
| 4470459 | 2000      | 190x90          | 10        |
| 4470463 | 3500      | 230x100         | 10        |
| 4470472 | 5000      | 250x120         | 10        |

## CRYSTALLISING • CRISTALIZADOR • CRISTALLISOIR

Without spout

Sin pico

Sans bec

SODA



| Ref.    | Cap. (ml) | Ø x height (mm) | Pack unit |
|---------|-----------|-----------------|-----------|
| 4470640 | 100       | 80x40           | 1         |
| 4470650 | 200       | 100x47          | 1         |
| 4470660 | 450       | 128x59          | 1         |
| 4470670 | 1000      | 160x72          | 1         |
| 4470690 | 1500      | 192x85          | 1         |

## CRYSTALLISING • CRISTALIZADOR • CRISTALLISOIR

Pressed

Con borde grueso

Pressé bord cordeline

SODA



## KIPP DISPENSER • PIPETA DE KIPP • PIPETTE DE KIPP



Automatic, 1 litre bottle  
(Bottle in soda-lime glass)

Automática, frasco de 1 litro  
(Frasco en vidrio corriente)

Automatique, flacon 1 litre  
(Flacon en verre sodocalcique)

**BORO**  
3.3

**NS**  
29/32



Automatic pipette, ground joint.  
*Available without ground joint*

Pipeta automática, cuello esmerilado  
*Disponible sin esmerilado*

Pipette automatique, col rodé  
*Disponible sans rodage*

| Ref.    | Cap. (ml) | Pack unit |
|---------|-----------|-----------|
| 3030101 | 1         | 1         |
| 3030102 | 2         | 1         |
| 3030107 | 5         | 1         |
| 3030108 | 10        | 1         |
| 3030111 | 15        | 1         |
| 3030112 | 20        | 1         |
| 3030114 | 25        | 1         |
| 3030117 | 50        | 1         |
| 3030124 | 100       | 1         |

| Ref.    | Cap. (ml) | Pack unit |
|---------|-----------|-----------|
| 3430201 | 1         | 1         |
| 3430202 | 2         | 1         |
| 3430207 | 5         | 1         |
| 3430208 | 10        | 1         |
| 3430211 | 15        | 1         |
| 3430212 | 20        | 1         |
| 3430214 | 25        | 1         |
| 3430217 | 50        | 1         |
| 3430224 | 100       | 1         |

## MORTAR • MORTERO • MORTIER



With spout and glass pestle

Con pico y mano de vidrio

Avec bec et pilon en verre

Without glass pestle: add "A" to the reference  
Sin mano de vidrio añadir "A" a la referencia  
Sans pilon en verre: ajouter "A" à la référence

| Ref.    | Cap. (ml) | Ø (mm) | Pack unit |
|---------|-----------|--------|-----------|
| 4054117 | 50        | 60     | 1         |
| 4054124 | 100       | 80     | 1         |
| 4054136 | 250       | 100    | 1         |
| 4054144 | 500       | 120    | 1         |
| 4054154 | 1000      | 150    | 1         |
| 4054163 | 2000      | 180    | 1         |

## GLASS PESTLE • MANO DE VIDRO • PILON VERRE



| Ref.    | Length. (mm) | Pack unit |
|---------|--------------|-----------|
| 9095008 | 70           | 1         |
| 9095050 | 80           | 1         |
| 9095046 | 100          | 1         |
| 9095011 | 120          | 1         |
| 9095038 | 140          | 1         |
| 9095004 | 160          | 1         |
| 9095072 | 170          | 1         |
| 9095012 | 180          | 1         |
| 9095023 | 200          | 1         |
| 9095009 | 230          | 1         |

| Ref.    | Internal Ø.<br>(mm) | Eff. length<br>(mm) | Pack unit |
|---------|---------------------|---------------------|-----------|
| 3437000 | 10                  | 100                 | 1         |
| 3437001 | 10                  | 200                 | 1         |
| 3437009 | 15                  | 200                 | 1         |
| 3437003 | 15                  | 400                 | 1         |
| 3437002 | 20                  | 200                 | 1         |
| 3437004 | 20                  | 400                 | 1         |
| 3437005 | 20                  | 600                 | 1         |
| 3437006 | 30                  | 400                 | 1         |
| 3437007 | 30                  | 600                 | 1         |
| 3437008 | 40                  | 800                 | 1         |

### CHROMATOGRAPHY COLUMN • COLUMNA CROMATOGRAFIA • COLONNE À CHROMATOGRAPHIE

Glass stopcock, without sintered glass-disc. Available with sintered glass-disc: add the required porosity to the reference code (0-4)

Llave de vidrio, sin placa porosa.  
Disponible con placa porosa: añadir la porosidad a la referencia (0-4)

Robinet verre, sans plaque poreuse.  
Disponible avec plaque poreuse: ajouter la porosité à la référence (0-4)



| Ref.    | Internal Ø.<br>(mm) | Eff. length<br>(mm) | Pack unit |
|---------|---------------------|---------------------|-----------|
| 3447000 | 10                  | 100                 | 1         |
| 3447001 | 10                  | 200                 | 1         |
| 3447009 | 15                  | 200                 | 1         |
| 3447003 | 15                  | 400                 | 1         |
| 3447002 | 20                  | 200                 | 1         |
| 3447004 | 20                  | 400                 | 1         |
| 3447005 | 20                  | 600                 | 1         |
| 3447006 | 30                  | 400                 | 1         |
| 3447007 | 30                  | 600                 | 1         |
| 3447008 | 40                  | 800                 | 1         |

### CHROMATOGRAPHY COLUMN • COLUMNA CROMATOGRAFIA • COLONNE À CHROMATOGRAPHIE

PTFE stopcock, without sintered glass-disc. Available with sintered glass-disc: add the required porosity to the reference code (0-4)

Llave de PTFE, sin placa porosa.  
Disponible con placa porosa: añadir la porosidad a la referencia (0-4)

Robinet PTFE, sans plaque poreuse.  
Disponible avec plaque poreuse: ajouter la porosité à la référence (0-4)

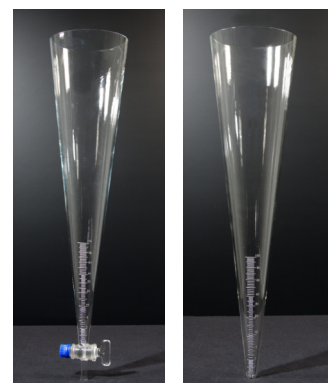


| Ref.    | Feature • Característica • Caractéristique            | Cap. (ml) | Ø (mm) | Pack unit |
|---------|---|-----------|--------|-----------|
| 3720000 | Glass stopcock<br>Llave de vidrio<br>Robinet en verre | 1000      | 120    | 1         |
| 3710000 | Closed tip<br>Sin llave<br>Sans robinet               | 1000      | 120    | 1         |

### SEDIMENTATION CONE • CONO DE SEDIMENTACIÓN • CÔNE À SEDIMENTATION

Acc. Imhoff

**DIN  
12672**



## SEPARATING CHAMBER • CUBETA • CUVE



For chromatography, with or without grooves

Para cromatografía, con o sin rañuras

Pour chromatographie, avec ou sans rainures



SODA

| Ref.    | Type • Tipo • Type                              | Size (mm) | Pack unit |
|---------|---|-----------|-----------|
| 4431100 | 1 with grooves • Con rañuras • Avec rainures    | 200x200   | 1         |
| 4431201 | 2 without grooves • sin rañuras • sans rainures | 100x100   | 1         |
| 4431200 | 2 without grooves • sin rañuras • sans rainures | 200x200   | 1         |

## EVAPORATING DISH • CAPSULA DE EVAPORACIÓN • CAPSULE À ÉVAPORATION



Flat bottom

Fondo plano

Fond plat

BORO 3.3

DIN 12336

| Ref.    | Cap. (ml) | Tol. ± (ml) | Pack unit |
|---------|-----------|-------------|-----------|
| 2130124 | 10        | 40          | 10        |
| 2130132 | 15        | 50          | 10        |
| 2130134 | 45        | 60          | 10        |
| 2130138 | 60        | 70          | 10        |
| 2130141 | 90        | 80          | 10        |
| 2130144 | 170       | 95          | 10        |
| 2130149 | 320       | 115         | 10        |
| 2130154 | 600       | 140         | 10        |
| 2130159 | 1500      | 190         | 4         |
| 2130163 | 2500      | 230         | 3         |

## WEIGHING BOAT • EMBUDO PESASUSTANCIAS/ZAPATITO • SABOT DE PESÉE



BORO 3.3

| Ref.    | Cap. (ml) | Pack unit |
|---------|-----------|-----------|
| 9065088 | 3         | 1         |
| 9065090 | 5         | 1         |
| 9065185 | 6         | 1         |
| 9065091 | 10        | 1         |
| 9065174 | 15        | 1         |
| 9065175 | 20        | 1         |
| 9065176 | 25        | 1         |
| 9065186 | 40        | 1         |
| 9065187 | 100       | 1         |

## WEIGHING BOTTLES • PESAFILTROS • PÈSE-FILTRES



BORO 3.3

| Ref.    | Shape • Forma • Forme | Cap. (ml) | Ø x Height (mm) | Pack unit |
|---------|-----------------------|-----------|-----------------|-----------|
| 3421107 | Tall • alta • haute   | 3,5       | 10x80           | 1         |
| 3421113 | Tall • alta • haute   | 9         | 25x40           | 1         |
| 3421118 | Tall • alta • haute   | 20        | 30x50           | 1         |
| 3421123 | Tall • alta • haute   | 42        | 35x70           | 1         |
| 3421124 | Tall • alta • haute   | 66        | 40x80           | 1         |
| 3421023 | Low • baja • basse    | 10        | 35x30           | 1         |
| 3421032 | Low • baja • basse    | 20        | 50x30           | 1         |
| 3421041 | Low • baja • basse    | 60        | 80x30           | 1         |

| Ref.    | Cap. (ml) | Tol. ± (ml) | Pack unit |
|---------|-----------|-------------|-----------|
| 3455214 | 25        | 2           | 1         |
| 3455217 | 50        | 3           | 1         |
| 3455221 | 100       | 3           | 1         |
| 3455236 | 250       | -           | 1         |
| 3455244 | 500       | -           | 1         |
| 3455254 | 1000      | -           | 1         |

Calibration certificate is available by request.

Issued by Normalab, our independent and accredited laboratory. (Page 6)

Certificado de calibración disponible a pedido.

Emitido por Normalab, nuestro laboratorio independiente y acreditado. (Página 6)

Certificat d'étalonnage disponible sur demande.

Déjà livré par Normalab, notre laboratoire indépendant et accrédité. (Page 6)

| Ref.    | Cap. (ml) | Tol. ± (ml) | Pack unit |
|---------|-----------|-------------|-----------|
| 3455101 | 1         | 0,1         | 1         |
| 3455102 | 2         | 0,3         | 1         |
| 3455107 | 5         | 0,5         | 1         |
| 3455108 | 10        | 1           | 1         |
| 3455114 | 25        | 2           | 1         |
| 3455117 | 50        | 3           | 1         |
| 3455121 | 100       | 3           | 1         |

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Déjà livré par Normalab, notre laboratoire indépendant et accrédité. (Page 6)

| Ref.     | Cap. (ml) | Tol. ± (ml) | Pack unit |
|----------|-----------|-------------|-----------|
| 3455108N | 10        | 1           | 2         |
| 3455114N | 25        | 2           | 2         |
| 3455117N | 50        | 3           | 2         |
| 3455121N | 100       | 3           | 2         |

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Déjà livré par Normalab, notre laboratoire indépendant et accrédité. (Page 6)

| Ref.     | Cap. (ml) | Tol. ± (ml) | Pack unit |
|----------|-----------|-------------|-----------|
| 3455108T | 10        | 1           | 1         |
| 3455114T | 25        | 2           | 1         |
| 3455117T | 50        | 3           | 1         |
| 3455121T | 100       | 3           | 1         |

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Certificat d'étalonnage disponible sur demande.

Déjà livré par Normalab, notre laboratoire indépendant et accrédité. (Page 6)

## PYCNOMETER • PICNÓMETRO • PYCNOMÈTRE

For solids

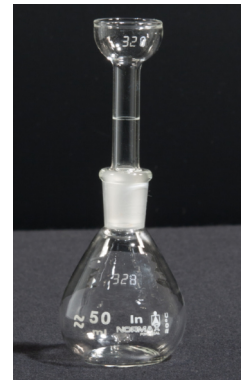
Para sólidos

Pour solides

**BORO**  
3.3

**ISO**  
3507

Calibration certificate  
available by request



## PYCNOMETER • PICNÓMETRO • PYCNOMÈTRE

For liquids

Para líquidos

Pour liquides

**BORO**  
3.3

**ISO**  
3507

**Acc. to**  
Gay-Lusac

Calibration certificate  
available by request



## PYCNOMETER • PICNÓMETRO • PYCNOMÈTRE

For liquids, with PTFE stopper  
ASTM E438 type I

Para líquidos, con tapón de teflón  
ASTM E438 tipo I

Pour liquides, avec bouchon en téflon  
ASTM E438 type I

**BORO**  
3.3

**Acc. to**  
Gay-Lusac

Calibration certificate  
available by request



## PYCNOMETER • PICNÓMETRO • PYCNOMÈTRE

For liquids, with thermometer

Para líquidos, con termómetro

Pour liquides, avec thermomètre

**BORO**  
3.3

**ISO**  
3507

Calibration certificate  
available by request



## BELL JAR • CAMPANA • CLOCHE



With knob

Con botón

À bouton

**SODA**

With knob, with ground joint, 29/32

Con botón, con esmerilado, 29/32

À bouton, avec rodage, 29/32

| 1 | Ref.    | Size (mm) | Pack unit |
|---|---------|-----------|-----------|
|   | 1502253 | 150x200   | 1         |
|   | 1502254 | 150x250   | 1         |
|   | 1502255 | 200x200   | 1         |
|   | 1502256 | 200x300   | 1         |

| 2 | Ref.    | Size (mm) | Pack unit |
|---|---------|-----------|-----------|
|   | 1502153 | 150x200   | 1         |
|   | 1502154 | 150x250   | 1         |
|   | 1502155 | 200x200   | 1         |
|   | 1502156 | 200x300   | 1         |

## FEEDING BOTTLE • BIBERÓN • BIBERON



Red graduation. Customised printing available, cover PP (not included) available in other colours

Graduación roja. Disponible impresión personalizada, tapa PP (no incluida) disponible en otros colores

Graduation rouge. Disponible impression personnalisée, couvercle PP (non inclus) disponible en plusieurs couleurs

**BORO 3.3**

| Ref.    | Feature                    | Cap. (ml) | Out. Ø x height (mm) | Pack unit |
|---------|----------------------------|-----------|----------------------|-----------|
| 3642029 | -                          | 150       | -                    | 54        |
| 3642036 | -                          | 250       | -                    | 54        |
| 1200014 | Cover<br>Tapa<br>Couvercle | -         | 50x64                | 1         |

## ALCOHOL LAMP • LAMPARILLA • LAMPE À ALCOOL



Bakelite cover

Tapón baquelita

Couverture de bakélite

**SODA**

| Ref.    | Cap. (ml) | Out. Ø (mm) | Pack unit |
|---------|-----------|-------------|-----------|
| 4169424 | 100       | 70          | 1         |

## URINE BOTTLE • ORINAL • URINAL



For man

Para caballero

Pour homme

**SODA**

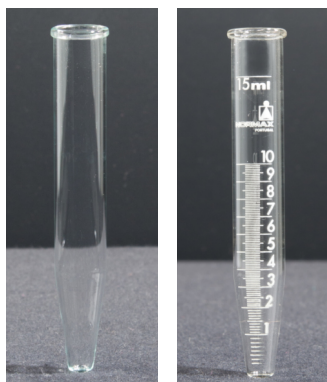
| Ref.     | Cap. (ml) | Pack unit |
|----------|-----------|-----------|
| 4650058  | 900       | 10        |
| 4650158  | 750       | 10        |
| 4650158U | 750       | 1         |

The logo for INORMAX, featuring a stylized 'i' icon followed by the brand name in a bold, sans-serif font.

TUBES  
TUBOS  
TUBES

03

## CENTRIFUGE TUBE • TUBO CENTRÍFUGA • TUBE À CENTRIFUGER



Conical bottom, neutral glass

Fondo cónico, vidrio neutro

Fond conique, verre neutre

Neutral  
Glass

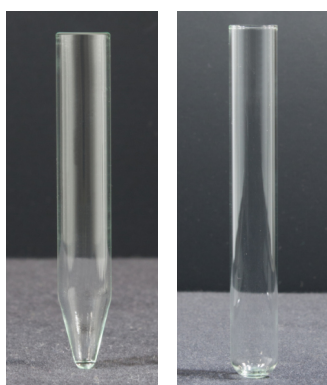
| Ref.     | Type • Tipo • Type    | Thickness (mm) | Out. Ø x height (mm) | Pack unit |
|----------|-----------------------|----------------|----------------------|-----------|
| 3017708  | Plain                 | 0,90           | 16x110               | 100       |
| 3017711  | Liso                  | 0,90           | 17x115               | 100       |
| 3017811* | Pas gradué            | 0,90           | 17x115               | 100       |
| 3017708G | Graduated<br>Graduado | 0,90           | 16x110               | 100       |
| 3036711  | Gradué                | 0,90           | 17x115               | 100       |

## CENTRIFUGE TUBE • TUBO CENTRÍFUGA • TUBE À CENTRIFUGER

Conical bottom,  
neutral glass, with  
stopperFondo cónico,  
vidrio neutro, con  
tapónFond conique, verre  
neutre, avec  
bouchonNeutral  
GlassNS  
12/21

| Ref.    | Type • Tipo • Type    | Cap. (ml) | Thickness (mm) | Out. Ø x height (mm) | Pack unit |
|---------|-----------------------|-----------|----------------|----------------------|-----------|
| 3036908 | Plain<br>Liso         | 10        | 0,90           | 16x123               | 50        |
| 3036911 | Pas gradué            | 15        | 0,90           | 17x138               | 50        |
| 3037608 | Graduated<br>Graduado | 10        | 0,90           | 16x123               | 50        |
| 3037611 | Gradué                | 15        | 0,90           | 17x138               | 50        |

## CENTRIFUGE TUBE • TUBO CENTRÍFUGA • TUBE À CENTRIFUGER

BORO  
3.3

| Ref.      | Type • Tipo • Type                         | Cap. (ml) | Thickness (mm) | Out. Ø x height (mm) | Pack unit |
|-----------|--|-----------|----------------|----------------------|-----------|
| 3426311   | Conical bottom 30°<br>Fondo cónico 30°     | 10        | 1,55           | 16x100               | 100       |
| 3426311G* | Fond conique 30°                           | 10        | 1,55           | 16x100               | 100       |
| 3160110   | Round bottom<br>Fondo redondo<br>Fond rond | 6         | 1,3-1,5        | 12x100               | 100       |
| 3160111   |  | 12        | 1,6-1,8        | 16x100               | 100       |
| 3160114   |  | 25        | 1,6-1,8        | 24x100               | 100       |
| 3160117   |  | 50        | 1,8-2,0        | 34x100               | 100       |
| 3160124   |  | 80        | 2,0-2,3        | 40x115               | 100       |
| 3160126   |  | 80        | 2,0-2,3        | 44x100               | 100       |
| 3160136   |  | 250       | 2,2-2,5        | 56x147               | 100       |

\*Graduated • Graduado • Gradué

| Ref.    | Thickness (mm) | Out. Ø x height (mm) | Pack unit |
|---------|----------------|----------------------|-----------|
| 5611001 | 0,60-0,80      | 8x70                 | 168       |
| 5611003 | 0,60-0,80      | 10x75                | 100       |
| 5611006 | 0,60-0,80      | 10x100               | 100       |
| 5611008 | 0,80-1,00      | 12x75                | 250       |
| 5611011 | 0,80-1,00      | 12x100               | 100       |
| 5611012 | 0,80-1,00      | 12x120               | 250       |
| 5611038 | 0,80-1,00      | 15x150               | 250       |
| 5611037 | 1,00-1,20      | 16x150               | 100       |
| 5611021 | 1,00-1,20      | 16x160               | 250       |
| 5611016 | 1,00-1,20      | 16x100               | 250       |
| 5611023 | 1,00-1,20      | 18x180               | 100       |
| 5611026 | 1,00-1,20      | 20x150               | 100       |
| 5611029 | 1,00-1,20      | 20x200               | 100       |
| 5611034 | 1,00-1,20      | 22x200               | 80        |
| 5611036 | 1,00-1,20      | 25x200               | 125       |

| Ref.    | Graduated at (ml) | Out. Ø x height (mm) | Pack unit |
|---------|-------------------|----------------------|-----------|
| 5060020 | 0,4-2             | 12x100               |           |
| 5060021 | 5-10              | 16x160               |           |
| 5060022 | 10                | 16x160               |           |
| 5060023 | 10                | 18x180               |           |
| 5060024 | 10-20             | 18x180               |           |

| Ref.     | Thickness (mm)            | Out. Ø x height (mm) | Thread (GL) | Pack unit |
|----------|---------------------------|----------------------|-------------|-----------|
| 36435125 | 0,80                      | 12x100               | 12          | 336       |
| 36435165 | 1,0                       | 16x100               | 18          | 100       |
| 36435305 | 1,0                       | 16x150               | 18          | 100       |
| 36435215 | 1,0                       | 16x160               | 18          | 100       |
| 36435235 | 0,95                      | 18x180               | 18          | 198       |
| 36435245 | 1,0                       | 20x150               | 18          | 100       |
| 36435295 | 0,95                      | 20x200               | 18          | 180       |
| 6020003  | *PP cap • tapón • bouchon |                      | 12          | 1         |
| 6020007  | *PP cap • tapón • bouchon |                      | 18          | 1         |

\*natural colour • color natural • couleur naturelle

| Ref.     | Thickness (mm) | Out. Ø x height (mm) | Thread (GL) | Pack unit |
|----------|----------------|----------------------|-------------|-----------|
| 36335215 | 0,90           | 16x160               | 16          | 265       |
| 36335235 | 0,95           | 16x180               | 16          | 220       |

