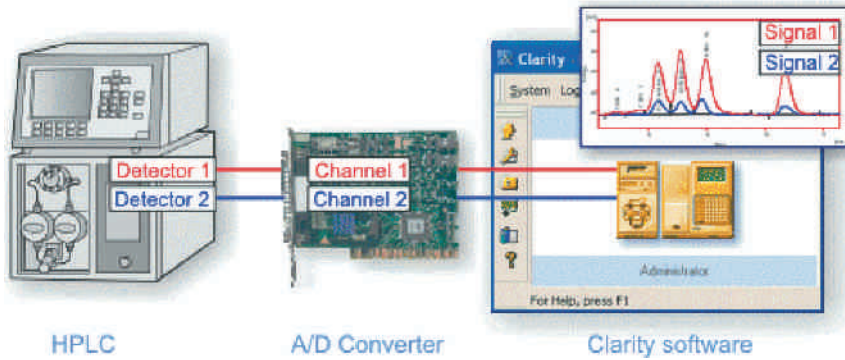




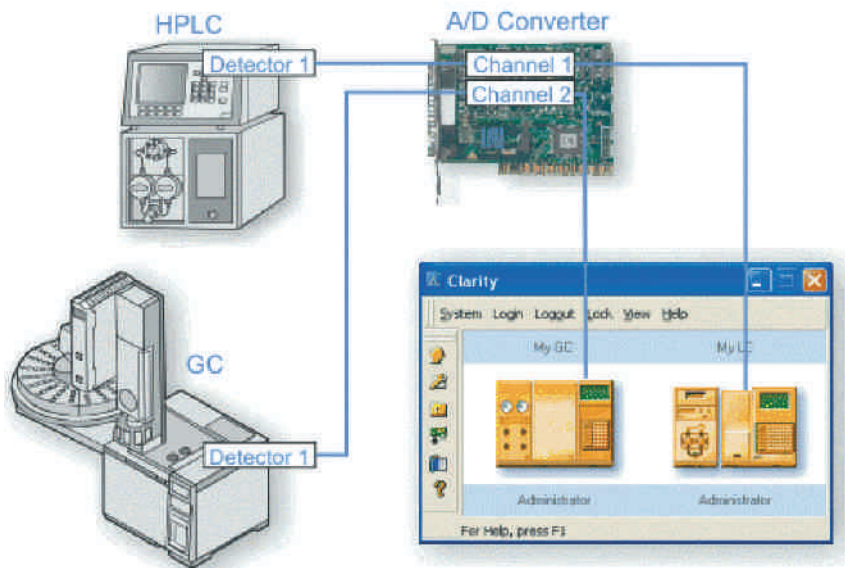
### Clarity - Examples of typical configurations

*Exemples typiques de configuration*

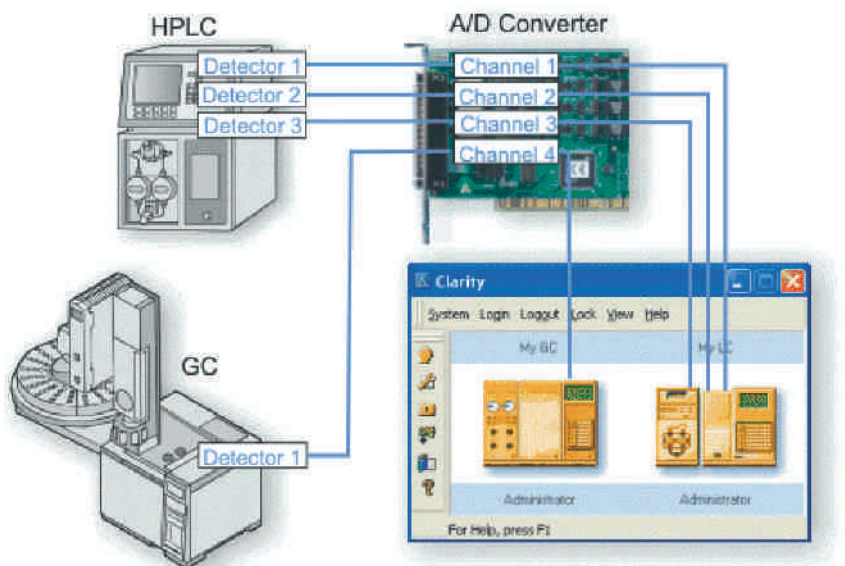
#### One chromatograph with two detectors



#### Two chromatographs each with single detector



#### Two chromatographs one with multiple detectors





### HPLC Validation kits for IQ/OQ/PQ Qualification

#### *Kits de validation IQ/OQ/PQ pour HPLC*

#### **Gradient HPLC Validation Starter Kit**

HPLC software (single PC installation) supplied on CD plus datadisc containing electronic copies of current Standard Operating Procedures and validation licences for one year from order date to permit testing of: Flow Rate Accuracy, Gradient Accuracy, Gradient Linearity, Temperature Accuracy, Autosampler Precision & Carryover, Autosampler Linearity, UV Wavelength Accuracy in manual and scanned modes, and UV Absorbance Linearity. Solutions for a minimum of two complete gradient system validations (2 x 5 vials of UV detector linearity and 2 x vials UV wavelength accuracy solutions, 2 x vials autosampler test solution, 2 x vials gradient accuracy test solution) with traceable Certificates of Analysis

*Kit de validation spécifique pour HPLC version à gradient. Il comprend un logiciel pour gradient (avec une seule licence pour PC), un log book, licences de validation et solutions pour un minimum de 2 validations complètes d'un système à gradient (solutions de linéarité et de longueur d'onde pour le détecteur, solutions pour l'injecteur automatique, solutions pour gradient). Avec certificats d'analyse*



**Order No.**  
**N° de code**  
**8.258.600**



HPLC system from JASCO  
our partner in the laboratory world

#### **UV/Vis Detector Validation Refill Kit**

for use with the starter kit, consisting of: 2 x 1 vials of solution for UV wavelength accuracy, 2x5 vials of solution for UV linearity and certificates of Analysis

*Kit de recharge pour validation spécifique du détecteur UV/Vis. Il comprend des ampoules à solutions pour un minimum de 2 validations complète d'un détecteur UV (longueur d'onde et linéarité)*

**Order No.**  
**N° de code**  
**8.258.610**

#### **FL Fluorescence Detector Validation Kit**

to permit testing of Emission Wavelength Accuracy and Fluorescence Response Linearity. Solutions for a minimum of two FL detector validations (2 x vials wavelength accuracy solution, 2 x 5 response linearity solutions), and Certificates of Analysis

*Kit de validation spécifique pour détecteur à Fluorescence. Il comprend des licences de validation et solutions pour un minimum de 2 validations complète d'un détecteur à fluorescence*

**Order No.**  
**N° de code**  
**8.258.620**



#### **RI Refractive Index Detector Validation Kit**

to permit testing of RI Response Linearity. Solutions for a minimum of two RI detector validations (2 x 5 response linearity solutions), and Certificates of Analysis

*Kit de validation spécifique pour détecteur à Indice de Réfraction. Il comprend des licences de validation et solutions pour un minimum de 2 validations complète d'un détecteur à fluorescence*

**Order No.**  
**N° de code**  
**8.258.630**

**Column validation kit Alltima C18 of 5µm,** consists of 3 columns from 3 different batches 4.6 x 250 mm. Usefull for the validation of methods

*Kit de validation de colonnes analytiques Alltima C18 de 5µm et qui consiste en 3 colonnes de différents batches de dimensions 4.6 x 250 mm et recommandé pour la validation de méthodes*

**Order No.**  
**N° de code**  
**8.258.640**



**Gas Chromatograph Validation starter kit**  
GC software program (with licence for single PC installation), printed and electronic copies of Standard Operating Procedures, log book, data disc containing validation licences for one year from order date to permit testing of Temperature Accuracy and Stability, Pressure accuracy and Tightness, Flow rate, GC linearity and precision. Solutions for a minimum of two complete GC system validations (2 x 7 standard solutions) with Certificates of Analysis. For 2 complete GC system qualifications