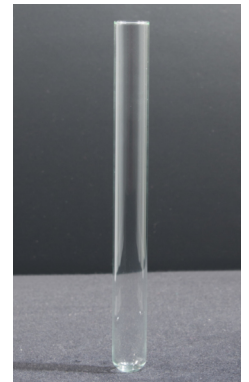
### TEST TUBE • TUBO DE ENSAYO • TUBE À ESSAI

Round bottom, rimless.  
Available in other type of glass and/or flat bottom

Fondo redondo, sin reborde.  
Disponibile en otro tipo de vidrio y/o fondo plano

Fond rond, bord droit.  
Disponibile en dans autres types de verre/fond plat

Neutral Glass



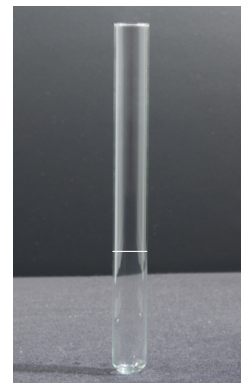
### TEST TUBE • TUBO DE ENSAYO • TUBE À ESSAI

Round bottom, with graduation

Con fondo redondo, marcado

Fond rond, marqué

Neutral Glass



### CULTURE TUBE • TUBO DE CULTIVO • TUBE DE CULTURE

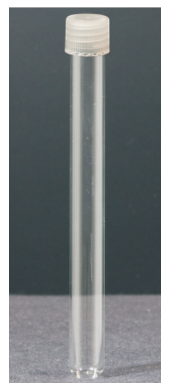
Round bottom, with screw thread  
Autoclavable. CAP NOT INCLUDED.  
Available with black plastic cap and/or flat bottom

Fondo redondo, con rosca  
Autoclavable. TAPÓN NON INCLUIDO.  
Disponibile con tapón roscado negro y/o fondo plano

Fond rond, avec bouchon à vis  
Autoclavable. BOUCHON NON INCLUSE.  
Disponibile avec bouchon plastique noir et/ou fond plat

Neutral Glass

AUTOCLAVABLE  
121°C



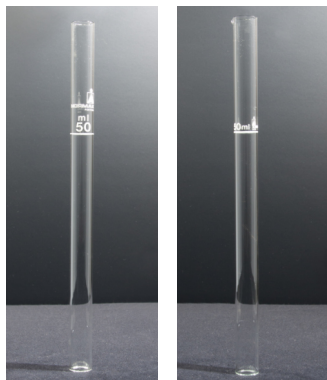
Round bottom, aluminum screw cap  
Available with flat bottom

Con fondo redondo, con tapón roscado aluminio. Disponibile con fondo plano

Fond rond, marqué, avec bouchon à vis en aluminium. Disponibile avec fond plat

Neutral Glass



**NESSLER TUBE • TUBO NESSLER • TUBE NESSLER**


Tall form

Forma alta

Forme haute

**BORO  
3.3**

| Ref.    | Type • Tipo • Type | Cap. (ml) | Grad. at (ml) | Out. Ø x height (mm) | Pack unit |
|---------|--------------------|-----------|---------------|----------------------|-----------|
| 5617101 | Without spout      | 50        | 50            | 20x300               | 1         |
| 5617102 | Sin pico           | 100       | 100           | 24x375               | 1         |
| 5617103 | Sans bec           | 100       | 50-100        | 24x375               | 1         |
| 5617301 | With spout         | 50        | 50            | 20x300               | 1         |
| 5617302 | Con pico           | 100       | 100           | 24x375               | 1         |
| 5617303 | Avec bec           | 100       | 50-100        | 24x375               | 1         |

**NESSLER TUBE • TUBO NESSLER • TUBE NESSLER**

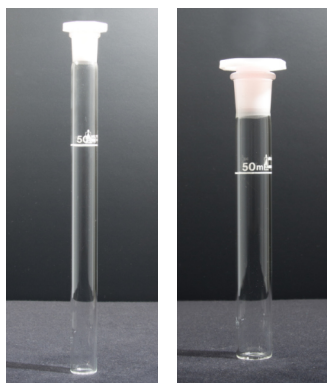

Short form

Forma baja

Forme basse

**BORO  
3.3**

| Ref.    | Type • Tipo • Type | Cap. (ml) | Grad. at (ml) | Out. Ø x height (mm) | Pack unit |
|---------|--------------------|-----------|---------------|----------------------|-----------|
| 5617001 | Without spout      | 50        | 50            | 25x175               | 1         |
| 5617002 | Sin pico           | 100       | 100           | 32x200               | 1         |
| 5617003 | Sans bec           | 100       | 50-100        | 32x200               | 1         |
| 5617201 | With spout         | 50        | 50            | 25x175               | 1         |
| 5617202 | Con pico           | 100       | 100           | 32x200               | 1         |
| 5617203 | Avec bec           | 100       | 50-100        | 32x200               | 1         |

**NESSLER TUBE • TUBO NESSLER • TUBE NESSLER**


With stopper

Con tapón

Avec bouchon

**BORO  
3.3**

| Ref.    | Type • Tipo • Type                     | Cap. (ml) | Grad. at (ml) | NS    | Pack unit |
|---------|--|-----------|---------------|-------|-----------|
| 5627301 | Tall form<br>Forma alta<br>Forme haute | 50        | 50            | 19/26 | 1         |
| 5627101 | Short form                             | 50        | 50            | 24/29 | 1         |
| 5627104 | Forma baja                             | 50        | 25-50         | 24/29 | 1         |
| 5627103 | Forme basse                            | 100       | 50-100        | 24/29 | 1         |

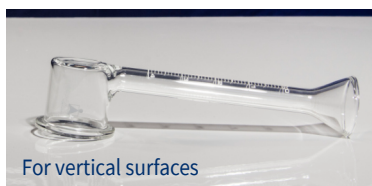
| Ref.    | Type • Tipo • Type   | Pack unit |
|---------|--|-----------|
| 9065180 | Horizontal surfaces<br>Superficies horizontales<br>Surfaces horizontales | 1         |
| 9065120 | Vertical surfaces<br>Superficies verticales<br>Surfaces verticales       | 1         |

## KARSTEN TUBE • TUBO KARSTEN • TUBE KARSTEN

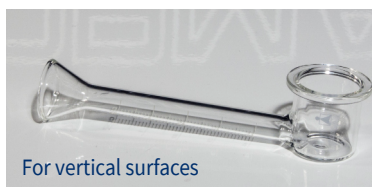
Graduated

Graduado

Gradué

BORO  
3.3

For vertical surfaces



For vertical surfaces

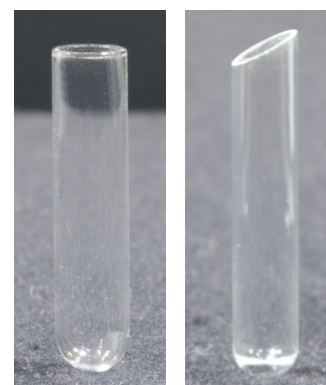


For horizontal surfaces

| Ref.    | Type • Tipo • Type                             | Out. Ø x height (mm) | Pack unit |
|---------|--|----------------------|-----------|
| 5611204 | Without bevel edge<br>Sin bisel<br>Sans biseau | 6x20                 | 100       |
| 5611205 |  | 6x30                 | 100       |
| 5611206 |  | 6x40                 | 100       |
| 5611201 |  | 6x50                 | 100       |
| 5611207 |  | 7x30                 | 100       |
| 5611202 |  | 7x35                 | 100       |
| 5611208 |  | 7x40                 | 100       |
| 5611209 |  | 8x30                 | 100       |
| 5611203 |  | 10x45                | 100       |
| 5612001 |  | With bevel edge      | 6x50      |
| 5612002 | Con bisel                                      | 7x35                 | 100       |
| 5612003 | Avec biseau                                    | 110x45               | 100       |

## DURHAM TUBE • TUBO DURHAM • TUBE DURHAM

SODA



| Ref.                 | Thickness (mm) | Out. Ø x height (mm) | Pack unit |
|----------------------|----------------|----------------------|-----------|
| 5436150              | 1              | 2,0 36x135           | 1         |
| 5436330              | 1              | 2,0 36x330           | 1         |
| 9065142 <sup>a</sup> | 2              | - 40x298             | 1         |
| 9065142 <sup>b</sup> | 2              | - 40x298             | 1         |
| 9065199 <sup>c</sup> | 2              | - 40x298             | 1         |
| 9065198 <sup>c</sup> | 2              | - 40x298             | 1         |
| 9065070              | 1              | 2,3 42x298           | 1         |
| 9060002              | 1              | 2,3 42x300           | 1         |
| 9065181              | 1              | 2,5 50x400           | 1         |
| 9065182              | 1              | 1,8 54x400           | 1         |
| 5445000              | 1              | 1,8 54x450           | 1         |
| 5446000              | 1              | 1,8 54x460           | 1         |
| 5450000              | 1              | 1,8 54x500           | 1         |
| 5452000              | 1              | 1,8 54x520           | 1         |
| 5455000              | 1              | 1,8 54x550           | 1         |
| 5460000              | 1              | 1,8 54x600           | 1         |
| 5473000              | 1              | 1,8 54x730           | 1         |
| 5474000              | 1              | 1,8 54x740           | 1         |
| 5475000              | 1              | 1,8 54x750           | 1         |
| 9065183              | 1              | 1,8 54x800           | 1         |
| 5490000              | 1              | 1,8 54x900           | 1         |
| 5401050              | 1              | 1,8 54x1050          | 1         |

<sup>a</sup> Rim with 48mm • Borde prensado con 48mm • Bord renforcé avec 48mm<sup>b</sup> With rim, straight neck • Borde prensado con 48mm • Bord renforcé,<sup>c</sup> With rim, constricted neck • Borde prensado, • Bord renforcé,

## DIGESTION TUBE • TUBO DE DIGESTIÓN • TUBO DE DIGESTION

Round bottom

Fondo redondo

Fond rond

BORO  
3.3

## LEIGHTON TUBE • TUBO LEIGHTON • TUBE LEIGHTON



**Leighton culture tubes** are useful for the study of pathogenic effects on viruses on cells as well as sponge matrix culture and nutritional studies.

Use cover slips for preparing explant tissue cultures with Leighton culture tubes

Los **tubos de cultivo de Leighton** son útiles para el estudio de los efectos patogénicos sobre los virus en las células, así como para el cultivo de matriz de esponja y los estudios nutricionales.

Use cubreobjetos para preparar cultivos de tejido explante con tubos de cultivo Leighton

Les **tubes de culture de Leighton** sont utiles pour l'étude des effets pathogènes sur les virus sur les cellules ainsi que la culture de la matrice d'éponges et les études nutritionnelles.

Utilisez des lamelles pour préparer des cultures de tissu explant avec des tubes de culture Leighton

**BORO**  
3.3

*Available with PP cap • Disponible con tapón PP • Disponible avec bouchon PP*



 **NORMAX**

**MICROSCOPY AND MICROBIOLOGY  
MICROSCOPIA Y MICROBIOLOGIA  
MICROSCOPIE ET MICROBIOLOGIE**

**04**

MICROSCOPE SLIDE • PORTAOBJETO • LAME PORTE-OBJET

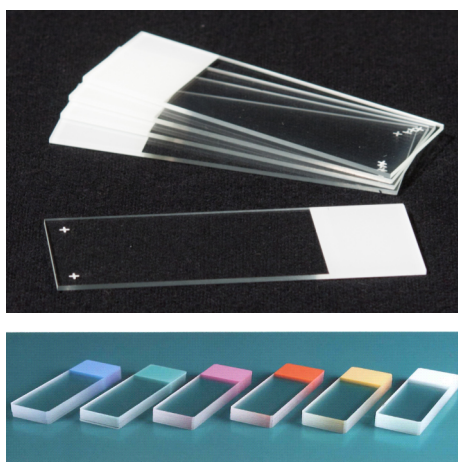


| Ref.     | Thickness (mm) | Feature • Característica • Caractéristique  | Pack Unit |
|----------|----------------|---|-----------|
| 5470117C | 1-1,11         | Cut edges (90° angled)<br>Bordes sin pulir (90° en ángulo)<br>Bords coupés (angle 90°)  | 50        |
| 5470207C | 1-1,11         | Ground edges<br>Bordes pulidos<br>Bords rodés   | 50        |
| 5470307C | 1-1,11         | Ground edges, frosted end 20 mm (top and bottom)<br>Bordes pulidos, banda mate 20 mm (arriba y abajo)<br>Bords rodés, bande 20 mm dépolie (haut et bas) | 50        |

ON REQUEST • A PEDIDO • SUR DEMANDE:

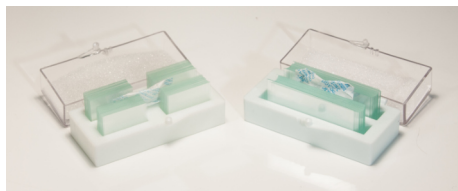
→ Tropical packing (slides individually paper interleaved) • Envase tropical (láminas con papel intercalado) • Emballage tropicale (lames avec papier interposé)

NORMAFROST SLIDES • PORTAOBJETOS NORMAFROST • LAMES NORMAFROST



| Ref.    | Colour • Color • Couleur    | Feature • Característica • Caractéristique | Pack Unit |
|---------|-----------------------------|--|-----------|
| 5471101 | □ white • blanco • blanche  | 90° angled, positive charged               | 72        |
| 5471201 | □ white • blanco • blanche  | 90° angled, Polysine® pre-coated           | 72        |
| 5471301 | □ white • blanco • blanche  | 90° angled, silane pre-coated              | 72        |
| 5471001 | □ white • blanco • blanche  | 90° angled                                 | 50        |
| 5471002 | □ white • blanco • blanche  | 45° angled                                 | 50        |
| 5471003 | ■ orange • naranja • orange | 90° angled                                 | 50        |
| 5471004 | ■ orange • naranja • orange | 45° angled                                 | 50        |
| 5471005 | ■ green • verde • verte     | 90° angled                                 | 50        |
| 5471006 | ■ green • verde • verte     | 45° angled                                 | 50        |
| 5471007 | ■ pink • rosado • rose      | 90° angled                                 | 50        |
| 5471008 | ■ pink • rosado • rose      | 45° angled                                 | 50        |
| 5471009 | ■ blue • azul • bleue       | 90° angled                                 | 50        |
| 5471010 | ■ blue • azul • bleue       | 45° angled                                 | 50        |
| 5471011 | ■ yellow • amarillo • jaune | 90° angled                                 | 50        |
| 5471012 | ■ yellow • amarillo • jaune | 45° angled                                 | 50        |

MICROSCOPE COVER GLASSES • CUBREOBJETOS • LAMELLE COUVRE-OBJET



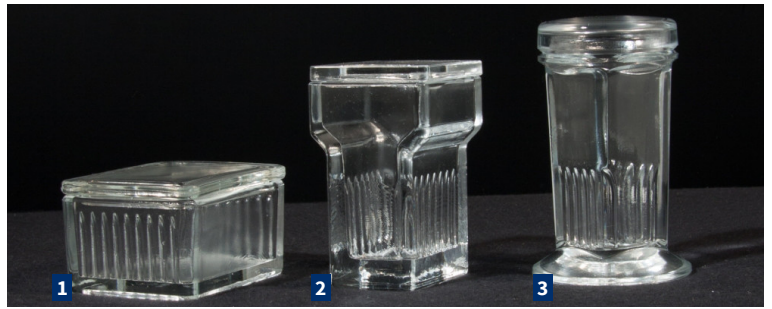
| Ref.     | Length x width (mm) | Pack Unit | Ref.     | Length x width (mm) | Pack Unit |
|----------|---------------------|-----------|----------|---------------------|-----------|
| 5470024  | 10x10               | 10x100    | 5470022  | 22x60               | 10x100    |
| 5470001  | 12x12               | 10x100    | 5470023  | 22x64               | 10x100    |
| 5470002  | 12x23               | 10x100    | 5470006A | 24x24               | 5x200     |
| 5470003A | 18x18               | 5x200     | 5470007A | 24x32               | 5x100     |
| 5470010  | 18x24               | 10x100    | 5470014  | 24x36               | 10x100    |
| 5470004A | 20x20               | 5x200     | 5470015A | 24x40               | 5x100     |
| 5470020  | 20x24               | 10x100    | 5470008A | 25x50               | 5x100     |
| 5470011  | 21x26               | 10x100    | 5470016A | 24x60               | 5x100     |
| 5470005A | 22x32               | 5x200     | 5470017  | 25x40               | 10x100    |
| 5470012  | 22x32               | 10x100    | 5470018  | 25x50               | 10x100    |
| 5470013  | 22x40               | 10x100    | 5470019  | 25x60               | 10x100    |
| 5470021A | 22x50               | 5x100     |          |                     |           |

Optical glass • Vidrio óptico • Verre optique  
Thickness • Espesor • Épaisseur:  
0,13 - 0,17 mm

| Ref.    | Type • Tipo • Type       | For slides | Pack Unit |
|---------|--------------------------|------------|-----------|
| 4430700 | <b>1</b> Schiefferdecker | 10         | 1         |
| 4431000 | <b>2</b> Hellendahl      | 8          | 1         |
| 4430800 | <b>3</b> Coplin          | 5          | 1         |

SODA

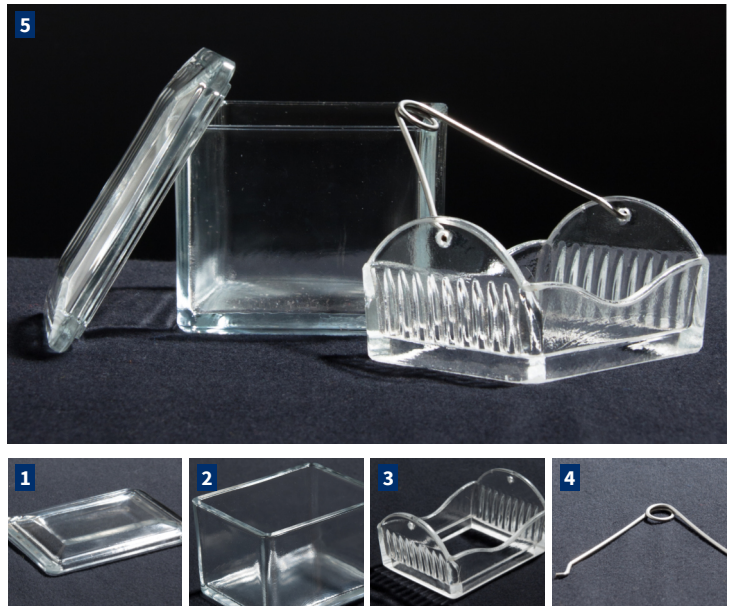
STAINING JAR • CUBETA PARA TINCIÓN • CUVE À COLORATION



| Ref.    | Feature • Característica • Caractéristique   | For slides | Pack Unit |
|---------|--|------------|-----------|
| 4430900 | <b>5</b> Complete<br>Completa<br>Complète  | 10         | 1         |
| 4430901 | <b>1</b> Cover<br>tapa<br>couvercle  | -          | 1         |
| 4430902 | <b>2</b> Dish<br>Base<br>Fond  | -          | 1         |
| 4430903 | <b>1 2</b> Cover and dish<br>Tapa y base<br>Couvercle et fond  | -          | 1         |
| 4430907 | <b>3</b> Glass tray<br>Cestillo<br>Support   | 10         | 1         |
| 4430905 | <b>4</b> Metal handle<br>Gancho de alambre<br>Tringle en acier   | -          | 1         |
| 4430904 | <b>3 4</b> Glass tray<br>Metal handle<br>Cestillo con gancho de alambre<br>Support avec tringle en acier | 10         | 1         |

SODA

STAINING JAR • CUBETA PARA TINCIÓN • CUVE À COLORATION



| Ref.     | Shape • Forma • Forme                                     | Size (mm)    | Pack Unit |
|----------|---|--------------|-----------|
| 4431102* | <b>1</b> Cylindrical<br>Cilíndrica<br>Cylindrique         | Ø 110x210    | 1         |
| 9095022  | <b>1</b> Cylindrical<br>Cilíndrica<br>Cylindrique         | Ø 125x210    | 1         |
| 9095034  | <b>2</b> Rectangular<br>Rectangular<br>À faces parallèles | Ø 100x40x50  | 1         |
| 4430600  | <b>2</b> Rectangular<br>Rectangular<br>À faces parallèles | Ø 140x70x45  | 1         |
| 4430601  | <b>2</b> Rectangular<br>Rectangular<br>À faces parallèles | Ø 200x100x50 | 1         |

SODA

STAINING TROUGH • CUBETA • CUVE

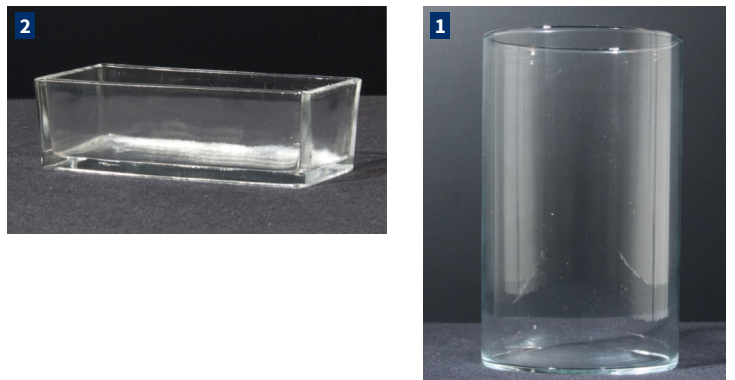
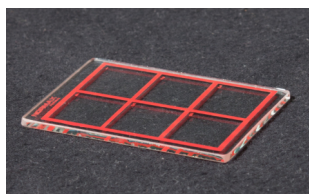


PLATE • PLATE • PLAQUE



12 blue printed rings Ø13-14 mm  
 12 anillos impresos en azul Ø13-14 mm  
 12 anneaux imprimées en bleu Ø13-14 mm

| Ref.    | Length x width (mm) | Pack unit |
|---------|---------------------|-----------|
| 9075005 | 76x52               | 10        |



6 divisions, red printing  
 6 divisiones, impresión roja  
 6 divisions, impression rouge

| Ref.    | Length x width (mm) | Pack unit |
|---------|---------------------|-----------|
| 9075001 | 77x54               | 1         |



8 cavities, approx. Ø16 mm  
 8 cavidades, aprox. Ø16 mm  
 8 cavités, env. Ø16 mm

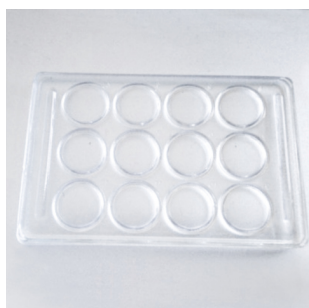
| Ref.    | Length x width (mm) | Pack unit |
|---------|---------------------|-----------|
| 4420511 | 110x70              | 1         |



12 cavities, approx. Ø16 mm x 1,5 mm depth  
 12 cavidades, aprox. Ø16 mm x 1,5 mm fondo  
 12 cavités, env. Ø16 mm x 1,5 mm profondeur

| Ref.    | Length x width (mm) | Pack unit |
|---------|---------------------|-----------|
| 4420207 | 80x60               | 1         |

MICROFLOCCULATION PLATE • PLACA MICROFLOCULACIÓN • PLAQUE DE MICROFLOCCULATION



12 cavities, overflow grooves  
 Approx. Ø15 mm x 1,5 mm depth  
 12 cavidades, con ranuras  
 Aprox. Ø15 mm x 1,5 mm fondo  
 12 cavités, rainures débordement  
 Env. Ø15 mm x 1,5 mm profondeur

| Ref.    | Length x width (mm) | Pack unit |
|---------|---------------------|-----------|
| 9095075 | 88x56               | 10        |

 **NORMAX**



**FILTRATION  
FILTRACIÓN  
FILTRATION**

**05**

## GAS WASH BOTTLE • FRASCO LAVADOR DE GASES • FLACON LAVEUR DE GAZ



Without porous plate, with standard ground joint. *Other sizes and shapes on request*

Sin placa porosa, con esmerilado  
*Otros tamaños y formas a pedido*

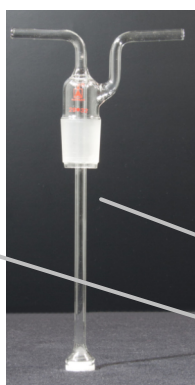
Sans plaque poreuse, avec rodage normalisé  
*D'autres tailles et formes sur demande*

SODA

NS  
29/32

| Ref.    | Cap. (ml) | Pack Unit |
|---------|-----------|-----------|
| 3480900 | 100       | 1         |
| 3481000 | 250       | 1         |
| 3481100 | 500       | 1         |
| 3678000 | head      | 1         |

## GAS WASH BOTTLE • FRASCO LAVADOR DE GASES • FLACON LAVEUR DE GAZ



With porous plate, with standard ground joint  
*Other sizes and shapes on request*

Con placa porosa, con esmerilado  
*Otros tamaños y formas a pedido*

Avec plaque poreuse, avec rodage normalisé  
*D'autres tailles et formes sous demande*

BORO  
3.3NS  
29/32

SODA

| Ref.     | Cap. (ml) | Porosity | Pack Unit |
|----------|-----------|----------|-----------|
| 357010X  | 100       | 1-4      | 1         |
| 357020X  | 250       | 1-4      | 1         |
| 357030X  | 500       | 1-4      | 1         |
| 3678000X | head      | 1-4      | 1         |

Replace "X" by the required porosity  
Substituir "X" por la porosidad deseada  
Remplacez "X" par la porosité souhaitée

## FILTER PUMP • TROMPA DE VACÍO • TROMPLE À EAU



Water flow: 300 L/h  
Water/pressure: 1,2 min

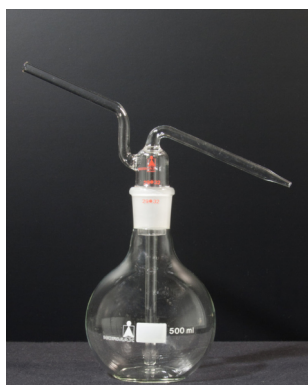
Consumo de agua: 300 L/h  
Presión (ATM): 1,2 min

Consommation d'eau: 300 L/h  
Pression (ATM): 1,2 min

BORO  
3.3

| Ref.    | Feature • Característica • Caractéristique                                  | Porosity | Pack Unit |
|---------|---|----------|-----------|
| 3436299 | With non-return valve<br>Con válvula retención<br>Avec valvule de retour    | 275      | 2         |
| 3436199 | Without non-return valve<br>Sin válvula retención<br>Sans valvule de retour | 275      | 2         |

## GAS WASH FLASK • MATRAZ LAVADOR DE GASES • BALLON LAVEUR DE GAZ



Standard ground neck

Cuello esmerilado

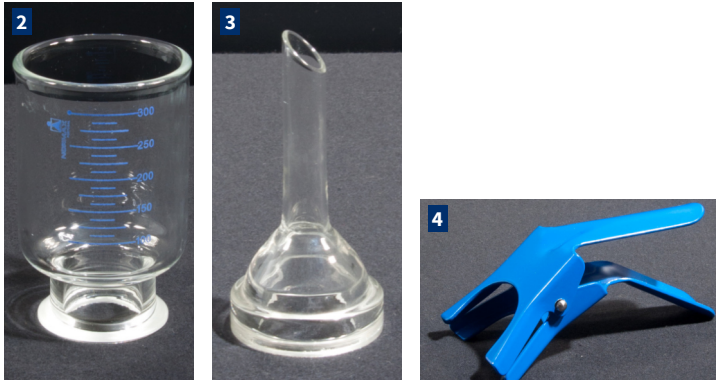
Rodages normalisés

BORO  
3.3NS  
29/32

| Ref.  | Cap. (ml) | Pack Unit |
|-------|-----------|-----------|
| 47501 | 500       | 1         |
| 47502 | 1000      | 1         |
| 47503 | 2000      | 1         |

| Ref.    | Feature • Característica • Caractéristique  | Pack Unit |
|---------|---|-----------|
| 9060001 | <b>1</b> Complete set<br>Conjunto completo<br>Ensemble complet                              | 1         |
| 9060027 | <b>2</b> Beaker graduated 300ml<br>Vaso graduado 300ml<br>Bécher gradué 300ml               | 1         |
| 9060028 | <b>3</b> Funnel, porous plate G3<br>Embudo, placa porosa G3<br>Entonnoir, plaque poreuse G3 | 1         |
| 6507003 | <b>4</b> Clamp<br>Pinza<br>Pince  | 1         |

FILTRATION SET • EQUIPO FILTRACIÓN • SYSTÈME DE FILTRATION



Look for lab equipment in our General Catalogue or at [www.normax.pt](http://www.normax.pt)  
 Busque equipos de laboratorio en nuestro Catálogo General o en [www.normax.pt](http://www.normax.pt)  
 Recherchez des équipements de laboratoire dans notre Catalogue Général ou sur [www.normax.pt](http://www.normax.pt)

| Ref.     | Cap. (ml) | Pack Unit |
|----------|-----------|-----------|
| 2120124N | 100       | 10        |
| 2120136N | 250       | 10        |
| 2120144N | 500       | 10        |
| 2120154N | 1000      | 10        |
| 2120163N | 2000      | 10        |

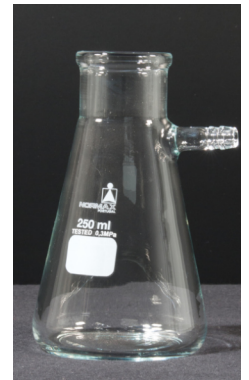
KITASATO FLASK • MATRAZ DE KITASATO • FIOLE KITASATO

With hose connection for vacuum use

Con tubuladura para vacío

Avec tubulure pour vide

**BORO 3.3** Retrace Code



| Ref.    | Cap. (ml) | Out. Ø x height (mm) | Pack Unit |
|---------|-----------|----------------------|-----------|
| 2119168 | 3000      | 170x295              | 10        |
| 2119173 | 5000      | 185x360              | 10        |
| 2119186 | 10000     | 240x420              | 10        |
| 2119188 | 15000     | 255x500              | 10        |
| 2119191 | 20000     | 290x535              | 10        |

KITASATO BOTTLE • FRASCO KITASATO • FLACON KITASATO

With hose connection for vacuum use

Con tubuladura para vacío

Avec tubulure pour vide

**BORO 3.3** Retrace Code



## FILTER CRUCIBLE • CRISOL FILTRANTE • CREUSET FILTRANT



Available in other sizes and specifications

Disponible en otros tamaños y especificaciones

Disponible avec autres tailles et spécifications

**BORO**  
3.3

| Ref.            | Cap. (ml) | Porosity | Identif. (D) | Plate Ø (mm) | Pack Unit |
|-----------------|-----------|----------|--------------|--------------|-----------|
| 258510 <b>X</b> | 8         | 0-5      | 63           | 20           | 10        |
| 258511 <b>X</b> | 15        | 0-5      | 10           | 23           | 10        |
| 258512 <b>X</b> | 30        | 0-5      | 1            | 30           | 10        |
| 258513 <b>X</b> | 50        | 0-5      | 2            | 40           | 10        |
| 9065115         | 30        | 2        | -            | 30           | 1         |

Replace "X" by the required porosity  
Substituir "X" por la porosidad deseada  
Remplacez "X" par la porosité souhaité

## RUBBER SLEEVE • JUNTA DE GOMA • MANCHON EN CAOUTCHOUC



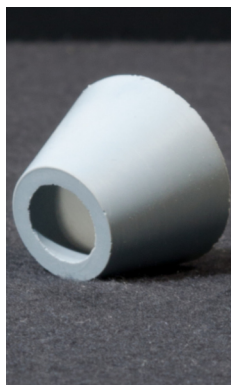
For filter crucible

Para crisol filtrante

Pour creuset filtrant

| Ref.    | Out. Ø (mm) | Adapter Ø (mm) | Pack Unit |
|---------|-------------|----------------|-----------|
| 2920114 | 26          | 27             | 1         |
| 2920126 | 41          | 41             | 1         |

## GUKO • GUKO • JOINT GUKO



Rubber

Goma

Caoutchouc

| Ref.     | Bottom Out. Ø (mm) | Top Out. Ø (mm) | Pack Unit |
|----------|--------------------|-----------------|-----------|
| 2920212  | 12                 | 22              | 10        |
| 2920217  | 16                 | 29              | 10        |
| 2920223  | 22                 | 36              | 10        |
| 2920227  | 29                 | 44              | 10        |
| 2920232  | 33                 | 53              | 10        |
| 2920236  | 43                 | 63              | 10        |
| 2920239  | 52                 | 73              | 10        |
| 2920243  | 61                 | 84              | 10        |
| 2920200* | 12-61              | 22-84           | 1         |

\*Guko set (8)

\*Juego guko de goma (8)

\*Série de 8 joints guko caoutchouc

## FUNNEL • EMBUDO • ENTONNOIR



Dropping, open top socket

De carga, con tubo obturador

De charge, avec tube d'obturation

**BORO**  
3.3

| Ref.  | Cap. (mm) | Male joint | Female joint |
|-------|-----------|------------|--------------|
| 43900 | 50        | 19/26      | 10/19        |

| Ref.      | Top Out. Ø (mm) | Glass    | Pack Unit |
|-----------|-----------------|----------|-----------|
| 3135120*  | 30              | Boro 3.3 | 100       |
| 3135123   | 35              | Boro 3.3 | 100       |
| 3135125A* | 40              | Boro 3.3 | 100       |
| 3135128   | 45              | Boro 3.3 | 100       |
| 3135130A* | 50              | Boro 3.3 | 100       |
| 3135133A  | 55              | Boro 3.3 | 100       |
| 3135137A* | 60              | Boro 3.3 | 75        |
| 3135138A  | 70              | Boro 3.3 | 80        |
| 3135140A* | 75              | Boro 3.3 | 60        |
| 3135141A  | 80              | Boro 3.3 | 30        |
| 3135143*  | 85              | Boro 3.3 | 40        |
| 3135146A  | 100             | Boro 3.3 | 20        |
| 3135147*  | 110             | Boro 3.3 | 10        |
| 3135148*  | 120             | Boro 3.3 | 15        |
| 3135157   | 150             | Boro 3.3 | 10        |
| 3135159*  | 180             | Soda     | 2         |
| 3135161   | 200             | Soda     | -         |
| 3135166   | 250             | Soda     | -         |
| 3135169*  | 300             | Soda     | -         |

\*Non-ISO

| Ref.    | Top Out. Ø (mm) | Pack Unit |
|---------|-----------------|-----------|
| 3135328 | 45              | 100       |
| 3135330 | 50              | 100       |
| 3135333 | 55              | 30        |
| 3135338 | 70              | 5         |
| 3135341 | 80              | 5         |
| 3135346 | 100             | 1         |

| Ref.     | Ø (mm) | NS    | Pack Unit |
|----------|--------|-------|-----------|
| 3135120J | 30     | 7/16  | 1         |
| 3135125J | 40     | 10/19 | 1         |
| 3135130J | 50     | 12/21 | 1         |
| 3135138J | 70     | 14/23 | 1         |
| 3135146J | 100    | 19/26 | 1         |
| 3135170J | 100    | 24/29 | 1         |
| 3135171J | 100    | 29/32 | 1         |

FUNNEL • EMBUDO • ENTONNOIR

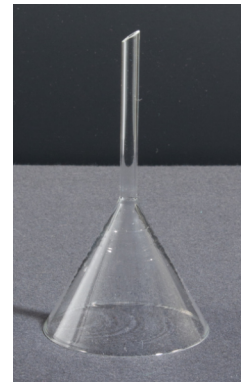
Short stem  
Available with porous plate and for powder

De rama corta  
Disponibile con placa porosa y para polvo

Tige courte  
Disponibile avec plaque poreuse et pour poudres

**BORO 3.3**

**ISO 4798**



FUNNEL • EMBUDO • ENTONNOIR

Long stem

De rama larga

Tige longue

**BORO 3.3**

**ISO 4798**



FUNNEL • EMBUDO • ENTONNOIR

Standard ground joint

Esmerilado

Avec rodage

**BORO 3.3**



## FUNNEL • EMBUDO • ENTONNOIR



Filtration, with porous plate

Filtración, con placa porosa

Filtration, avec plaque poreuse

**BORO**  
**3.3**

| Ref.    | Cap. (ml) | Porosity | Identif. (D) | Plate Ø (mm) | Pack Unit |
|---------|-----------|----------|--------------|--------------|-----------|
| 358520X | 50        | 1-4      | 3            | 35           | 10        |
| 358521X | 75        | 1-4      | 11           | 45           | 10        |
| 358522X | 125       | 1-4      | 17           | 60           | 10        |
| 358523X | 500       | 1-4      | 25           | 95           | 10        |
| 358524X | 1000      | 1-4      | 26           | 120          | 10        |
| 358526X | 4000      | 1-4      | 151          | 175          | 10        |

Replace "X" by the required porosity

Substituir "X" por la porosidad deseada

Remplacez "X" par la porosité souhaitée

## FUNNEL • EMBUDO • ENTONNOIR



Büchner

**BORO**  
**3.3**

| Ref.    | Cap. (ml) | Plate Ø (mm) | Stem Ø (mm) | Pack Unit |
|---------|-----------|--------------|-------------|-----------|
| 2134122 | 50        | 48           | 10          | 1         |
| 2134128 | 75        | 60           | 10          | 1         |
| 2134134 | 125       | 73           | 18          | 1         |
| 2134144 | 500       | 95           | 22          | 1         |
| 2134154 | 1000      | 120          | 22          | 1         |

Replace "X" by the required porosity

Substituir "X" por la porosidad deseada

Remplacez "X" par la porosité souhaitée

### Technical Information for the Porosity of Sintered Glass Plates

### Informaciones Técnicas para la Porosidad de Placas de Vidrio Sintorizado

### Informations techniques pour la porosité des plaques de verre fritté

→ PAGE 121



**BOTTLES  
FRASCOS  
FLACONS**

**06**



## LABORATORY BOTTLE • FRASCO DE LABORATORIO • FLACON DE LABORATOIRE



\*Blue screw cap, clear glass, autoclavable up to 140°C

\*Tapón de rosca azul, vidrio blanco, esterilizable hasta 140°C

\*Bouchon à vis bleu, verre transparent, autoclavable jusqu'à 140°C

**BORO**  
3.3

**ISO**  
4796

**Retrace**  
Code

\*Includes **pouring ring** for greater thermal and chemical resistance

\*Incluye **anillo de vertido** para una mayor resistencia térmica y química.

\*Comprend un **anneau verseur** pour une plus grande résistance thermique et chimique

| Ref.     | Cap. (ml) | GL | Pack Unit |
|----------|-----------|----|-----------|
| 21801145 | 25        | 25 | 10        |
| 21801175 | 50        | 32 | 10        |
| 21801245 | 100       | 45 | 10        |
| 21801365 | 250       | 45 | 10        |
| 21801445 | 500       | 45 | 10        |
| 21801545 | 1000      | 45 | 10        |
| 21801635 | 2000      | 45 | 10        |
| 21801735 | 5000      | 45 | 6         |
| 21801865 | 10000     | 45 | 1         |

## LABORATORY BOTTLE • FRASCO DE LABORATORIO • FLACON DE LABORATOIRE



Red screw cap, clear glass, autoclavable up to 180°C

Tapón de rosca rojo, vidrio blanco, esterilizable hasta 180°C

Bouchon à vis rouge, verre transparent, autoclavable jusqu'à 180°C

**BORO**  
3.3

**ISO**  
4796

**Retrace**  
Code

| Ref.     | Cap. (ml) | GL | Pack Unit |
|----------|-----------|----|-----------|
| 21802145 | 25        | 25 | 10        |
| 21802175 | 50        | 32 | 10        |
| 21802245 | 100       | 45 | 10        |
| 21802365 | 250       | 45 | 10        |
| 21802445 | 500       | 45 | 10        |
| 21802545 | 1000      | 45 | 10        |
| 21802635 | 2000      | 45 | 10        |
| 21802735 | 5000      | 45 | 6         |
| 21802865 | 10000     | 45 | 1         |

## LABORATORY BOTTLE • FRASCO DE LABORATORIO • FLACON DE LABORATOIRE



Blue screw cap, amber glass, autoclavable up to 140°C

Tapón de rosca azul, vidrio ámbar, esterilizable hasta 140°C

Bouchon à vis bleu, verre ambre, autoclavable jusqu'à 140°C

**BORO**  
3.3

**ISO**  
4796

**Retrace**  
Code

| Ref.     | Cap. (ml) | GL | Pack Unit |
|----------|-----------|----|-----------|
| 21804145 | 25        | 25 | 10        |
| 21804175 | 50        | 32 | 10        |
| 21804245 | 100       | 45 | 10        |
| 21804365 | 250       | 45 | 10        |
| 21804445 | 500       | 45 | 10        |
| 21804545 | 1000      | 45 | 10        |
| 21804635 | 2000      | 45 | 10        |
| 21804735 | 5000      | 45 | 6         |
| 21804865 | 10000     | 45 | 1         |



**Retrace code**  
**Código de rastreo**  
**Code de traçabilité**

**BOD BOTTLE • FRASCO DBO • FLACON DBO**

For incubating diluted samples of clean water, waste water, effluent water and polluted water during 5 day biochemical oxygen demand (BOD) test.

This test is used to determine the relative oxygen requirements of the tested sample.

Para la incubación de muestras de agua limpia, agua residual, agua efluente y contaminada durante el teste de 5 días de demanda biológica de oxígeno (DBO).

Este método pretende medir las necesidades relativas del oxígeno en la muestra en prueba.

Pour l'incubation des échantillons d'eau propre, eaux superficielles, eau usées et contaminées pendant l'essai des 5 jours pour la détermination de la demande biochimique en oxygène (DBO).

Cette méthode vise mesurer les besoins relatifs d'oxygène dans l'échantillon testé.

| Ref.    | Cap. (ml) | Pack Unit |
|---------|-----------|-----------|
| 9060067 | 300       | 1         |

→ Interchangeable stopper

**BORO**  
3.3

→ Tapón intercambiable

→ Bouchon Interchangeable

**BOD BOTTLE • FRASCO DBO • FLACON DBO**

| Ref.    | IMG | Cap. (ml) | GL    | Pack Unit |
|---------|-----|-----------|-------|-----------|
| 9060049 | A   | 292       | 24/29 | 1         |
| 9060066 | B   | 165       | 24/29 | 1         |

→ Interchangeable stopper

**BORO**  
3.3

→ Tapón intercambiable

→ Bouchon Interchangeable

**WINKLER BOTTLE • FRASCO WINKLER • FLACON WINKLER**

| Ref.    | Cap. (ml) | Glass | Pack Unit |
|---------|-----------|-------|-----------|
| 4471024 | 100       | clear | 1         |
| 4471036 | 250       | clear | 1         |
| 4471039 | 300       | clear | 1         |
| 4471136 | 250       | amber | 1         |

**SODA**

**CALIBRATED**



## REAGENT BOTTLE • FRASCO REACTIVO • FLACON À RÉACTIFS



With stopper, narrow neck, clear glass

Con tapón, boca estrecha, vidrio blanco

Avec bouchon, col étroit, verre transparent

SODA

| Ref.    | Cap. (ml) | NS    | Pack Unit |
|---------|-----------|-------|-----------|
| 4116517 | 50        | 12/21 | 1         |
| 4116524 | 100       | 14/23 | 1         |
| 4116536 | 250       | 19/26 | 1         |
| 4116544 | 500       | 24/29 | 1         |
| 4116554 | 1000      | 29/32 | 1         |

## REAGENT BOTTLE • FRASCO REACTIVO • FLACON À RÉACTIFS



With stopper, narrow neck, amber glass

Con tapón, boca estrecha, vidrio blanco

Avec bouchon, col étroit, verre transparent

SODA

| Ref.    | Cap. (ml) | NS    | Pack Unit |
|---------|-----------|-------|-----------|
| 4116817 | 50        | 12/21 | 1         |
| 4116824 | 100       | 14/23 | 1         |
| 4116836 | 250       | 19/26 | 1         |
| 4116844 | 500       | 24/29 | 1         |
| 4116854 | 1000      | 29/32 | 1         |

## REAGENT BOTTLE • FRASCO REACTIVO • FLACON À RÉACTIFS



With stopper, wide neck, clear glass

Con tapón, boca ancha, vidrio blanco

Avec bouchon, col large, verre transparent

SODA

| Ref.     | Cap. (ml) | NS    | Pack Unit |
|----------|-----------|-------|-----------|
| 41185171 | 50        | 19/26 | 1         |
| 41185241 | 100       | 24/29 | 1         |
| 41185361 | 250       | 34/35 | 1         |
| 41185441 | 500       | 45/40 | 1         |
| 41185541 | 1000      | 45/40 | 1         |

## REAGENT BOTTLE • FRASCO REACTIVO • FLACON À RÉACTIFS



With stopper, wide neck, amber glass

Con tapón, boca ancha, vidrio ámbar

Avec bouchon, col large, verre ambre

SODA

| Ref.     | Cap. (ml) | NS    | Pack Unit |
|----------|-----------|-------|-----------|
| 41188171 | 50        | 19/26 | 1         |
| 41188241 | 100       | 24/29 | 1         |
| 41188361 | 250       | 34/35 | 1         |
| 41188441 | 500       | 45/40 | 1         |
| 41188541 | 1000      | 45/40 | 1         |

| Ref.    | Cap. (ml) | Pack Unit |
|---------|-----------|-----------|
| 4040016 | 30        | 117       |
| 4040007 | 60        | 160       |
| 4040006 | 100       | 104       |
| 4040004 | 200       | 67        |
| 4040003 | 250       | 60        |
| 4040002 | 500       | 35        |
| 4040001 | 1000      | 20        |