*Système de validation pour Chromatographe en phase gazeuse, kit de démarrage permettant la qualification complète de 2 chromatographes. Il comprend un logiciel (avec une seule licence pour PC), un log book, licences de validation et solutions. Complet avec certificats d'analy*

**Order No.**  
**N° de code**  
**8.258.650**

### GC Refilling Validation Kit

For use with the starter kit. Solutions for a minimum of two complete GC system validations. Complete with Certificates of Analysis

*Kit de remplissage pour le kit de démarrage*  
*Uniquement si l'utilisateur est déjà en possession du Kit de démarrage pour la validation d'un chromatographe en phase gazeuse. Livré avec solutions nécessaires aux validations y compris les certificats*

**Order No.**  
**N° de code**  
**8.258.660**



Gas chromatograph from AGC, our partner in the laboratory world



### TLC PLATES READY TO USE

*Plaques, prêtes à l'emploi*

TLC Plates, ready-to-use Silica 60, particle size 5-17 µm

*Plaques pour CCM, prêtes à l'emploi, avec revêtement en silice 60, 5-17 µm*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 50	Pack of 25
SIL G-25	0.25 mm	8.259.000	8.259.100	8.259.200	8.259.300	8.259.400
SIL G-25 UV <sub>254</sub>	0.25 mm	8.259.001	8.259.101	8.259.201	8.259.301	8.259.401
SIL G-25 UV <sub>254 + 366</sub>	0.25 mm	-	8.259.102	-	8.259.302	8.259.402
Pack of 20						
SIL G-50	0.50 mm	-	-	-	-	8.259.403
SIL G-25 UV <sub>254</sub>	0.25 mm	-	-	-	-	8.259.404
Pack of 15						
SIL G-100	1.00 mm	-	-	-	-	8.259.405
SIL G-100 UV <sub>254</sub>	1.00 mm	-	-	-	-	8.259.406
Polygram	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Polyestère</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 50	Pack of 25
SIL G	0.20 mm	-	8.259.110	-	-	8.259.410
SIL G/UV <sub>254</sub>	0.20 mm	-	8.259.111	-	-	8.259.411
Alugram	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Aluminium</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
SIL G	0.20 mm	8.259.020	8.259.120	-	8.259.320	8.259.420
SIL G/UV <sub>254</sub>	0.20 mm	8.259.021	8.259.121	-	8.259.321	8.259.421

HPTLC Plates, ready-to-use with Nano grade Silica 60, particle size 2-10 µm

*Plaques pour HPTLC, prêtes à l'emploi, avec revêtement en Nano de silice 60, 2-10 µm*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 50	Pack of 25
Nano-SIL-20	0.25 mm	-	-	8.259.230	8.259.330	-
Nano-SIL-20 UV <sub>254</sub>	0.25 mm	-	-	8.259.231	8.259.331	-
Alugram	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Aluminium</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
Nano-SIL G	0.20 mm	-	8.259.140	-	-	8.259.440
Nano-SIL G/UV <sub>254</sub>	0.20 mm	-	8.259.141	-	-	8.259.441

Reversed phase TLC and HPTLC Plates, ready-to-use with C18 Nano silica (RP-18)

*Plaques à phase inversée pour CCM et HPTLC, prêtes à l'emploi, avec revêtement en nano silice C18 (RP-18)*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 50	Pack of 25
Nano-SIL C18-50% silanised	0.20 mm	-	-	8.259.250	-	-
Nano-SIL C18-50%- UV <sub>254</sub>	0.20 mm	-	-	8.259.251	-	-
Nano-SIL C18-100% silanised	0.20 mm	-	-	8.259.252	-	-
Nano-SIL C18-100%- UV <sub>254</sub>	0.20 mm	-	-	8.259.253	-	-
Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
RP-18W/ UV <sub>254</sub>	0.25 mm	-	8.259.160	8.259.260	8.259.360	8.259.460
Pack of 15						
RP-18W/ UV <sub>254</sub>	1.0 mm	-	-	-	-	8.259.465
Alugram	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Aluminium</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
RP-18W/ UV <sub>254</sub>	0.15 mm	8.259.070	8.259.170	8.259.270	-	8.259.470