## SCREW NECK BOTTLE • FRASCO CON ROSCA • FLACON À VIS

Amber glass

Vidrio ámbar

Verre ambre

SODA

PP 28



| Ref.    | Cap. (ml) | Pack Unit |
|---------|-----------|-----------|
| 4040014 | 60        | 7620      |
| 4040011 | 100       | 86        |
| 4040013 | 125       | 4160      |
| 4040008 | 250       | 60        |
| 4040009 | 500       | 1750      |
| 4040010 | 1000      | 480       |

## SCREW NECK BOTTLE • FRASCO CON ROSCA • FLACON À VIS

Clear glass

Vidrio blanco

Verre transparent

SODA

PP 28



| Ref.    | Cap. (ml) | Pack Unit |
|---------|-----------|-----------|
| 4040019 | 5         | 255       |
| 4040020 | 10        | 192       |
| 4040021 | 20        | 156       |
| 4040022 | 30        | 110       |
| 4040023 | 50        | 105       |
| 4040024 | 100       | 68        |

## SCREW NECK BOTTLE • FRASCO CON ROSCA • FLACON À VIS

Amber glass

Vidrio ámbar

Verre ambre

SODA

PP 18



| Ref.    | PP | Feature • Característica • Caractéristique |
|---------|----|--|
| 6508003 | 18 | With hole • con agujero • avec trou        |
| 6508004 | 18 | closed • cerrado • fermé                   |
| 6050006 | 28 | closed • cerrado • fermé                   |

## SCREW NECK BOTTLE • FRASCO CON ROSCA • FLACON À VIS

Tamper proof cap (PE), white

Tapón inviolable (PE), blanca

Bouchon inviolable (PE), blanc



## STANDARD GROUND JOINT BOTTLE • FRASCO CON TUBULADURA • FLACON À TUBULURE

BORO  
3.3AUTOCLAVABLE  
121°C

| Ref.    | Cap. (ml) | Feature • Característica • Caractéristique  | Pack unit |
|---------|-----------|---|-----------|
| 2470144 | 500       | With stopcock • con llave • avec robinet    | 4         |
| 2470154 | 1000      | With stopcock • con llave • avec robinet    | 1         |
| 2470163 | 2000      | With stopcock • con llave • avec robinet    | 1         |
| 2470400 | 5000      | With stopcock • con llave • avec robinet    | 1         |
| 2470500 | 10000     | With stopcock • con llave • avec robinet    | 1         |
| 2470501 | 15000     | With stopcock • con llave • avec robinet    | 1         |
| 2470700 | 20000     | With stopcock • con llave • avec robinet    | 1         |
| 2116273 | 5000      | Without stopcock • sin llave • sans robinet | 1         |
| 2116286 | 10000     | Without stopcock • sin llave • sans robinet | 1         |
| 2116291 | 20000     | Without stopcock • sin llave • sans robinet | 1         |

## DROPPING BOTTLE • FRASCO COENTAGOTAS • FLACON COMPTE-GOUTTES



Screw-cap, pipette and rubber sucker  
Available in clear glass

Con tapón de rosca, pipeta y tetina  
Disponible en vidrio transparente

Bouchon à vis, une pipette tétine en caoutchouc.  
Disponible en verre transparent

| Ref.    | Cap. (ml) | Pipette (mm) | Pack Unit |
|---------|-----------|--------------|-----------|
| 4121812 | 10        | 7,25x58      | 1         |
| 4121814 | 20        | 7x70         | 1         |
| 4121815 | 30        | 7x78         | 1         |
| 4121817 | 50        | 7x89         | 1         |
| 4121824 | 100       | 7x103        | 1         |

## DROPPING BOTTLE • FRASCO COENTAGOTAS • FLACON COMPTE-GOUTTES



Tamper proof cap  
Available in clear glass

Tapón de precinto  
Disponible en vidrio transparente

Bouchon inviolable  
Disponible en verre transparent

| Ref.    | Cap. (ml) | Pipette (mm) | Pack Unit |
|---------|-----------|--------------|-----------|
| 4121813 | 10        | 7x64         | 1         |
| 4121816 | 30        | 7x78         | 1         |
| 4121819 | 50        | 7x89         | 1         |
| 4121823 | 100       | 7x103        | 1         |

## DROPPING BOTTLE • FRASCO COENTAGOTAS • FLACON COMPTE-GOUTTES



Black rubber sucker

Tetina en goma preta

Tétine en caoutchouc noire

| Ref.     | Cap. (ml) | Pipette (mm) | Pack Unit |
|----------|-----------|--------------|-----------|
| 4121815P | 30        | 7x78         | 1         |
| 4121817P | 50        | 7x89         | 1         |
| 4121824P | 100       | 7x103        | 1         |



PHARMACEUTICAL INDUSTRY  
INDUSTRIA FARMACÉUTICA  
INDUSTRIE PHARMACEUTIQUE

07

## SNAP SEAL VIAL • VIALES PARA ENCAPSULAR • FLACON À INJECTABLE



Clear glass, hydrolytic class I

Vidrio blanco, clase hidrolítica I

Verre transparent, classe hydrolytique I

Neutral  
Glass

| Ref.    | Out.Ø x height (mm) | Pack Unit |
|---------|---------------------|-----------|
| 3401047 | 10,25 x 47,0        | 800       |
| 3401232 | 11,75 x 32,0        | 806       |
| 3401355 | 13,75 x 55,0        | 840       |
| 3401554 | 15,75 x 54,0        | 437       |
| 3401641 | 16,50 x 41,5        | 396       |
| 3401670 | 16,75 x 70,0        | 396       |
| 3402040 | 20,50 x 40,0        | 255       |
| 3402240 | 22,50 x 40,0        | 216       |
| 3402246 | 22,50 x 46,0        | 216       |
| 3402954 | 29,25 x 54,0        | 120       |
| 3402976 | 29,25 x 76,0        | 120       |
| 3402910 | 29,25 x 105,0       | 120       |

## VIAL • VIALES • FLACON



Amber glass, hydrolytic class II

Vidrio ámbar, clase hidrolítica II

Verre ambre, classe hydrolytique II

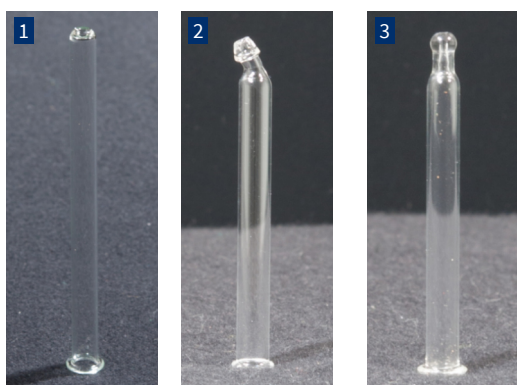
Neutral  
Glass

| Ref.     | Out.Ø x height (mm) | Pack Unit |
|----------|---------------------|-----------|
| 3402453B | 24,50x58            | 168       |
| 3402954B | 29,25x54            | 120       |
| 3401658  | 16,75x58            | 418       |
| 3402448  | 24,50x48            | 180       |
| 3402452  | 24,50x52            | 168       |

↓  
With screw neck • con rosca • à vis

Contact us for other sizes and specifications • Contáctenos para otros tamaños y especificaciones • Contactez-nous pour d'autres tailles et spécifications

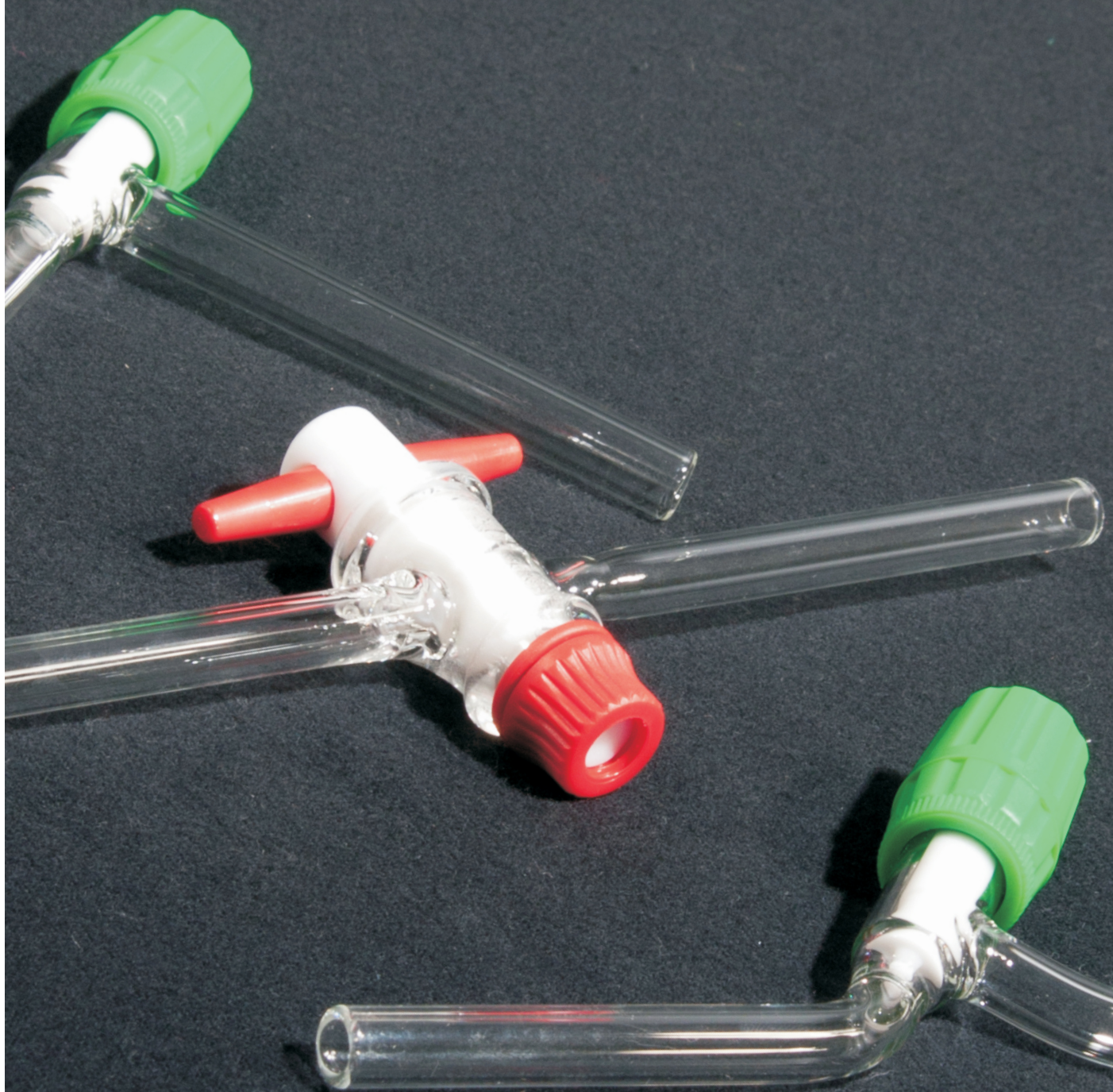
## DROPPING PIPETTE • PIPETA CUENTAGOTAS • PIPETTE COMPTE-GOUTTES

<sup>a</sup> Graduated • Graduado • Graduée<sup>b</sup> Neutral glass • Vidrio neutro • Verre neutre<sup>c</sup> Pipette curve • Pipeta curva • Pipette embout courbé

| Ref.                 | Feature • Característica • Caractéristique | Pipette (mm)                                | Pack Unit |
|----------------------|--|---|-----------|
| 5400958              | 1 Turned end • redondeado • bout arrondi   | 6,5 x 58                                    | 160       |
| 5400960              |  | 6,5 x 60                                    | 3500      |
| 5400770              |  | 7 x 70                                      | 4000      |
| 5400776              |  | 7 x 78                                      | 3000      |
| 5400911              |  | 7 x 89                                      | 1000      |
| 5400789 <sup>a</sup> |  | 7 x 89                                      | 2000      |
| 5400910              |  | 7 x 103                                     | 2500      |
| 5400536              |  | 5 x 36,5                                    | 10000     |
| 5400541              |  | 5,2 x 41                                    | 10000     |
| 5400643 <sup>b</sup> |  | 6,25 x 44,5                                 | 6000      |
| 5400665 <sup>b</sup> | 2 Curve • curva • bout courbé              | 6,25 x 63                                   | 4000      |
| 5400745              |  | 6,5 x 65                                    | 6000      |
| 5400764              |  | 6,5 x 45                                    | 4000      |
| 5400664              |  | 7 x 65                                      | 4000      |
| 5400750              |  | 7 x 50                                      | 4000      |
| 5400767              |  | 7 x 55                                      | 4000      |
| 5400760 <sup>c</sup> |  | 7 x 60                                      | 4000      |
| 5400766              |  | 7 x 63                                      | 3000      |
| 5400765              |  | 7 x 65                                      | 3000      |
| 5400777              |  | 3 With ball • con bole balón • bout à boule | 7 x 77    |
| 5400790              | 7 x 90                                     |   | 3000      |
| 5400711              | 7 x 110                                    |   | 3000      |
| 5400714              | 7 x 140                                    |   | 2400      |

Available with printing and other sizes or shapes on request  
 Disponible con impresión, otros tamaños o formas bajo pedido  
 Disponible avec impression et d'autres tailles ou formes sur demande

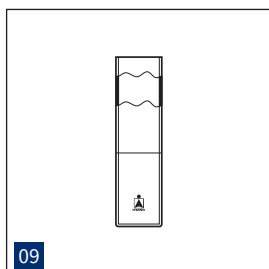
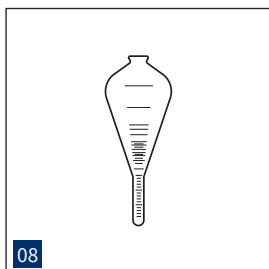
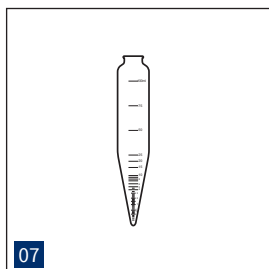
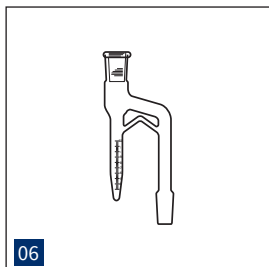
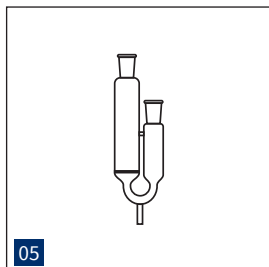
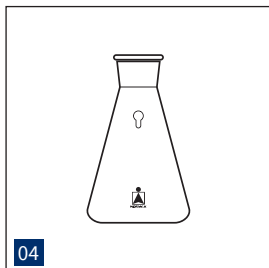
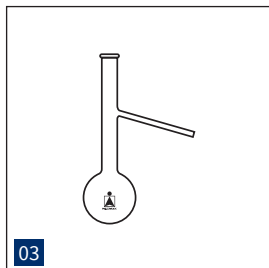
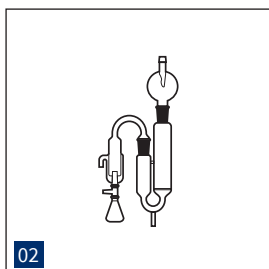
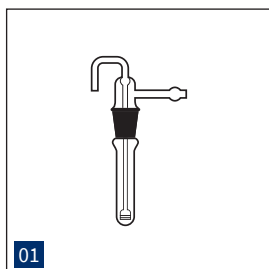
 **NORMAX**



**ASTM & GLASS PARTS  
ASTM Y ACCESORIOS DE VIDRIO  
ASTM ET ACCESSOIRES EN VERRE**

**08**

## ASTM • ASTM • ASTM



## 07 ASTM D1796

Centrifuge tube • De centrifuga • À centrifuger

| Ref.  | Cap. (ml) |
|-------|-----------|
| 63200 | 100       |

## 09 ASTM D 97 - Pour point jar

Congelation point tube • Tubo para punto congelación • Tube pour point de congélation

| Ref.  | Height. (mm) | Out. i (mm) |
|-------|--------------|-------------|
| 64700 | 115-125      | 30-33.5     |

## 01 Apparatus for filtration acc. ASTM D 721

For filter oil stick • Filtración de aceite • Pour filtration d'huile

| Ref.  | NS                                   | Feature • Característica • Caractéristique |
|-------|--------------------------------------|--|
| 535   | -                                    | Complete • Completo • Complet              |
| 53500 | 24/29<br>(socket • hembra • femelle) | Tube • Tubo • Tube                         |

## 02 Sulfur determination apparatus acc. ASTM D 1266

Combustion and absorption • Determinación de azufre en el petróleo • Détermination du soufre dans le pétrole

| Ref.  | NS            | Feature • Característica • Caractéristique           |
|-------|---------------|--|
| 534   | -             | Complete • Completo • Complet                        |
| 63500 | -             | Absorber • Absorbedores • Absorbours                 |
| 63600 | 24/29         | Trap • Ampollas de retención • Ampoules de rétention |
| 63800 | 14/23         | 25ml Erlenmeyer flask • Matraz • Ballon              |
| 63400 | 14/23   24/29 | Chimney • Chimenea • Cheminée                        |
| 63700 | 14/23         | 25 ml Burner • Quemadores • Brûleurs                 |

## 03 Engler flasks according to ASTM E 133

Engler flask • Matraz • Ballon

| Ref.  | Cap. (ml) | Extractor (mm) | Ø ext. neck (mm) | Ø ext. flask (mm) | Ø ext. hose (mm) |
|-------|-----------|----------------|------------------|-------------------|------------------|
| 61001 | 100       | 100x215        | 16               | 65                | 6                |
| 61002 | 125       | 100x215        | 17               | 68                | 7                |
| 61003 | 200       | 127x179        | 21               | 73                | 7                |
| 61004 | 250       | 100x215        | 15               | 86                | 6                |

## 04 Erlenmeyer flask ground joint according to ASTM E 1266

Flask ground joint • Matraz con esmerilado • Fiole rodé

| Ref.  | Cap. (ml) | NS    | ASTM   |
|-------|-----------|-------|--------|
| 63800 | 25        | 14/23 | D 1266 |

## 05 ASTM E 1266 - Absorber

Absorber • Absorbedor • Absorbant

| Ref.  | NS    |
|-------|-------|
| 63500 | 24/29 |

## 06 ASTM E 123 - Trap (style A)

Receiver tube • tubo recepción • tube réception

| Ref.  | Cap. (ml) | NS    |
|-------|-----------|-------|
| 64101 | 10        | 24/29 |
| 64102 | 25        | 24/29 |

## 08 ASTM D1796

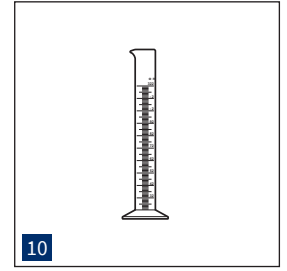
Centrifuge, pear shape • De centrifuga, forma pera • À centrifuger, forme de poire

| Ref.    | Cap. (ml) |
|---------|-----------|
| 9065082 | 100       |

**MEASURING CYLINDER • PROBETA GRADUADA • ÉPROUVETTE GRADUÉE**

**10** ASTM E 133  
With spout • Con pico • Avec bec

| Ref.  | Cap. (ml) |
|-------|-----------|
| 62014 | 25        |
| 62024 | 100       |
| 62034 | 200       |



**TRAP • AMPOLA • AMPOULE**

**11** ASTM D 1266  
With ground • Retención • Retention

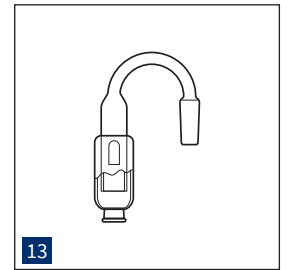
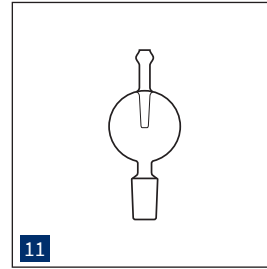
| Ref.  | l (mm) | NS    |
|-------|--------|-------|
| 63600 | 65     | 24/29 |

**12** ASTM D 524  
Bulb • Ampolla • Ampoule

| Ref.  | l (mm) | Height (mm) |
|-------|--------|-------------|
| 62500 | 24-25  | 56-58       |

**13** ASTM D 1266  
Chimney • Chimenea • Cheminée

| Ref.  | NS (socket • embra • femelle) | NS (socket • embra • femelle) |
|-------|-------------------------------|-------------------------------|
| 63400 | 14/23                         | 24/29                         |



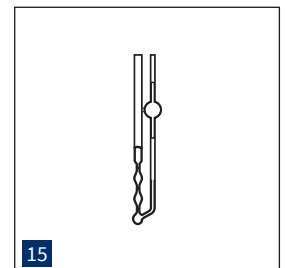
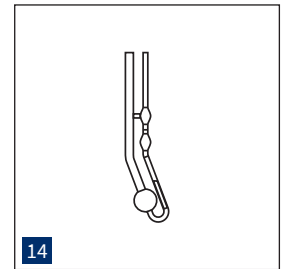
**VISCOSÍMETER • VISCOSÍMETRO • VISCOSIMÈTRE**

**14** Cannon-Fenske ASTM D 445 + ASTM D 446  
For liquids • Para líquidos • Pour liquides

| Ref.     | Cap. (ml) | Out.Ø x height (mm) | Viscosity range in cSt |
|----------|-----------|---------------------|------------------------|
| S5600050 | 25        | 0,002               | 0,4-1,6                |
| S5600051 | 50        | 0,004               | 0,8-3,2                |
| S5600052 | 75        | 0,008               | 1,6-6,4                |
| S5600053 | 100       | 0,015               | 3-15                   |
| S5600054 | 150       | 0,035               | 7-35                   |
| S5600055 | 200       | 0,1                 | 20-100                 |
| S5600056 | 300       | 0,25                | 50-200                 |
| S5600057 | 350       | 0,5                 | 100-500                |
| S5600058 | 400       | 1,2                 | 240-1200               |
| S5600059 | 450       | 2,5                 | 500-2500               |
| S5600060 | 500       | 8                   | 1600-8000              |
| S5600061 | 600       | 20                  | 4000-20000             |

**15** Cannon-Fenske ASTM D 445 + ASTM D 446  
For liquids opaque • Para líquidos opacos • Pour liquides opaques

| Ref.     | Size (mm) | Nominal Constant | Viscosity range in cSt |
|----------|-----------|------------------|------------------------|
| S5600065 | 25        | 25               | 0,4-1,6                |
| S5600066 | 50        | 50               | 0,8-3,2                |
| S5600067 | 75        | 75               | 1,6-6,4                |
| S5600068 | 100       | 100              | 3-15                   |
| S5600069 | 150       | 150              | 7-35                   |
| S5600070 | 200       | 200              | 20-100                 |
| S5600071 | 300       | 300              | 50-200                 |
| S5600072 | 350       | 350              | 100-500                |
| S5600073 | 400       | 400              | 240-1200               |
| S5600074 | 450       | 450              | 500-2500               |
| S5600075 | 500       | 500              | 1600-8000              |
| S5600076 | 600       | 600              | 4000-20000             |



## APPARATUS • EQUIPO • APPAREIL

## 16 APPARATUS FOR THE DETECTION OF TRICHINELLA BY DIGESTION

Apparatus for the detection of Trichinella by digestion • Equipo digestor para detección de Triquina • Appareil de digestion pour détection de Trichinella

| Ref.          | Composition • Composición • Composition   |
|---------------|---|
| NX10000-01205 | Digital magnetic stirrer with heating Normax<br>Agitador magnético digital con calefacción Normax<br>Agitateur magnétique digital avec chauffage Normax   |
| CD03649       | Separating funnel conical shape 2000 ml with PTFE key<br>Embudo forma conica 2000 ml con llave PTFE<br>Entonnir de forme conique 2000 ml avec clé en PTFE   |
| CD03819       | Separating funnel cylindrical shape grad., PTFE key 50 ml<br>Embudo forma cilíndrica graduado, llave PTFE 50 ml<br>Entonnir cylindrique gradué, clé en PTFE 50 ml   |
| S6022610      | Retort stand, 160x250mm, Rod stainless steel 600x10 mm<br>Soporte, pie plato 160x250 mm, varilla inox, varilla de acero inoxidable 600x10 mm<br>Support, plan plat 160x250 mm, tige en acier inoxydable de 600x10 mm  |
| S7005010      | Open ring bosshead support galvanised steel 100 mm<br>Aro con nuez abierto 100 mm acero zincado<br>Bague avec écrou ouvert 100 mm en acier zingué   |
| S7000141      | Swivel clamp with double PVC lined jaws. Ø 12 to 45 mm<br>Pinza con nuez, giratoria, en metal cromado y puntas plastificadas en PVC. Ø 12 to 45 mm<br>Pince à écrou, pivotante, en métal chromé et embout plastifié en PVC. Ø 12 to 45 mm                       |
| 719764        | Cylindrical stirring bar 8x40 mm<br>Varilla agitadora cilíndrica 8x40 mm<br>Barre d'agitation cylindrique 8x40 mm   |
| CD00255       | Stirring glass rod 6x250 mm<br>Varilla de vidrio 6x250 mm<br>Baguette de verre 6x250 mm   |
| FV100180052   | Sieve stainless steel 100x52 mm, 180 um<br>Tamiz de acero inoxidable 100x52 mm, 180 um<br>Tamis en acier inoxydable 100x52 mm, 180 um   |
| 2110668N      | Beaker low form boro 3.3 glass, 3000 ml<br>Vaso forma baja vidrio boro 3.3, 3000 ml<br>Bécher forme basse, low boro glass 3.3, 3000 ml  |
| 5149614       | Measuring Cylinder blue printing, class A, Normax 25 ml<br>Probeta, graduación azul, clase A Normax 25 ml<br>Éprouvette, graduation bleue, classe A Normax 25 ml  |
| 5454334       | Grad. Pipette, total delivery, blue printing, zero at the top, class A, Pipeta graduada, terminal cero arriba, impresión azul, clase A, divis. 0,1 ml, cap 25 ml<br>Pipette graduée, écoulement total, zéro en haut, impression bleue, classe A, divis, 0,1 ml, |
| 7W-120        | Pipette pump up to 25 ml red<br>Aspirador pipetas 25 ml, rojo<br>Aspirateur à pipette 25 ml, rouge  |
| 7200208       | Rodac contact plate (aseptic)<br>Placa de contacto Rodac (no esteril)<br>Plaque de contact du rouleau (non stérile)   |
| 8AC07672500   | Hydrochloric Acid, Solution 25%, Reagent Grade, 2,5 Lt<br>Ácido clorhídrico, 25%, para análisis, 2,5 L<br>Acide chlorhydrique, 25%, pour analyse, 2,5 L   |
| 8PE01251000   | Pepsin NF 1: 10,000 1000g<br>Pepsina NF 1: 10,000 1000g<br>Pepsin NF 1: 10 000 1000g  |



**17 NORMAX Water Still**

Water Still • Destilador de agua • Distillateur d'eau

**Model L304**

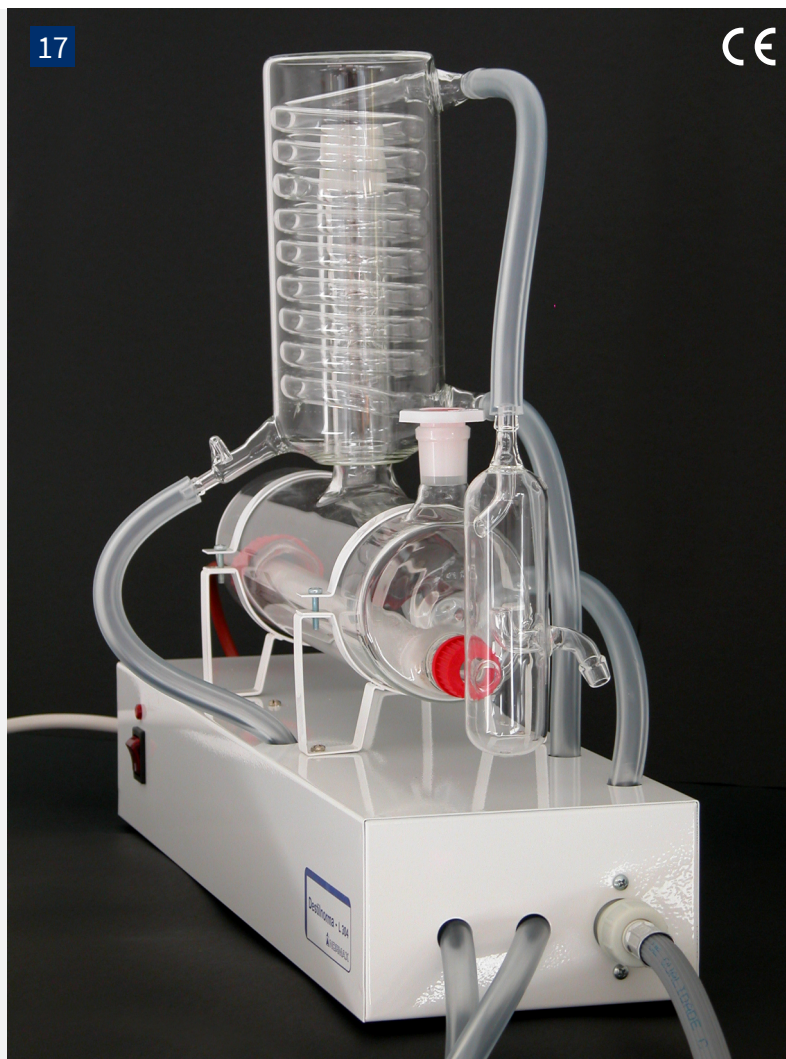
- Distillate output 4 litre/hour
- Automatic control system
- Quartz heater
- Boro glass parts
- Easy maintenance
- EU directive compliant

**Modelo L304**

- Capacidad de destilado 4 litros/hora
- Sistema de control automático
- Resistencia en Cuarzo
- Componentes de vidrio boro
- Fácil mantenimiento
- De acuerdo a la Directiva UE

**Modèle L304**

- Capacité d'eau distillée 4 litres/heure
- Système de contrôle automatique
- Résistance en Quartz
- Composants verre boro
- Facile de maintenir
- Conformément à la directive UE

**General data • Características generales • Caractéristiques générales**

W. x L. x H. • Ancho x Largo x Altura • Larg. x Long x Hauteur 600 x 175 x 460 mm  
Weight • Peso • Poids ~7,9kg

**Distilled water quality • Calidad del agua destilado • Qualité de l'eau distillée**

pH • pH • pH 5,50 - 6,60  
Conductivity • Conductividad • Conductivité 1-5  
Pyrogen free • Libre de bacterias • Apyrogène yes  
Temperature • Temperatura • Température 25°C - 30°C

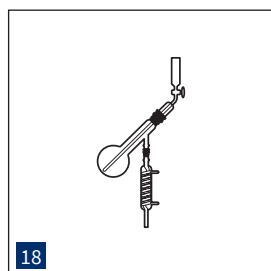
**Required conditions • Condiciones requeridas • Conditions requises**

Power • Potencia • Puissance 2,6 kW  
Electrical data • Energia • Voltage 200/240V ~56-60hz 16A  
Water pressure • Presión de agua • Pression de l'eau 1,5 kg/cm2  
Cold water • Agua fria • Eau froide 1 L/min.

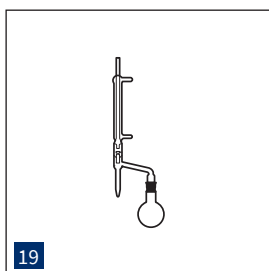
**Ref.**

520

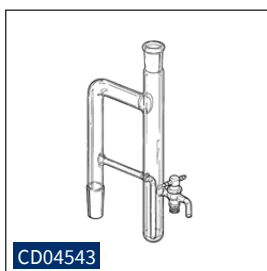




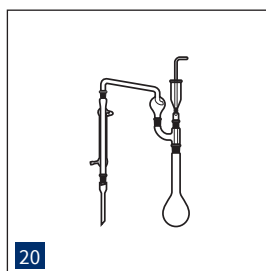
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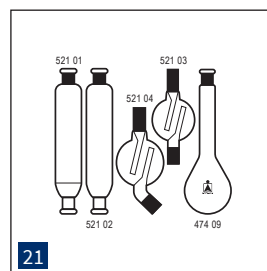
19



CD04543



20



21

**18 Arsenic determination in metals acc. to Ledebur**

Arsenic determination • Determinación de arsénico • Détermination de l'arsenic

| Ref.  | Cap. (ml) | Size (mm) | NS            | Feature   |
|-------|-----------|-----------|---------------|---|
| 531   | -         | -         | -             | Complete • Completo • Complet   |
| 53101 | 500       | -         | 29/32   19/26 | Round bottom flask • Matraz de fondo redondo • ballon à fond rond                           |
| 53100 | -         | -         | 29/32         | Receiver tube with stopcock • tubo receptor con llave de paso • tube récepteur avec robinet |
| 48200 | -         | 200       | 19/26         | Coil condenser • condensador de bobina • condenseur de bobine                               |

**19 Arsenic determination in metals acc. to Dean-Stark**

Arsenic determination • Determinación de arsénico • Détermination de l'arsenic

| Ref.  | Cap. (ml) | Size (mm) | NS    | Feature   |
|-------|-----------|-----------|-------|---|
| 530   | -         | -         | -     | Complete • Completo • Complet                                     |
| 46816 | 500       | -         | 24/29 | Round bottom flask • Matraz de fondo redondo • Ballon à fond rond |
| 47308 | -         | 200       | 24/29 | Liebig - condenser • Condensador • Condenseur                     |
| 64302 | 10-25     | -         | 24/29 | Receiver tube   |

**CD04543 Modified Dean-Stark apparatus**

Distilling receiver • Destilación receptor • Récepteur de distillation

| Ref.    | Cap. (ml) | Size (mm) | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|---------|-----------|-----------|----------------------------------|-----------------------------|
| CD04543 | 50        | 200       | 14/23                            | 29/32                       |

**20 Nitrogen determination acc. to Kjeldahl**

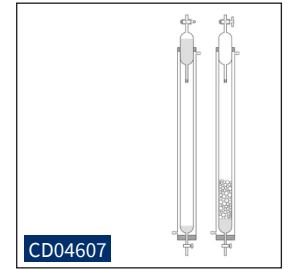
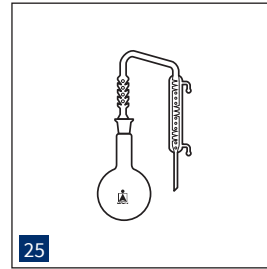
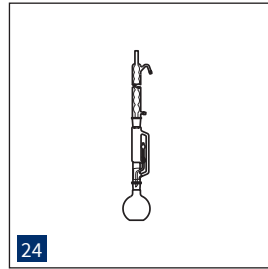
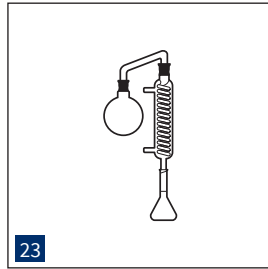
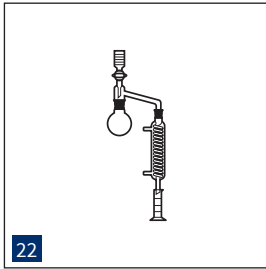
Nitrogen determination • Determinación de nitrógeno • Détermination de l'azote

| Ref.  | Cap. (ml) | Size (mm) | NS            | Feature   |
|-------|-----------|-----------|---------------|---|
| 517   | -         | -         | -             | Complete • Completo • Complet   |
| 40204 | -         | -         | 19/26   24/29 | Multiple adapter • Adaptador múltiple • Adaptateur multiple   |
| 41302 | -         | -         | 19/26         | Straight delivery adapter • Adaptador de destilación • Adaptateur de distillation   |
| 42801 | 500       | -         | 19/26         | Splash head • Ampolla largo de degradación • Longue ampoule de déclassement   |
| 47405 | 50        | -         | 19/26         | Kjeldahl flask • Matraz • ballon  |
| 43900 | -         | -         | 24/29         | Dropping funnel with open top socket • Embudo de goteo con toma superior abierta • entonnoir à robinet ouvert avec douille supérieure |
| 48603 | -         | 200       | 19/26         | Liebig - Condenser • Condensador • Condentseur  |

**21 Nitrogen determination, spare parts**

Nitrogen determination, spare part • determinación de nitrógeno componentes • dosage de l'azote, composants

| Ref.  | Cap. (ml) | NS    | Feature   |
|-------|-----------|-------|---|
| 52101 | -         | 19/26 | Cylindrical ampoule with sintered glass-disc • ampolla cilíndrica con placa porosa • ampoule cylindrique avec plaque poreuse    |
| 52102 | -         | 19/26 | Cylindrical ampoule without sintered glass-disc • ampolla cilíndrica sin placa porosa • ampoule cylindrique sans plaque poreuse |
| 52104 | -         | 19/26 | 45° spherical ampoule • ampolla esférica 45° • 45° ampoule sphérique  |
| 52103 | -         | 19/26 | Straight spherical ampoule • ampolla esférica derecha • ampoule sphérique droite  |
| 47409 | 500       | 19/26 | Kjeldahl - flask • matraz • fiole   |



**22 Assembly for wine volatile acidity determination**

For wine volatile acidity determination • para determinación de la acidez volátil en vinõs • pour détermination d'acidité volatile dans les vins

| Ref.  | Cap. (ml) | NS    | Feature  |
|-------|-----------|-------|--|
| 533   | -         | -     | Complete • Completo • Complet  |
| 46806 | 50        | 14/23 | Flask round bottom • matraz fondo redondo • ballon fond rond               |
| 53301 | 24        | -     | Acidimeter measuring cylinder • acidimeter probeta • acidimeter éprouvette |
| 48202 | 100       | 14/23 | condenser • condensador • condenseur                                       |
| 5330  | 24        | 14/23 | Receiver tube • tubo receptor • tubo récepteur                             |

**23 Assembly for wine alcohol degree determination by distillation**

Distilling for wine alcohol degree determination • determinación de la acidez volátil en vinõs • pour détermination d'acidité volatile dans les vins

| Ref.    | Capacity (ml) | Size (mm) | NS    | Feature  |
|---------|---------------|-----------|-------|--|
| 532     | -             | -         | -     | Complete • Completo • Complet                                |
| 9065170 | -             | 250       | 29/32 | Receiver bends • Doble code • Adaptateur coude               |
| 46820   | 1000          | -         | 29/32 | Round bottom flask • Matraz fondo redondo • Ballon fond rond |
| 3168732 | 200           | -         | -     | Volumetric flask • Matraz aforado • Ballobo jaugée           |
| 9065096 | -             | 200       | 29/32 | Coil condenser • Refrigerante • Réfrigérant                  |

**24 Soxhlet - flat bottom flask and Allihn condenser**

Flat bottom flask and Allihn condenser • matraz de fondo plano y condensador Allihn • ballon à fond plat et réfrigérant Allihn

| Ref.  | Flask (ml) | Extractor (ml) | Flask joint | Condenser Joint |
|-------|------------|----------------|-------------|-----------------|
| 52801 | 100        | 20             | 29/32       | 29/32           |
| 52810 | 100        | 30             | 29/32       | 29/32           |
| 52802 | 100        | 50             | 29/32       | 34/35           |
| 52812 | 100        | 60             | 29/32       | 45/40           |
| 52809 | 250        | 100            | 29/32       | 45/40           |
| 52803 | 250        | 125            | 29/32       | 45/40           |
| 52804 | 250        | 150            | 29/32       | 45/40           |
| 52811 | 500        | 200            | 29/32       | 45/40           |
| 52805 | 500        | 250            | 29/32       | 55/50           |
| 52806 | 1000       | 500            | 29/32       | 55/50           |
| 52807 | 2000       | 1000           | 29/32       | 70/50           |
| 52808 | 2000       | 2000           | 29/32       | 70/50           |

**25 Vigreux**

Distiller • Distilador • Distillateur

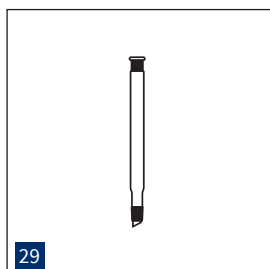
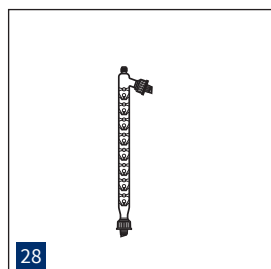
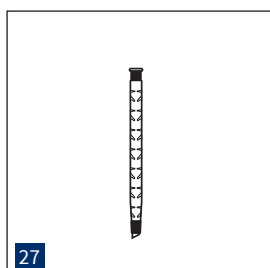
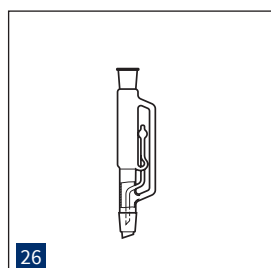
| Ref.  | Joint | Feature                                |
|-------|-------|--|
| 519   | -     | Complete • Completo • Complet          |
| 51901 | 29/32 | Flask • Matraz • Ballon                |
| 51902 | 29/32 | Condenser • Refrigerante • Réfrigérant |

**CD04607 Standard Test Method for Foaming Properties of Surface-Active Agents - ASTM D1173**

Splash head • Ampola • Ampoule

| Ref.    | Capacity (ml) |
|---------|---------------|
| CD04607 | 200           |

## COLUMNS AND CONDENSERS • COLUMNA E REFRIGERANTE • COLONNE ET RÉFRIGÉRANT

**26** Soxhlet

extractor • extractor • extracteur

| Ref.  | Extractor (ml) | NS (socket • embra • femelle) | NS (cone • macho • mâle) |
|-------|----------------|-------------------------------|--------------------------|
| 47210 | 20             | 29/32                         | 29/32                    |
| 47201 | 30             | 29/32                         | 29/32                    |
| 47202 | 50             | 34/35                         | 29/32                    |
| 47211 | 60             | 34/35                         | 29/32                    |
| 47212 | 100            | 45/40                         | 29/32                    |
| 47203 | 125            | 45/40                         | 29/32                    |
| 47208 | 150            | 45/40                         | 29/32                    |
| 47209 | 200            | 45/40                         | 29/32                    |
| 47204 | 250            | 45/40                         | 29/32                    |
| 47205 | 500            | 55/40                         | 29/32                    |
| 47506 | 1000           | 70/50                         | 29/32                    |
| 47207 | 2000           | 70/50                         | 29/32                    |

**27** Vigreux

Column • Columna • Colonne

| Ref.  | NS    | Length (mm) |
|-------|-------|-------------|
| 49201 | 24/29 | 360         |
| 49202 | 24/29 | 600         |
| 49203 | 29/32 | 360         |
| 49204 | 14/23 | 200         |
| 49205 | 14/23 | 300         |
| 49206 | 24/29 | 300         |
| 49207 | 24/29 | 400         |
| 49208 | 29/32 | 400         |
| 49210 | 29/32 | 600         |
| 49211 | 24/29 | 800         |
| 49212 | 29/32 | 800         |

**28** Vigreux

Ground and screwthreaded joint • con rosca y esmerilado • rodé et à vis

| Ref.    | Length (mm) |
|---------|-------------|
| 9165002 | 200         |

**29** Vigreux

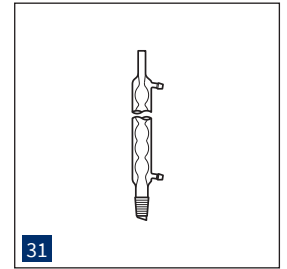
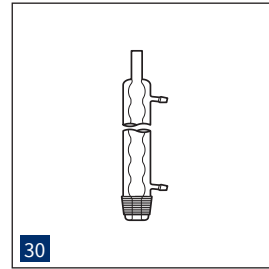
plain • recta • droite

| Ref.  | NS    | Length (mm) |
|-------|-------|-------------|
| 49501 | 24/29 | 320         |
| 49502 | 24/29 | 570         |
| 49503 | 29/32 | 570         |
| 49504 | 24/29 | 820         |
| 49505 | 34/35 | 350         |
| 49506 | 34/35 | 600         |

**30 Allihn**

Condenser • Refrigerante • Réfrigérant

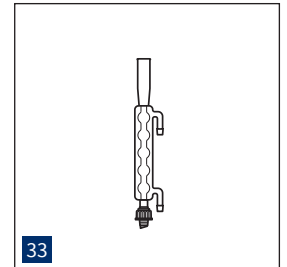
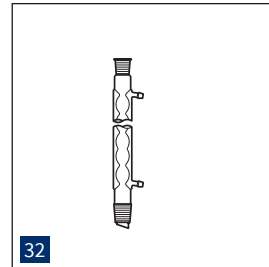
| Ref.  | Extractor (ml) | NS    |
|-------|----------------|-------|
| 49908 | 200            | 29/32 |
| 49904 | 200            | 34/35 |
| 49905 | 250            | 45/40 |
| 49906 | 210            | 55/50 |
| 49907 | 200            | 70/50 |