**TLC and HPTLC Plates, ready-to-use with modified silica layers**  
Nano-SIL NH<sub>2</sub>

*Plaques pour CCM et HPTLC, prêtes à l'emploi, avec revêtement amino-modifié en Nano-SIL NH<sub>2</sub>*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 50	Pack of 25
Nano-SIL NH <sub>2</sub>	0.20 mm	-	-	8.259.280	8.259.380	-
Nano-SIL NH <sub>2</sub> /UV <sub>254</sub>	0.20 mm	-	-	8.259.281	8.259.381	-
Alugram	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Aluminium</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
Nano-SIL NH <sub>2</sub> /UV <sub>254</sub>	0.15 mm	-	-	-	-	8.259.490

**TLC and HPTLC Plates, ready-to-use with modified silica layers**  
Nano-SIL DIOL/UV

*Plaques pour CCM et HPTLC, prêtes à l'emploi, avec revêtement amino-modifié en Nano-SIL DIOL/UV*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 25	Pack of 25
Nano-SIL DIOL/UV <sub>254</sub>	0.20 mm	-	-	8.259.700	8.259.800	-
Alugram	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Aluminium</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
Nano-SIL DIOL/UV <sub>254</sub>	0.15 mm	-	-	-	-	8.259.910

**HPTLC method development kits to facilitate selection of the optimum HPTLC plate for a given separation**

*Kits HPTLC de développement de méthode*

**Development kit with glass plates**

*Kit de développement avec 3 plaques en verre de 10 x 10 cm*

Description	Order No.
<i>Description</i>	<i>N° de code</i>
3 glass plates 10 x 10 cm (scored to 5 x 10 cm) each of Nano-SIL C18-100/UV <sub>254</sub> , RP-18W/UV <sub>254</sub> , RP-2/UV <sub>254</sub> , Nano-SIL CN/UV, Nano-SIL NH <sub>2</sub> /UV, Nano-SIL DIOL/UV	8.259.990

**Development kit with aluminium sheets Alugram**

*Kit de développement avec 5 plaques en aluminium de 4 x 8 cm*

Description	Order No.
<i>Description</i>	<i>N° de code</i>
5 sheets 4 x 8 cm each of RP-18 W/UV <sub>254</sub> , RP-2/UV <sub>254</sub> , Nano-SIL CN/UV, Nano-SIL NH <sub>2</sub> /UV, Nano-SIL DIOL/UV	8.259.995

**Aluminium Oxide basic TLC Plates, ready-to-use**

*Plaques pour CCM en oxide d'aluminium, prêtes à l'emploi*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 25	Pack of 25
ALOX-25	0.25 mm	-	8.260.100	-	-	8.260.400
ALOX-25 UV <sub>254</sub>	0.25 mm	-	8.260.101	-	-	8.260.401
ALOX-100 UV <sub>254</sub>	1.00 mm	-	-	-	-	8.2609.402
Polygram	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Polyestère</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
ALOX N	0.20 mm	-	8.260.110	-	-	8.260.410
ALOX N/UV <sub>254</sub>	0.20 mm	-	8.260.111	-	-	8.260.411
Alugram	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Aluminium</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
ALOX N	0.20 mm	-	8.260.120	-	-	8.260.420
ALOX N/UV <sub>254</sub>	0.20 mm	-	8.260.121	-	-	8.260.421