**31 Allihn**

1 ground joint • 1 esmerilado • à boule, 1 rodage

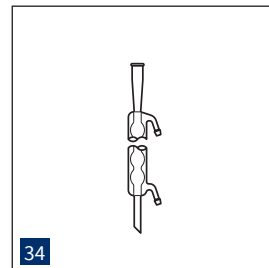
| Ref.  | Length (mm) | NS    |
|-------|-------------|-------|
| 49001 | 200         | 19/26 |
| 49002 | 200         | 24/29 |
| 49003 | 200         | 29/32 |
| 49004 | 160         | 19/26 |
| 49005 | 250         | 19/26 |
| 49006 | 250         | 24/29 |
| 49007 | 300         | 24/29 |
| 49008 | 300         | 29/32 |
| 49009 | 400         | 29/32 |



**32 Allihn - 2 ground joints**

2 ground joint • 2 esmerilados • à boule, 2 rodages

| Ref.  | Length (mm) | NS    |
|-------|-------------|-------|
| 49106 | 160         | 14/23 |
| 49107 | 160         | 19/26 |
| 49101 | 200         | 19/26 |
| 49108 | 250         | 19/26 |
| 49102 | 300         | 19/26 |
| 49103 | 300         | 24/29 |
| 49104 | 300         | 29/32 |
| 49105 | 400         | 29/32 |
| 49109 | 400         | 29/32 |



**33 Allihn - ball, ground and screwthreaded joint**

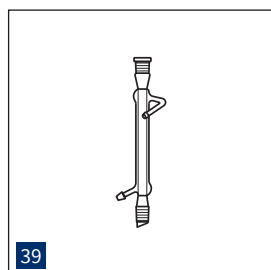
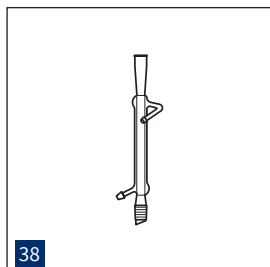
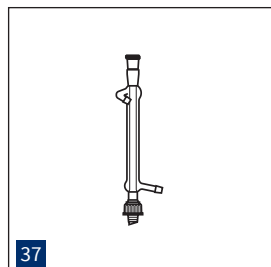
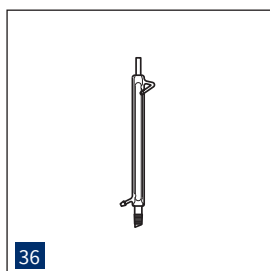
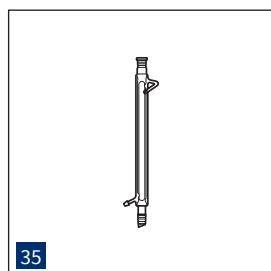
Ball, ground and screwthreaded joint • de bolas, esmerilado y rosca • à boule, rodé et à vis

| Ref.    | Length (mm) |
|---------|-------------|
| 9165006 | 200         |

**34 Allihn - without ground joint**

Without ground joint • sin esmerilado • à boule, sans rodage

| Ref.  | Length (mm) |
|-------|-------------|
| 46704 | 160         |
| 46701 | 200         |
| 46705 | 250         |
| 46702 | 300         |
| 46703 | 400         |

**35 Davies**

2 ground joints • 2 esmerilados • à boule, 2 rodages

| Ref.    | Length (mm) | NS    |
|---------|-------------|-------|
| 48701   | 100         | 10/19 |
| 48702   | 150         | 14/23 |
| 48703   | 150         | 24/29 |
| 48704   | 150         | 19/26 |
| 48705   | 200         | 24/29 |
| 48706   | 200         | 29/32 |
| 48707   | 200         | 19/26 |
| 9065108 | 220         | 19/26 |
| 48709   | 300         | 19/26 |
| 48710   | 400         | 24/29 |
| 48708   | 500         | 34/35 |

**36 Davies**

1 ground joint • 1 esmerilado • à boule, 1 rodage

| Ref.  | Length (mm) | NS    |
|-------|-------------|-------|
| 48801 | 200         | 40/45 |
| 48802 | 200         | 45/50 |
| 48803 | 200         | 50/45 |

**37 Liebig**

Ground and screwthreaded joint with straight end • rosca y esmerilado derecho • rodé et vissé droit

| Ref.    | Length (mm) |
|---------|-------------|
| 9165000 | 200         |

**38 Liebig - 1 ground joint**

1 ground joint • 1 esmerilado • à boule, 1 rodage

| Ref.  | Length (mm) | NS<br>(cone • macho • mâle) |
|-------|-------------|-----------------------------|
| 47306 | 150         | 19/26                       |
| 47307 | 200         | 19/26                       |
| 47308 | 200         | 24/29                       |
| 47309 | 250         | 24/29                       |
| 47310 | 250         | 29/32                       |
| 47311 | 300         | 24/29                       |
| 47312 | 300         | 29/32                       |
| 47313 | 400         | 24/29                       |
| 47314 | 400         | 29/32                       |
| 48710 | 400         | 24/29                       |
| 48708 | 500         | 34/35                       |

**39 Liebig - 2 ground joint**

2 ground joint • 2 esmerilado • à boule, 2 rodages

| Ref.  | Length (mm) | NS<br>(cone • macho • mâle) |
|-------|-------------|-----------------------------|
| 48601 | 150         | 10/19                       |
| 48602 | 150         | 14/23                       |
| 48603 | 200         | 19/26                       |
| 48604 | 200         | 24/29                       |
| 48609 | 250         | 19/26                       |
| 48610 | 250         | 24/29                       |
| 48605 | 400         | 19/26                       |
| 48606 | 400         | 24/29                       |
| 48607 | 400         | 29/32                       |
| 48608 | 500         | 34/35                       |

**40 Liebig - without ground joint**

without ground joint • sin esmerilado • sans rodage

| Ref.  | Length (mm) |
|-------|-------------|
| 47304 | 150         |
| 47301 | 200         |
| 47305 | 250         |
| 47302 | 300         |
| 47303 | 400         |

**41 Dimroth**

Coil, 2 ground joints • 2 esmerilados • 2 rodages

| Ref.  | Length (mm) | NS<br>(cone • macho • mâle) |
|-------|-------------|-----------------------------|
| 48906 | 160         | 14/23                       |
| 48907 | 160         | 19/26                       |
| 48908 | 160         | 29/32                       |
| 48909 | 200         | 14/23                       |
| 48901 | 200         | 19/26                       |
| 48902 | 200         | 24/29                       |
| 48910 | 300         | 14/23                       |
| 48911 | 300         | 19/26                       |
| 48912 | 300         | 29/32                       |
| 48913 | 400         | 24/29                       |
| 48903 | 400         | 29/32                       |
| 48904 | 500         | 29/32                       |
| 48905 | 500         | 45/40                       |

**42 Dimroth**

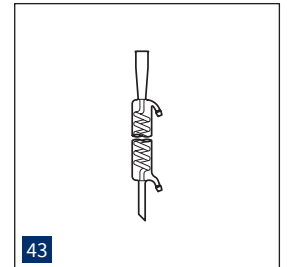
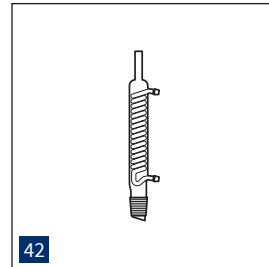
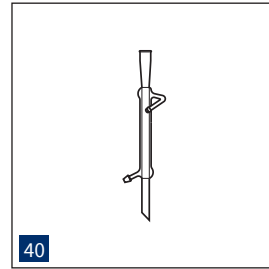
Coil, 1 ground joint • serpentina, 1 esmerilado • serpentin, 1 rodage

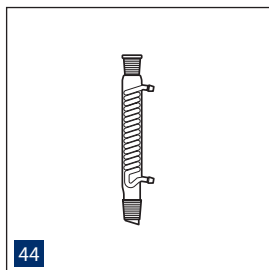
| Ref.  | Length (mm) | NS    |
|-------|-------------|-------|
| 48401 | 150         | 29/32 |
| 48402 | 150         | 34/35 |
| 48404 | 200         | 14/23 |
| 48403 | 200         | 45/40 |
| 48405 | 250         | 29/23 |
| 48406 | 250         | 34/35 |
| 48407 | 250         | 45/40 |
| 48408 | 300         | 14/23 |
| 48409 | 300         | 29/32 |
| 48410 | 300         | 45/40 |
| 48411 | 400         | 29/32 |

**43 Dimroth**

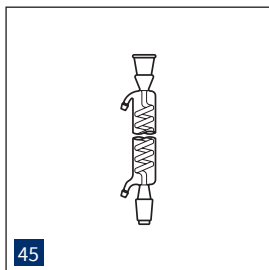
Coil, without ground joint • serpentina, sin esmerilado • serpentin, sans rodage

| Ref.  | Length (mm) |
|-------|-------------|
| 45300 | 160         |
| 45301 | 200         |
| 45303 | 250         |
| 45302 | 300         |
| 45304 | 400         |

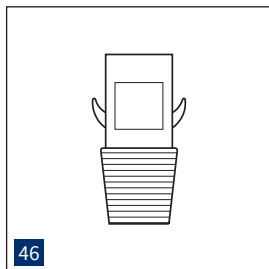




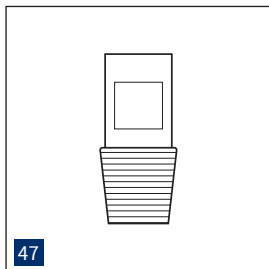
44



45



46



47

**44 Graham**

Coil, 2 ground joints • serpentina, 2 esmerilados • serpentín, 2 rodages

| Ref.  | Extractor (ml) | NS    |
|-------|----------------|-------|
| 48501 | 150            | 19/26 |
| 48502 | 150            | 24/29 |
| 48503 | 150            | 29/32 |
| 48509 | 250            | 19/26 |
| 48510 | 250            | 24/29 |
| 48511 | 250            | 29/32 |
| 48504 | 300            | 19/26 |
| 48505 | 300            | 24/29 |
| 48506 | 300            | 29/32 |
| 48507 | 400            | 24/29 |
| 48508 | 400            | 29/32 |

**45 Graham**

Coil, male and female joint • serpentina, esmerilado macho y embra • serpentín, rodage mâle et femelle

| Ref.  | Extractor (ml) | NS    |
|-------|----------------|-------|
| 48303 | 150            | 24/29 |
| 48304 | 150            | 29/32 |
| 48301 | 200            | 19/32 |
| 48305 | 200            | 14/23 |
| 48306 | 250            | 24/29 |
| 48307 | 250            | 29/32 |
| 48302 | 300            | 29/32 |
| 48308 | 300            | 24/29 |
| 48309 | 400            | 29/32 |
| 48310 | 500            | 29/32 |

**46 Glass stopper • Tapón de vidrio • Bouchon de verre**

With clamps • con pinzas • avec pincés

| Ref.  | NS    |
|-------|-------|
| 51501 | 7/16  |
| 51502 | 10/19 |
| 51503 | 12/21 |
| 51504 | 14/23 |
| 51505 | 19/26 |
| 51506 | 24/29 |
| 51507 | 29/32 |
| 51508 | 34/35 |
| 51509 | 45/40 |

**47 Glass stopper • Tapón de vidrio • Bouchon de verre**

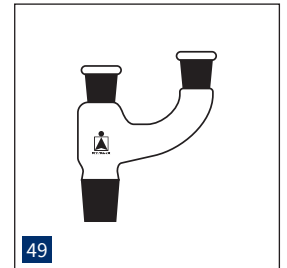
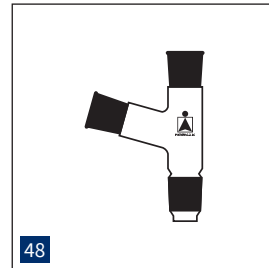
Without clamps • sin pinzas • sans pincés

| Ref.  | NS    |
|-------|-------|
| 51601 | 7/16  |
| 51602 | 10/19 |
| 51603 | 12/21 |
| 51604 | 14/23 |
| 51605 | 19/26 |
| 51606 | 24/29 |
| 51607 | 29/32 |
| 51608 | 34/35 |
| 51609 | 45/40 |

**ADAPTERS, JOINTS AND GROUND WARE • ADAPTADORES, JUNTAS Y ESMERILADO • RACCORD, JOINTS ET RODAGES****48 Adapter • Adaptador • Raccord**

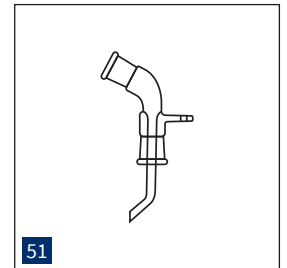
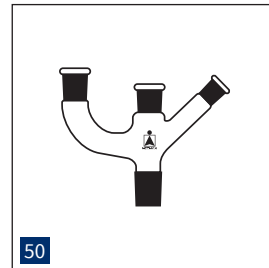
2 necks • 2 cuellos • 2 branches

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 40301 | 19/26                            | 19/26                       |
| 40302 | 24/29                            | 19/26                       |

**49 Adapter • Adaptador • Raccord**

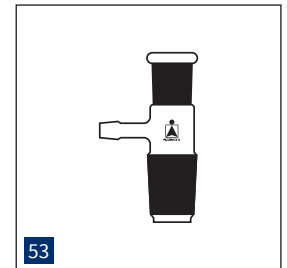
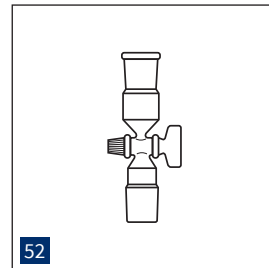
2 parallel necks • 2 cuellos paralelos • 2 branches parallèles

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 40201 | 10/19                            | 10/19                       |
| 40202 | 14/23                            | 14/23                       |
| 40203 | 19/26                            | 19/26                       |
| 40204 | 19/26                            | 19/26                       |
| 40205 | 34/35                            | 19/26                       |
| 40206 | 24/29                            | 24/29                       |
| 40207 | 29/32                            | 29/32                       |

**50 Adapter • Adaptador • Raccord**

3 necks • 3 cuellos • 3 branches

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|-----------------------------|
| 40401 | 19/26                            | 14/23                       | 24/29                       |
| 40402 | 19/26                            | 19/26                       | 24/29                       |
| 40403 | 19/26                            | 19/26                       | 29/32                       |
| 40404 | 19/26                            | 19/26                       | 34/35                       |

**51 Adapter • Adaptador • Raccord**

Bent at 105° • doblado a 105° • coudé à 105°

| Ref.  | NS<br>(Upper size • superior • supérieur) | NS<br>(Lower size • inferior • inférieur) |
|-------|---|---|
| 52119 | 19/26                                     | 24/29                                     |
| 52120 | 29/32                                     | 29/32                                     |

**52 Adapter • Adaptador • Raccord**

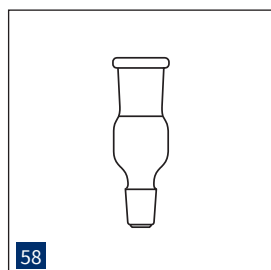
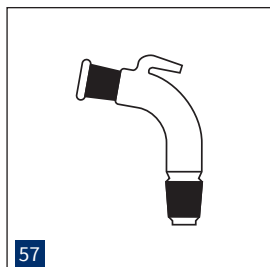
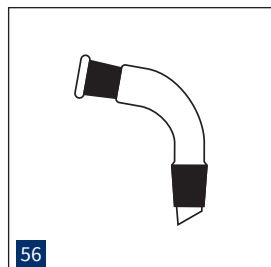
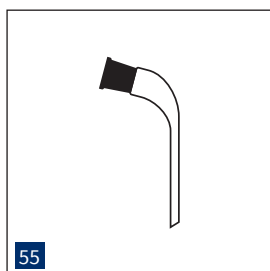
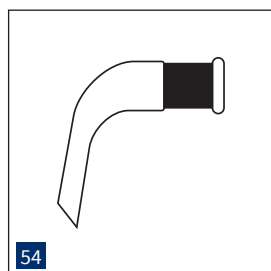
With stopcock • Con llave de paso • avec robinet

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 52106 | 19/26                            | 24/29                       |
| 52107 | 24/29                            | 24/29                       |
| 40404 | 19/26                            | 19/26                       |

**53 Adapter • Adaptador • Raccord**

Connection "T" • Conexión en "T" • Connection forme "T"

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 40501 | 14/23                            | 14/23                       |
| 40502 | 14/23                            | 19/26                       |
| 40503 | 14/23                            | 24/29                       |
| 40504 | 19/26                            | 19/26                       |
| 40505 | 19/26                            | 24/29                       |
| 40506 | 19/26                            | 29/32                       |
| 40507 | 19/26                            | 34/35                       |
| 40508 | 24/29                            | 24/29                       |
| 40509 | 29/32                            | 29/32                       |

**54 Adapter • Adaptador • Raccord**

Receiver adapter bent, short • Colector destilación acodado, corto • allonge coudée simple, courte

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 41101 | 65                               | 14/23                       |
| 41102 | 65                               | 19/26                       |
| 41103 | 65                               | 24/29                       |
| 41104 | 65                               | 29/32                       |

**55 Adapter • Adaptador • Raccord**

Receiver adapter bent, short • Colector destilación acodado, corto • Allonge coudée simples, ourte

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 41201 | 120                              | 10/19                       |
| 41202 | 190                              | 14/23                       |
| 41203 | 200                              | 19/26                       |
| 41204 | 200                              | 24/29                       |
| 41205 | 200                              | 29/32                       |

**56 Adapter • Adaptador • Raccord**

Bent • Acodado • Coudé

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 41401 | 14/23                            | 14/23                       |
| 41402 | 19/26                            | 19/26                       |
| 41403 | 24/29                            | 19/26                       |
| 41404 | 24/29                            | 24/29                       |
| 41405 | 34/35                            | 34/35                       |

**57 Adapter • Adaptador • Raccord**

Bent with hose • Acodado con tubo • Coudé avec tube

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 41501 | 10/19                            | 10/19                       |
| 41502 | 14/23                            | 14/23                       |
| 41503 | 19/26                            | 19/26                       |
| 41504 | 19/26                            | 19/26                       |
| 41505 | 24/29                            | 24/29                       |
| 41506 | 29/32                            | 29/32                       |

**58 Adapter • Adaptador • Raccord**

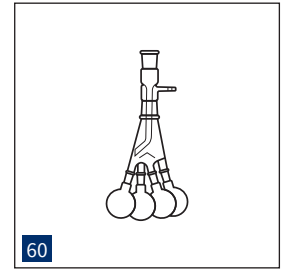
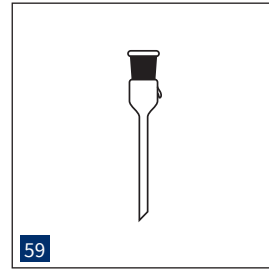
Expansion • Ampliación • Expansion

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 40101 | 14/23                            | 10/19                       |
| 40102 | 19/26                            | 14/23                       |
| 40103 | 24/29                            | 14/23                       |
| 40104 | 24/29                            | 19/26                       |
| 40105 | 29/32                            | 14/23                       |
| 40106 | 29/32                            | 19/26                       |
| 40107 | 29/32                            | 24/29                       |
| 40108 | 34/35                            | 19/26                       |
| 40109 | 34/35                            | 24/29                       |
| 40110 | 34/35                            | 29/32                       |
| 40111 | 40/38                            | 29/32                       |

**59 Adapter • Adaptador • Raccord**

Straight delivery • Adaptador destilación • Allonge à distiller droite

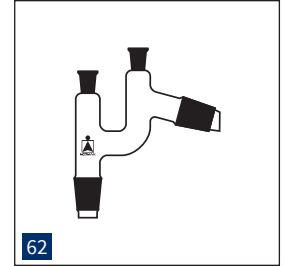
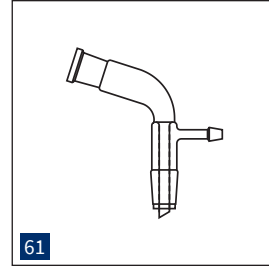
| Ref.  | Length (mm) | NS<br>(socket • embra • femelle) |
|-------|-------------|----------------------------------|
| 41307 | 80          | 19/26                            |
| 41301 | 180         | 14/23                            |
| 41302 | 180         | 19/26                            |
| 41303 | 180         | 24/29                            |
| 41304 | 180         | 29/32                            |
| 41305 | 180         | 34/35                            |
| 41306 | 300         | 45/40                            |



**60 Adapter • Adaptador • Raccord**

Straight with 4 flasks • Recto con 4 matraces • Oblique avec 4 ballons

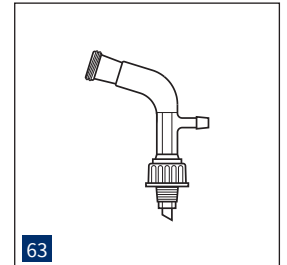
| Ref.  | Length (mm) | NS<br>(Upper size • superior • supérieur) | NS<br>(Lower size • inferior • inférieur) |
|-------|-------------|---|---|
| 52113 | 50          | 14/23                                     | 19/26                                     |
| 52114 | 100         | 19/26                                     | 24/29                                     |
| 52115 | 100         | 29/32                                     | 29/32                                     |
| 52116 | 250         | 29/32                                     | 29/32                                     |



**61 Adapter • Adaptador • Raccord**

Receiver adapter bent, with vacuum connection • Colector destilación acodado, al vacío • Allonge coudée simple, avec raccord au vide

| Ref.  | Length (mm) | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|-------------|----------------------------------|-----------------------------|
| 41601 | 110         | 14/23                            | 14/23                       |
| 41602 | 130         | 19/26                            | 19/26                       |
| 41603 | 140         | 19/26                            | 24/29                       |
| 41604 | 140         | 24/29                            | 24/29                       |
| 41605 | 155         | 29/32                            | 29/32                       |



**62 Adapter • Adaptador • Raccord**

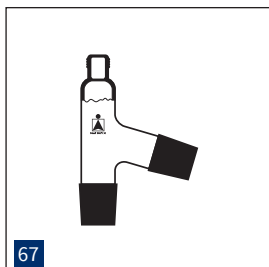
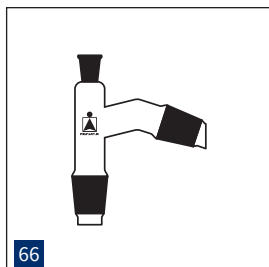
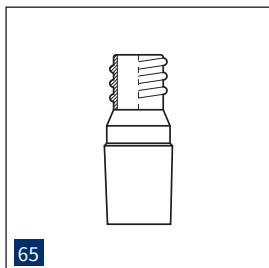
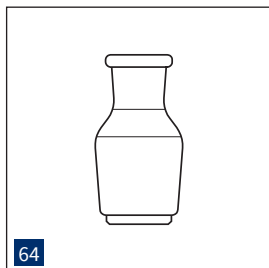
Vacuum connection 2 females and 2 males • Conexión de vacío 2 hembras y 2 machos • Connection à vide 2 femelles et 2 mâles

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|-----------------------------|
| 42501 | 14/23                            | 14/23                       | 14/23                       |
| 42502 | 19/26                            | 19/26                       | 14/23                       |
| 42503 | 24/29                            | 19/26                       | 14/23                       |
| 42504 | 24/29                            | 24/29                       | 14/23                       |
| 42505 | 29/32                            | 29/32                       | 14/23                       |
| 42506 | 34/35                            | 19/26                       | 14/23                       |

**63 Adapter • Adaptador • Raccord**

155m - Vacuum connection with ground and screwthreaded • Conexión de vacío con esmerilado y rosca • À vide, rodé vissé

| Ref.    | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|---------|----------------------------------|-----------------------------|
| 9165005 | 29/32                            | 29/32                       |

**64 Adapter • Adaptador • Raccord**

Reduction • Reducción • Reduction

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 40001 | 10/19                            | 14/23                       |
| 40002 | 14/23                            | 19/26                       |
| 40003 | 14/23                            | 24/29                       |
| 40004 | 14/23                            | 29/32                       |
| 40005 | 19/26                            | 24/29                       |
| 40006 | 19/26                            | 29/32                       |
| 40007 | 19/26                            | 34/35                       |
| 40008 | 19/26                            | 40/38                       |
| 40009 | 19/26                            | 45/40                       |
| 40010 | 19/26                            | 55/44                       |
| 40011 | 24/29                            | 29/32                       |
| 40012 | 24/29                            | 34/35                       |
| 40013 | 24/29                            | 40/38                       |
| 40014 | 24/29                            | 45/40                       |
| 40015 | 24/29                            | 50/42                       |
| 40016 | 24/29                            | 55/44                       |
| 40017 | 29/32                            | 34/35                       |
| 40018 | 29/32                            | 45/40                       |
| 40019 | 34/35                            | 40/38                       |
| 40020 | 34/35                            | 45/40                       |
| 40021 | 34/35                            | 50/42                       |
| 40022 | 34/35                            | 55/44                       |

**65 Adapter • Adaptador • Raccord**

Thermometer • Termometro • Pour thermomètre

| Ref.  | GL | NS<br>(socket • embra • femelle) |
|-------|----|----------------------------------|
| 45501 | 14 | 14/23                            |
| 45502 | 14 | 19/26                            |
| 45505 | 18 | 19/26                            |
| 45506 | 18 | 24/29                            |

**66 Adapter • Adaptador • Raccord**

Thermometer • Termometro • Pour thermomètre

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|-----------------------------|
| 42401 | 10/13                            | 10/13                       | 10/19                       |
| 42402 | 14/23                            | 14/23                       | 14/23                       |
| 42403 | 19/26                            | 19/26                       | 14/23                       |
| 42404 | 19/26                            | 19/26                       | 19/26                       |
| 42405 | 24/29                            | 19/26                       | 14/23                       |
| 42406 | 24/29                            | 24/29                       | 14/23                       |
| 42407 | 29/32                            | 19/26                       | 14/23                       |
| 42408 | 29/32                            | 29/32                       | 14/23                       |
| 42409 | 34/35                            | 19/26                       | 14/23                       |
| 42410 | 34/35                            | 24/29                       | 14/23                       |
| 42411 | 34/35                            | 34/35                       | 14/23                       |

**67 Adapter • Adaptador • Raccord**

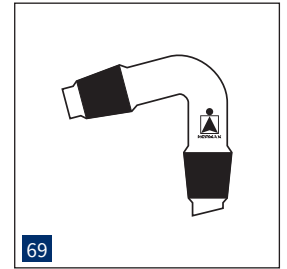
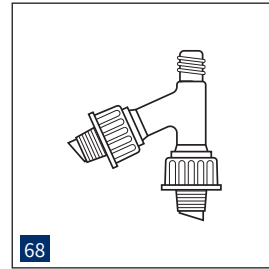
Cone with screwthread • Termometro con rosca • Pour thermomètre à vis

| Ref.  | GL | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----|----------------------------------|-----------------------------|
| 44201 | 14 | 14/23                            | 14/23                       |
| 44202 | 14 | 14/23                            | 19/26                       |
| 44203 | 14 | 14/23                            | 24/29                       |
| 44204 | 14 | 19/26                            | 29/32                       |

**68 Adapter • Adaptador • Raccord**

Thermometer adapter ground and screw thread • Termometro con esmerilado roscado • Tête de colonne rodé vissé

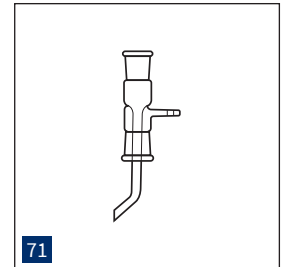
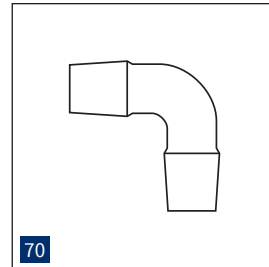
| Ref.    | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) | NS<br>(cone • macho • mâle) |
|---------|----------------------------------|-----------------------------|-----------------------------|
| 9165004 | 19/26                            | 19/26                       | 19/26                       |



**69 Adapter • Adaptador • Raccord**

75° Recovery bends • Unión • Union

| Ref.  | NS            |
|-------|---------------|
| 42701 | 14/23 - 14/23 |
| 42702 | 19/26 - 19/26 |
| 42703 | 24/29 - 14/23 |
| 42704 | 24/29 - 19/26 |
| 42705 | 24/29 - 24/29 |
| 42706 | 29/32 - 19/26 |
| 42707 | 29/32 - 29/32 |
| 42708 | 34/35 - 19/26 |
| 42709 | 34/35 - 24/29 |



**70 Adapter • Adaptador • Raccord**

90° Recovery bends • Unión • Union

| Ref.  | NS            |
|-------|---------------|
| 42710 | 14/23 - 14/23 |
| 42711 | 19/26 - 19/26 |
| 42712 | 24/29 - 14/23 |
| 42713 | 24/29 - 19/26 |
| 42714 | 24/29 - 24/29 |
| 42715 | 29/32 - 19/26 |
| 42716 | 29/32 - 29/32 |
| 42717 | 34/35 - 19/26 |
| 42718 | 34/35 - 24/29 |



**71 Adapter • Adaptador • Raccord**

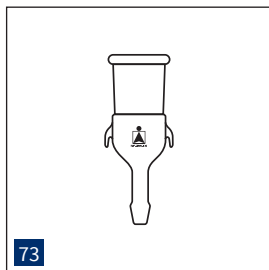
Straight connector • Recto • Droit

| Ref.  | NS<br>(Upper size • superior • supérieur) | NS<br>(Lower size • inferior • inférieur) |
|-------|---|---|
| 52125 | 14/23                                     | 19/26                                     |
| 52126 | 19/26                                     | 24/29                                     |
| 52127 | 29/32                                     | 29/32                                     |

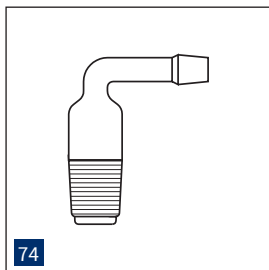
**72 Adapter • Adaptador • Raccord**

Recovery bend, vertical • Doble acodado • Coudé, vertical

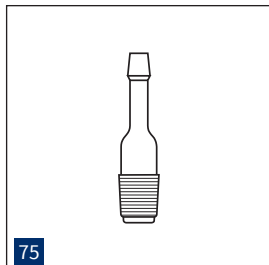
| Ref.  | NS            |
|-------|---------------|
| 42601 | 14/23 - 14/23 |
| 42602 | 19/26 - 19/26 |
| 42603 | 24/29 - 19/26 |
| 42604 | 24/29 - 24/29 |
| 42605 | 45/40 - 45/40 |
| 42606 | 29/32 - 29/32 |



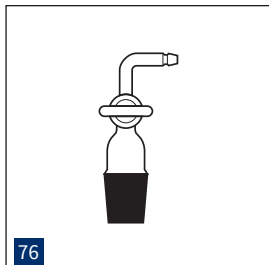
73



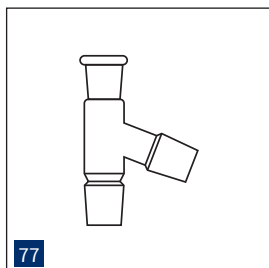
74



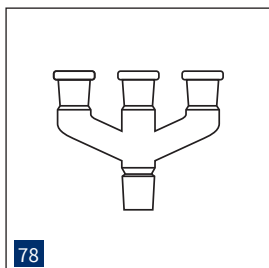
75



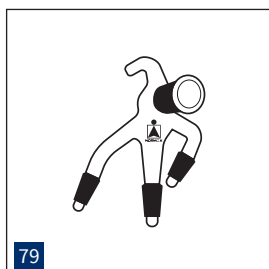
76



77



78



79

**73 Adapter • Adaptador • Raccord**

Cone • Esmerilado • Rodé

| Ref.  | NS    | Out. Ø olive (mm) |
|-------|-------|-------------------|
| 41002 | 24/29 | 9                 |
| 41003 | 29/32 | 9                 |

**74 Adapter • Adaptador • Raccord**

90° Right angled connection • Esmerilado • Coudé Rodé

| Ref.  | NS    | Out. Ø olive (mm) |
|-------|-------|-------------------|
| 40901 | 10/19 | 9                 |
| 40902 | 14/23 | 9                 |
| 40903 | 19/26 | 9                 |
| 40904 | 24/29 | 9                 |
| 40905 | 29/32 | 9                 |
| 40906 | 34/35 | 9                 |

**75 Adapter • Adaptador • Raccord**

Cone, straight connection • Esmerilado • Raccord droit

| Ref.  | NS    | Out. Ø olive (mm) |
|-------|-------|-------------------|
| 40801 | 14/23 | 9                 |
| 40802 | 19/26 | 9                 |
| 40803 | 24/29 | 9                 |

**76 Adapter • Adaptador • Raccord**

With stopcock right angled • Con llave and. recto • Robinet angle 90°

| Ref.  | NS    | Out. Ø olive (mm) |
|-------|-------|-------------------|
| 41801 | 14/23 | 9                 |
| 41802 | 19/26 | 9                 |
| 41803 | 24/29 | 9                 |
| 41804 | 29/32 | 9                 |

**77 Adapter • Adaptador • Raccord**

Multiple • Multiplo • Multiple

| Ref.  | NS    |
|-------|-------|
| 42719 | 14/23 |
| 42720 | 29/32 |

**78 Adapter • Adaptador • Raccord**

Multiple with 3 necks • Multiplo con 3 cuellos • Multiple avec 3 cols

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 42101 | 14/23                            | 14/23                       |
| 42102 | 19/26                            | 29/32                       |
| 42103 | 29/32                            | 29/32                       |

**79 Adapter • Adaptador • Raccord**

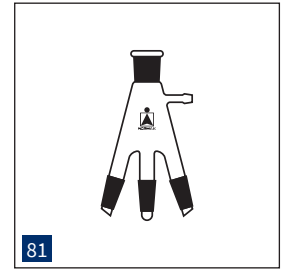
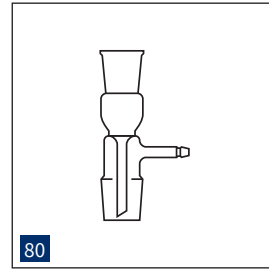
Multiple connections • Esmerilados multiples • Joints rodés multiples

| Ref.  | Length (mm) | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|-------------|----------------------------------|-----------------------------|
| 42001 | 65          | 10/19                            | 10/19                       |
| 42002 | 110         | 14/23                            | 14/23                       |
| 42003 | 110         | 19/26                            | 14/23                       |
| 42004 | 115         | 29/32                            | 14/23                       |

**80 Adapter • Adaptador • Raccord**

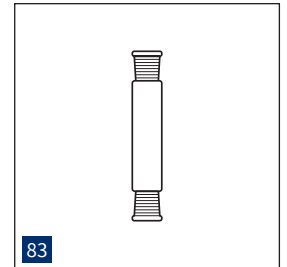
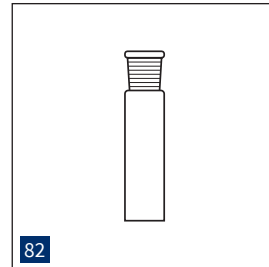
Vertical receiver, vacuum connection • Vertical, conexión de vacío • Vertical, raccord au vide

| Ref.  | Length (mm) | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|-------------|----------------------------------|-----------------------------|
| 41700 | 140         | 24/29                            | 24/29                       |
| 41701 | 125         | 14/23                            | 14/23                       |

**81 Adapter • Adaptador • Raccord**

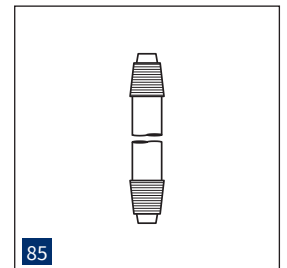
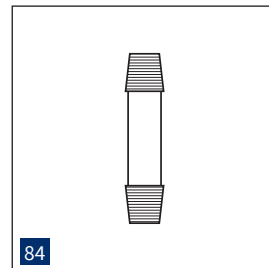
Multi-limb deliver • Esmerilados múltiples • Joints multiples

| Ref.  | NS<br>(socket • embra • femelle) | NS<br>(cone • macho • mâle) |
|-------|----------------------------------|-----------------------------|
| 42100 | 19/26                            | 14/23                       |

**82 Ground ware • Esmerilado • Rodages**

Socket, rolled shoulder, single • Hembra esmerilada • femelle, rodé

| Ref.  | NS    | Length (mm) | Out. Ø (mm) | Thickness (mm) |
|-------|-------|-------------|-------------|----------------|
| 49801 | 5/13  | 113         | 8           | 1,0            |
| 49802 | 7/16  | 116         | 10          | 1,5            |
| 49803 | 10/19 | 119         | 13          | 1,5            |
| 49804 | 12/21 | 121         | 15          | 1,8            |
| 49805 | 14/23 | 123         | 17          | 1,8            |
| 49806 | 19/26 | 126         | 22          | 1,8            |
| 49807 | 24/29 | 129         | 28          | 2,0            |
| 49808 | 29/32 | 132         | 33          | 2,0            |
| 49809 | 34/35 | 135         | 40          | 2,3            |
| 49811 | 45/40 | 140         | 50          | 2,5            |
| 49814 | 60/46 | 180         | 65          | 3,2            |

**83 Ground ware • Esmerilado • Rodages**

Socket, rolled shoulder, double • Hembra, doble, esmerilada • Femelle, double, rodé

| Ref.  | NS    | Length (mm) | Out. Ø (mm) | Thickness (mm) |
|-------|-------|-------------|-------------|----------------|
| 20804 | 19/26 | 142         | 22          | 1,8            |
| 20805 | 24/29 | 168         | 28          | 2,0            |
| 20806 | 29/32 | 174         | 34          | 2,0            |
| 20807 | 34/35 | 180         | 40          | 2,3            |
| 20808 | 45/40 | 190         | 50          | 2,5            |

**84 DIN 12249, ISO 383 Ground ware • Esmerilado • Rodages**

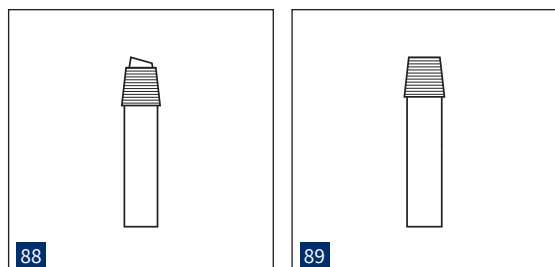
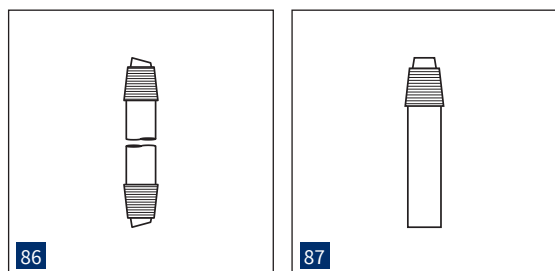
Cone, plain end, double • Macho, doble • Mâle, double

| Ref.  | NS    | Length (mm) | Out. Ø (mm) | Thickness (mm) |
|-------|-------|-------------|-------------|----------------|
| 20001 | 10/19 | 90          | 9           | 1,0            |
| 20008 | 12/21 | 121         | 11          | 1,5            |
| 20002 | 14/23 | 123         | 13          | 1,5            |
| 20003 | 19/26 | 128         | 17          | 1,8            |
| 20004 | 24/29 | 144         | 22          | 1,8            |
| 20005 | 29/32 | 150         | 26          | 2,0            |
| 20006 | 34/35 | 153         | 30          | 2,0            |
| 20007 | 45/40 | 160         | 40          | 2,3            |

**85 Ground ware • Esmerilado • Rodages**

Cone, long tip, double • Machos, largo, doble • Mâle long, double

| Ref.  | NS    | Length (mm) | Out. Ø (mm) | Thickness (mm) |
|-------|-------|-------------|-------------|----------------|
| 20601 | 14/23 | 55          | 14          | 1,5            |
| 20602 | 19/26 | 60          | 18          | 1,8            |
| 20603 | 24/29 | 95          | 22          | 1,8            |
| 20604 | 29/32 | 125         | 28          | 2,0            |

**86** Ground ware • Esmerilado • Rodages

Cone, angled end, double • Machos, con bisel, doble • Mâle en biseau, double

| Ref.  | NS    | Length (mm) | Out. Ø (mm) |
|-------|-------|-------------|-------------|
| 20201 | 14/23 | 156         | 13          |
| 20202 | 19/26 | 166         | 17          |
| 20203 | 24/29 | 188         | 22          |
| 20204 | 29/32 | 200         | 26          |

**87** Ground ware • Esmerilado • Rodages

Cone, long tip, single • Machos, longo, doble • Mâle long, double

| Ref.  | NS    | Length (mm) | Out. Ø (mm) | Thickness (mm) |
|-------|-------|-------------|-------------|----------------|
| 20302 | 10/19 | 90          | 9           | 1,0            |
| 20311 | 12/21 | 121         | 11          | 1,5            |
| 20303 | 14/23 | 123         | 13          | 1,5            |
| 20304 | 19/26 | 128         | 17          | 1,8            |
| 20305 | 24/29 | 144         | 22          | 1,8            |
| 20306 | 29/32 | 150         | 26          | 1,8            |
| 20307 | 34/35 | 153         | 30          | 2,0            |
| 20309 | 45/40 | 160         | 40          | 2,3            |

**88** Ground ware • Esmerilado • Rodages

Cone, angled end • Machos, con bisel • Mâle, bout biseau

| Ref.  | NS    | Length (mm) | Out. Ø (mm) | Thickness (mm) |
|-------|-------|-------------|-------------|----------------|
| 49601 | 10/19 | 90          | 9           | 0,8            |
| 49602 | 12/21 | 121         | 11          | 1,5            |
| 49603 | 14/23 | 123         | 13          | 1,5            |
| 49604 | 19/26 | 128         | 17          | 1,5            |
| 49605 | 24/29 | 144         | 22          | 1,5            |
| 49606 | 29/32 | 150         | 26          | 1,8            |
| 49607 | 34/35 | 153         | 30          | 1,8            |
| 49609 | 45/40 | 160         | 40          | 2,0            |

**89** Ground ware • Esmerilado • Rodages

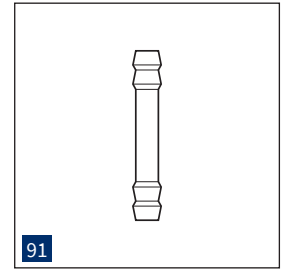
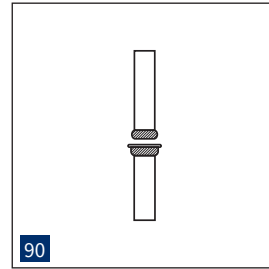
Cone, plain end • Machos, unión cónica • Mâle, bout droit

| Ref.  | NS    | Length (mm) | Out. Ø (mm) | Thickness (mm) |
|-------|-------|-------------|-------------|----------------|
| 49701 | 5/13  | 113         | 4           | 0,8            |
| 49702 | 7/16  | 116         | 6           | 1,5            |
| 49703 | 10/19 | 119         | 8           | 1,5            |
| 49704 | 12/21 | 121         | 11          | 1,5            |
| 49705 | 14/23 | 123         | 13          | 1,5            |
| 49706 | 19/26 | 126         | 17          | 1,8            |
| 49707 | 24/29 | 139         | 22          | 1,8            |
| 49708 | 29/32 | 142         | 26          | 2,0            |
| 49709 | 34/35 | 145         | 30          | 2,0            |
| 49711 | 45/40 | 150         | 40          | 2,3            |
| 49714 | 60/46 | 166         | 56          | 2,5            |

**90 Ground ware • Esmerilado • Rodages**

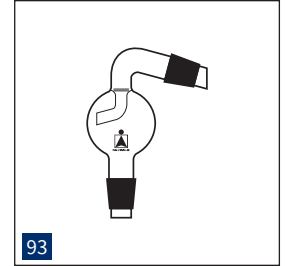
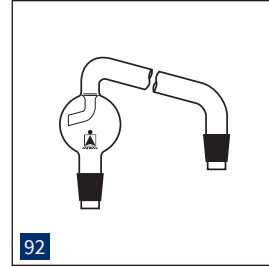
Male and female, spherical • Hembra y macho esférico • Sphérique rodé, femelle et mâle

| Ref.  | NS   | Length (mm) | Out. Ø (mm) | Thickness (mm) |
|-------|------|-------------|-------------|----------------|
| 20901 | S-13 | 100         | 8           | 12,700         |
| 20902 | S-13 | 100         | 8           | 12,700         |
| 20903 | S-19 | 100         | 13          | 19,025         |
| 20904 | S-29 | 100         | 20          | 28,575         |
| 20905 | S-35 | 100         | 24          | 34,925         |
| 20906 | S-41 | 100         | 32          | 41,275         |
| 20907 | S-51 | 100         | 38          | 50,800         |

**91 Connector • Conector • Connecteur**

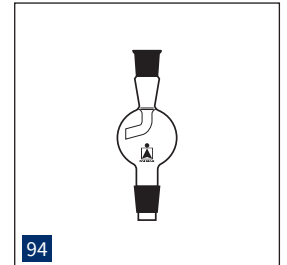
double • doble • double

| Ref.  | Cap (ml) | Out. Ø (mm) | Thick (mm) |
|-------|----------|-------------|------------|
| 25101 | 115      | 6           | 1,5        |
| 25102 | 115      | 8           | 1,5        |
| 25103 | 115      | 9           | 1,5        |
| 25104 | 115      | 10          | 1,5        |
| 25105 | 115      | 11          | 1,5        |
| 25106 | 115      | 12          | 1,5        |

**92 Splash head • Ampola • Ampoule**

2 vertical ground cone • Hasta longa, 2 esm. • Tige longue, 2 rodages

| Ref.  | NS (Vertical) | NS (side • lateral • latérale) |
|-------|---------------|--------------------------------|
| 42801 | 19/26         | 19/26                          |
| 42802 | 24/29         | 19/26                          |
| 42803 | 24/29         | 24/29                          |
| 42804 | 14/23         | 14/23                          |
| 42805 | 29/32         | 29/32                          |

**93 Splash head • Ampola • Ampoule**

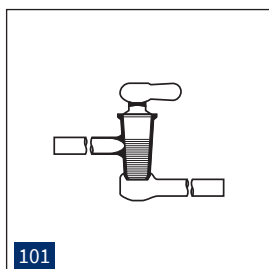
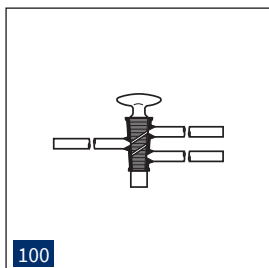
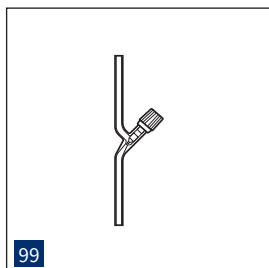
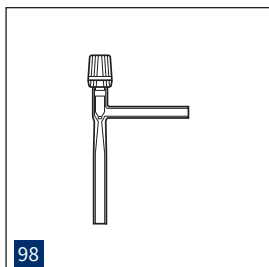
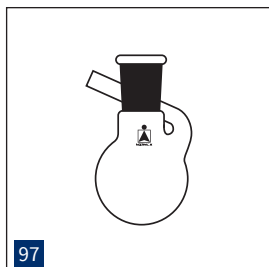
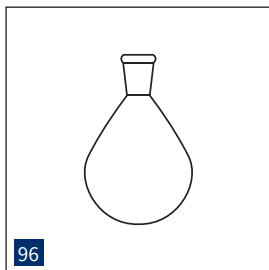
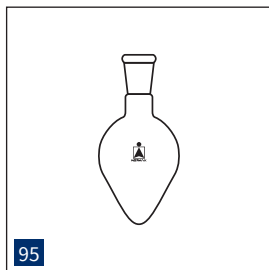
Sloping type • Tipo Sloping • Type sloping

| Ref.  | NS (vertical) | NS (side • lateral • latérale) |
|-------|---------------|--------------------------------|
| 42907 | 19/26         | 19/26                          |
| 42901 | 24/29         | 19/26                          |
| 42902 | 24/29         | 24/29                          |
| 42903 | 14/23         | 14/23                          |
| 42904 | 29/32         | 29/32                          |
| 42905 | 34/35         | 19/26                          |
| 42906 | 34/35         | 34/35                          |

**94 Splash head • Ampola • Ampoule**

Stutzer type • Tipo Stutzer • Type Stutzer

| Ref.  | NS (vertical) | NS (side • lateral • latérale) |
|-------|---------------|--------------------------------|
| 43101 | 14/23         | 14/23                          |
| 43100 | 19/26         | 24/29                          |
| 43102 | 29/32         | 29/32                          |

**95** Flask • Matraz • Ballon

Conical shaped • Forma cónica • Forme conique

| Ref.  | Cap. (ml) | NS    |
|-------|-----------|-------|
| 46600 | 50        | 14/23 |
| 46601 | 100       | 14/23 |
| 46602 | 250       | 19/26 |
| 46603 | 500       | 16/26 |
| 46604 | 1000      | 29/32 |

**96** Flask • Matraz • Ballon

Pear shaped • Forma pera • Forme poire

| Ref.  | Cap. (ml) | NS    |
|-------|-----------|-------|
| 46501 | 100       | 29/32 |
| 46502 | 250       | 29/32 |
| 46503 | 500       | 29/32 |
| 46504 | 1000      | 29/32 |

**97** Flask • Matraz • Ballon

Round bottom, hose connection • Fondo redondo, tubuladura lateral • Fond rond, tubulure latéral

| Ref.  | Cap. (ml) | NS    |
|-------|-----------|-------|
| 45900 | 25        | 14/23 |

**98** Stopcock • Llave • Robinet

With PTFE gasket, 90° angled • Junta de PTFE 90° • Joint PTFE 90°

| Ref.     | Passage (mm) | Tube (mm) |
|----------|--------------|-----------|
| 2415202S | 0 - 2,5      | 9         |
| 2415203S | 0 - 4        | 10        |
| 2415204S | 0 - 6        | 10        |

**99** Stopcock • Llave • Robinet

With PTFE gasket • De téflon • Avec teflon

| Ref.     | Passage (mm) | Tube (mm) |
|----------|--------------|-----------|
| 2415102S | 0 - 2,5      | 9         |
| 2415103S | 0 - 4        | 10        |
| 2415104S | 0 - 6        | 10        |

**100** Stopcock • Llave • Robinet

Two-way vacuum parallel • De 2 vías para vacío, paralela • À 2 voies et à vide, parallèle

| Ref.  | Stem (mm) | Bore (mm) | Stem length (mm) |
|-------|-----------|-----------|------------------|
| 50301 | 8         | 1,5       | 100              |
| 50302 | 9         | 2,5       | 100              |
| 50303 | 10        | 4         | 100              |

**101** Stopcock • Llave • Robinet

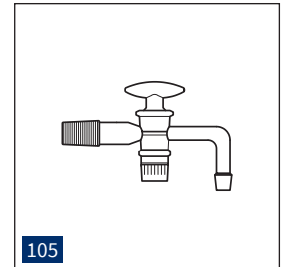
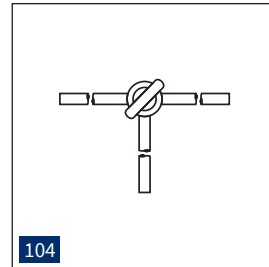
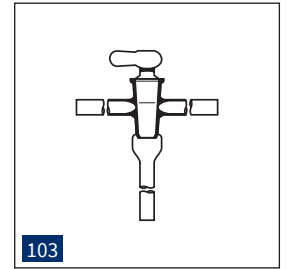
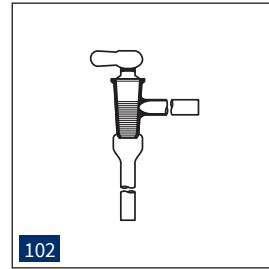
Two-way vacuum straight • De 2 vías para vacío, recta • À 2 voies et à vide, droite

| Ref.  | Stem (mm) | Bore (mm) |
|-------|-----------|-----------|
| 50901 | 8         | 3         |
| 50902 | 11        | 6         |
| 50903 | 13        | 8         |
| 50904 | 15        | 10        |

**102 Stopcock • Llave • Robinet**

Two-way lateral, vaccum • De 2 vias lateral, para vácuo • À 2 voies latérales et à vide

| Ref.  | Stem (mm) | Ø Stem (mm) |
|-------|-----------|-------------|
| 50801 | 2         | 6           |
| 50802 | 4         | 9           |
| 50803 | 6         | 11          |
| 50804 | 8         | 13          |
| 50805 | 10        | 15          |


**103 Stopcock • Llave • Robinet**

Three-way vaccum • 3 vias, para vácuo • 3 voies et à vide

| Ref.  | Stem (mm) | Ø Stem (mm) |
|-------|-----------|-------------|
| 50701 | 2         | 6           |
| 50702 | 4         | 9           |
| 50703 | 6         | 11          |
| 50704 | 8         | 13          |
| 50705 | 10        | 15          |

**104 Stopcock • Llave • Robinet**

T, 3 way • T, 3 vias • T, 3 voies

| Ref.  | Stem (mm) | Bore (mm) | Stem length (mm) |
|-------|-----------|-----------|------------------|
| 50401 | 8         | 2         | 100              |
| 50402 | 9         | 2,5       | 100              |
| 50403 | 10        | 4         | 100              |

**105 Stopcock • Llave • Robinet**

Tap for aspirator bottle • Llave para barris • Robinet pour baril

| Ref.  | NS | Bore (mm) |
|-------|----|-----------|
| 50602 | 19 | 6         |

**STOPCOCK • LLAVE • ROBINET**
**Ref.**

2415301

**Stopcock for reactor**

- PTFE valve 15 mm
- Red thread

**Llave para reactor**

- Válvula de PTFE 15 mm
- Hilo rojo

**Robinet pour réacteur**

- Vanne PTFE 15 mm
- Bouchon à vis rouge

**BORO**  
3.3

**Ref.**

2415302

**Straight Stopcock**

- PTFE tap via 15 mm
- Red thread

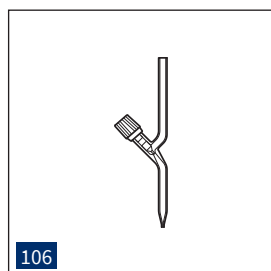
**Llave recta**

- PTFE a través de 15 mm
- Hilo rojo

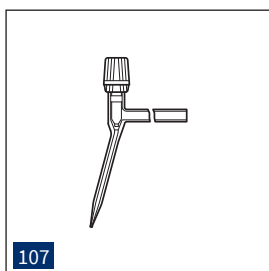
**Robinet droit**

- PTFE via 15 mm
- Bouchon à vis rouge

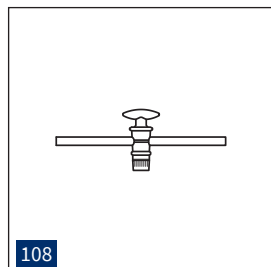
**BORO**  
3.3

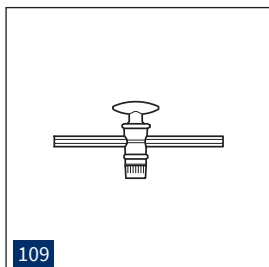
106



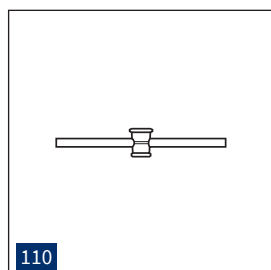
107



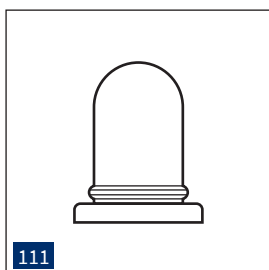
108



109



110



111

**106 Stopcock • Llave • Robinet**

For burette, PTFE gasket • de teflon para bureta, macho PTFE • pour burette avec téflon

| Ref.     | For burette (mm) | Tube (mm) | Passage |
|----------|------------------|-----------|---------|
| 2415402S | 10               | 9         | 0 - 2,5 |
| 2415403S | 25               | 10        | 0 - 4   |
| 2415404S | 50               | 10        | 0 - 6   |

**107 Stopcock • Llave • Robinet**

For burette, capillary end with PTFE • De teflon para bureta, punta capilar • Pour burette bout capillaire téflon

| Ref.     | For burette (mm) | Tube (mm) | Passage |
|----------|------------------|-----------|---------|
| 2415502S | 10               | 9         | 0 - 2,5 |
| 2415503S | 25               | 10        | 0 - 4   |
| 2415504S | 50               | 10        | 0 - 6   |

**108 Stopcock • Llave • Robinet**

One-way stopcock, glass key • Llave recta, macho de vidrio • robinet droite, mâle de verre

| Ref.  | l bore x l ugo (mm) | Stem length (mm) | NS |
|-------|---------------------|------------------|----|
| 50201 | 2,5 x 8             | 100              | 12 |
| 50202 | 4 x 10              | 100              | 14 |
| 50203 | 6 x 13              | 100              | 19 |

**108 Stopcock • Llave • Robinet**

One-way stopcock, PTFE key • Llave recta, macho PTFE • robinet droite, mâle PTFE

| Ref.  | l bore x l ugo (mm) | Stem length (mm) | NS |
|-------|---------------------|------------------|----|
| 50101 | 2,5 x 8             | 100              | 12 |
| 50102 | 4 x 10              | 100              | 14 |
| 50103 | 6 x 13              | 100              | 19 |

**109 Stopcock • Llave • Robinet**

One-way stopcock capilar glass • Llave recta, vidrio capilar • robinet droite, verre capillaire

| Ref.  | l bore x l ugo (mm) | Stem length (mm) |
|-------|---------------------|------------------|
| 50501 | 1,5 x 8             | 100              |
| 50502 | 2,5 x 9             | 100              |

**110 Stopcock • Llave • Robinet**

One-way stopcock semi-finished, 0,2 mm ground, soda-lime glass • Llave recta, semi-acabada, esmerilada 0,2mm, vidrio sódico-cálcico • robinet droite, semi-finirodâge 0,2 mm, verre sodo-calcique

| Ref.  | l bore x l ugo (mm) | Stem length (mm) |
|-------|---------------------|------------------|
| 28201 | 1,5 x 8             | 100              |
| 28202 | 2,5 x 9             | 100              |
| 28203 | 4 x 10              | 100              |

**111 Stopcock • Llave • Robinet**

Rubber sucker • Tetina en goma • Tétine en caoutchouc

| Ref.    | Colour • Color • Couleur |
|---------|--------------------------|
| 6508002 | black • negro • noir     |



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**09**

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**TECHNICAL INFORMATION . INFORMACIONES TÉCNICAS . INFORMATIONS TECHNIQUES**

Porosity of Sintered Glass Plates . Porosidad de Placas de Vidrio Sintorizado . Porosité des Plaques de Verre Fritté

|   |       |         | <b>POROSITY</b><br><b>POROSIDAD</b><br><b>POROSITÉ</b>   | <b>NEW IDENTIFICATION MARK ISO 4793</b><br><b>NUEVO DISTINTIVO ISO 4793</b><br><b>NOUVEAU MARQUAGE ISO 4793</b>   | <b>NOMINAL MAX. PORE SIZE MM</b><br><b>VALOR NOMINAL DEL DIÁM. MÁX DEL PORO MM</b><br><b>VALEUR NOMINALE DE LA GRANDEUR MAXIMALE DES PORES EN MM</b>   | <b>AREAS OF APPLICATION</b><br><i>(Examples)</i> | <b>CAMPOS DE APLICACIÓN</b><br><i>(Ejemplos)</i> | <b>DOMAINES D'APPLICATION</b><br><i>(Exemples)</i> |
|---|-------|---------|--|---|--|--|--|--|
| 0 | P 250 | 160-250 | <b>Gas distribution:</b> Gas distribution in liquids with low gas pressure. Filtration of coarsest precipitates.   | <b>Distribución de gas:</b> Distribución de gas en líquidos con escasa presión gaseosa. Filtración de los precipitados más bastos.  | <b>Distribution du gaz:</b> Distribution de gaz dans des liquides à faible pression de gaz. Filtration des précipitations les plus grossières.   |  |  |  |
| 1 | P 160 | 100-160 | <b>Coarse filtration, Filtration of coarsest precipitates, Gas distribution in liquids:</b> Liquid distribution, coarse glass filters, extraction apparatus for coarse-grained material. Substrates for loose filter layers against gelatinous precipitates. | <b>Filtración basta:</b> Filtración de precipitados bastos, distribución de gases en líquidos, distribución de líquidos: filtros de gas bastos, aparatos de extracción para materia de grano grueso. Base de asiento para capas sueltas filtrantes contra precipitados gelatinosos. | <b>Filtration grossière, filtration des précipitations les plus grossières:</b> Distribution de gaz dans des liquides. Distribution de liquides filtres grossiers à gaz, appareils d'extraction pour matières à gros grains. Substrats de couches filtrantes mobiles pour précipitations gélatineuses. |  |  |  |
| 2 | P 100 | 40-100  | <b>Preparative fine filtration:</b> Preparative work with crystalline precipitates. Mercury filtration.  | <b>Filtración fina de preparación:</b> Trabajos preparativos con precipitados cristalinos. Filtración de mercurio .   | <b>Filtration fine de préparation:</b> Opérations de préparation pour précipitations cristallines. Filtration du mercure.  |  |  |  |
| 3 | P 40  | 16-40   | <b>Analytical filtration:</b> Analytical work with medium fine precipitates. Preparative work with fine precipitates. Filtration in cellulose chemistry, fine glass filters. Extraction apparatus for fine grained material.                                 | <b>Filtración analítica:</b> Trabajos analíticos con precipitados finos. Filtración en química de la celulosa, filtros finos para gases, aparatos de extracción para materia de grano fino.   | <b>Filtration d'analyse:</b> Opérations d'analyse pour des précipitations mi-fines. Opérations de préparation pour des précipitations fines. Filtration dans la chimie de la cellulose, filtres fins à gaz. Appareils d'extraction pour matières à grains fins.  |  |  |  |
| 4 | P 16  | 10-16   | <b>Analytical fine filtration:</b> Analytical work with very fine precipitates (e. g. BaSO4, Cu2O). Preparative work with correspondingly fine precipitates. Non-return valves and check valves for mercury.   | <b>Filtración fina analítica:</b> Trabajos analíticos con precipitados muy finos por ejemplo BaSO4, CU2O. Trabajos preparativos con precipitados análogamente finos. Válvulas de retención y de cierre para mercurio.   | <b>Filtration fine d'analyse:</b> Opérations d'analyse pour des précipitations très fines (par exemple: BaSO4, Cu2O). Opérations de préparation pour des précipitations de finesse appropriée. Clapets anti-retour et soupapes d'arrêt pour le mercure.  |  |  |  |
| 5 | P 1,6 | 1,0-1,6 | <b>Ultrafine filtration</b>  | <b>Filtración de alta precisión</b>   | <b>Filtration ultra fine</b>   |  |  |  |

## SALES AND TERMS CONDITIONS

### 1. PRICES

Ex Works NORMAX Lda., Rua Santa Isabel, 17 - 2430-475 Marinha Grande - Portugal.  
We reserve the right to adjust the price in case of unforeseen increases in raw materials.

### 2. MINIMUM OF ORDERS

Minimum order value of Eur 500,00, freight cost excluded, required for Europe.  
For the rest of the world, a minimum order value of 1,000 EUR/USD, freight cost excluded, is required.  
Orders below these amounts will have a handling fee of Eur. 50,00.

### 3. ADDED CHARGES, WHEN APPLICABLE

Certificate of origin signed by our local Chamber of Commerce: Eur 70,00.  
Legalisation of invoice by our local Chamber of Commerce: Eur 150,00 /each invoice.  
Legalisation of any other document at any Embassy or Consulate, or Apostille Convention: According to the charges incurred by NORMAX, Lda.

### 4. QUOTATION REQUESTS AND ORDER CONFIRMATION

We will validate only quotations or proforma invoice requests made in writing and when including our code references & quantities.

### 5. PARTIAL DELIVERIES

In the absence of a special request or prior agreement, we are able to provide partial deliveries.  
For production reasons, a variation of 15% in the ordered quantity is permissible and it shall be accepted and paid by the customer.

### 6. PACKAGING

Standard cardboard boxes.  
The use of wooden pallets will have an additional cost of Eur. 10,00.  
The use of wooden pallet covered with cardboard box (for pallets up to 1,5 m high, only) in addition to standard packing will be charged at Eur. 16,00 per pallet.

### 7. CREDIT AND PAYMENT TERMS

Unless otherwise agreed, for orders that do not exceed Eur. 10.000,00, payment of 100% of the order value shall be made before shipment of the goods. For orders equal to or exceeding Eur. 10.000,00, a down payment of 30% of the total order value shall be made by bank transfer at order confirmation date. The remaining 70% shall be paid when goods are ready to be shipped. We expect to receive this last payment within 7 days after the goods are ready to be shipped; the failure to comply, will imply the cancellation of the order. If a cancellation of order should occur, we reserve the right to keep the down payment to cover our expenses. Payments by Letter of Credit or Cash Against Documents are accepted only for orders exceeding Eur./USD 10.000,00, freight charges excluded. When partial deliveries are accepted, due date is calculated when each shipment is made and not when the complete order is shipped. We reserve the right to reject new orders or to cancel any outstanding shipment, when invoices are pending to be paid.

### 8. BROKEN, MISSING OR NON-ACCEPTED PRODUCTS AT GOODS RECEPTION

In case of receipt of damaged cartons or pallets, it should be immediately reported to the transport company by describing the event in the transporter delivery documents. Also, photos of the damaged packaging and goods will be required.  
In case of breakage with no damaged packaging, photos are also required.

### 9. RETURN OF GOODS

The return of goods shall not be accepted if not previously approved by our services.  
The freight charges of the returned goods will be at the customer's expense, except if the error or defect is Normax responsibility. In this case, we will only accept shipments made by our forwarders.  
Special/Customised products, according to customer's specifications, cannot be returned.  
The return of goods requires our express consent in writing.  
The goods to be returned must be properly packaged for safe transportation in their original packaging and labelling. If these conditions are not respected, the refund will not be accepted.

### 10. COMPLAINTS

Accepted only in a stated period of 15 days after the receipt of merchandise and when presented in writing.

### Marinha Grande, the 1<sup>st</sup> January 2020

Sale conditions available at • Conditions de vente disponibles sur • Condiciones de venta disponibles en: [www.normax.pt](http://www.normax.pt)

**PLEASE NOTE:** Sale conditions are not vinculative and can be subject to modifications.

Product description, units, images and other elements can be subject to modifications without prior notice. Some images serve the purpose of illustration and may not correspond exactly to the described product. We always recommend to check all the information in our website. If you have any questions please contact us by email or telephone.

**TENER EN CUENTA:** las condiciones de venta no son vinculantes y pueden estar sujetas a modificaciones. La descripción del producto, las unidades, las imágenes y otros elementos pueden estar sujetos a modificaciones sin previo aviso. Algunas imágenes sirven para fines ilustrativos y pueden no corresponder exactamente con el producto descrito. Siempre recomendamos consultar toda la información en nuestra página web. Si tiene alguna pregunta, contáctenos por correo electrónico o por teléfono.

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LABORATORY EQUIPMENT • EQUIPOS DE LABORATORIO • ÉQUIPEMENT DE LABORATOIRE

 **NORMAX**





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