**Cellulose MN 300 (Native fibrous cellulose) - TLC Plates,**  
ready-to-use unmodified cellulose layers

*Plaques pour CCM en cellulose 300 non-modifiée, prêtes à l'emploi*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 50	Pack of 25
CEL 300-10	0.10 mm		8.260.130		8.260.330	8.260.430
CEL 300-10 UV <sub>254</sub>	0.10 mm		8.260.131		8.260.331	8.260.431
CEL 300-25	0.25 mm				8.260.332	8.260.432
CEL 300-25 UV <sub>254</sub>	0.25 mm				8.260.334	8.260.433
CEL 300-50	0.50 mm					8.260.434
CEL 300-50 UV <sub>254</sub>	0.50 mm					8.260.435
Polygram Polyester sheets	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Polyestère</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
CEL 300	0.10 mm	-	8.260.140	-	-	8.260.440
CEL 300 UV <sub>254</sub>	0.10 mm	-	8.260.141	-	-	8.260.441
Alugram Aluminium sheets	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Aluminium</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
CEL 300	0.10 mm	-	8.260.150	-	-	8.260.450
CEL 300 UV <sub>254</sub>	0.10 mm	-	8.260.151	-	-	8.260.451

**Cellulose MN 400 (microcrystalline cellulose) - TLC Plates,**  
ready-to-use unmodified cellulose layers

*Plaques pour CCM en cellulose microcristalline non-modifiée prêtes à l'emploi*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 50	Pack of 25
CEL 400-10	0.10 mm	-	-	-	8.260.360	8.260.460
CEL 400-10 UV <sub>254</sub>	0.10 mm	-	-	-	8.260.361	8.260.461
Polygram Polyester sheets	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en Polyestère</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 50	Pack of 25	Pack of 20	Pack of 25
CEL 400	0.10 mm	-	8.260.170	-	-	8.260.470
CEL 400 UV <sub>254</sub>	0.10 mm	-	8.260.171	-	-	8.260.471

**Special TLC / HPTLC plates,**  
ready-to-use for separation of aflatoxins

*Plaques spéciales de CCM / HPTLC, prêtes à l'emploi pour la séparation des aflatoxines*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 50	Pack of 25
SIL G25HR	0.25 mm	-	-	-	-	8.260.480
SIL G25HR UV <sub>254</sub>	0.25 mm	-	-	-	-	8.260.481

**Special TLC / HPTLC plates,**  
ready-to-use for separation of surfactants

*Plaques spéciales de CCM / HPTLC, prêtes à l'emploi pour la séparation des surfactants*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 50	Pack of 25
SIL G25HR	0.25 mm	-	-	-	-	8.260.480
SIL G25HR UV <sub>254</sub>	0.25 mm	-	-	-	-	8.260.481

**Special TLC / HPTLC plates,**  
ready-to-use for separation of Polycyclic aromatic hydrocarbons

*Plaques spéciales de CCM / HPTLC, prêtes à l'emploi pour la séparation des PAH*

Glass Plates	Layer thickness	Size 5 x 10 cm	Size 5 x 20 cm	Size 10 x 10 cm	Size 10 x 20 cm	Size 20 x 20 cm
<i>Plaques en verre</i>	<i>Epaisseur de couche</i>	Pack of 50	Pack of 100	Pack of 25	Pack of 50	Pack of 25
Nano-SIL-PAH	0.20 mm	-	-	8.260.700	8.260.800	-



### TLC-Micro diffuser "Ecospray" *Pulvérisateur pour CCM "Ecospray"*

**TLC-Micro diffuser "Ecospray"**  
for spraying reagent and indicator solutions with sprayer part made of PET resistant against acids and solvents. Capillary tube made of plastic and nozzle made of metal. The interchangeable pressure bomb is used for approx. 330 ml of liquid. Supplied with 125 ml bottle with screw-neck made of PET and one pressure bomb. Dimensions: 100 x 130 x 50 mm

**Pulvérisateur pour CCM "Ecospray"**  
micro diffuseur à réserve de pression qui pulvérise sur mesure des fluides. Il est équipé d'une tête de vaporisation en PET résistant à la plupart des acides et solvants, d'un tube capillaire en plastique, d'une buse métallique et est livré avec un flacon en PET de 125 ml à col à vis et d'une bombe de pression suffisante pour 330 ml de liquide. Dimensions : 100 x 130 x 50 mm

Description	Order No.
Description	N° de code
TLC micro diffuser „Ecospray“ <i>Pulvérisateur pour CCM "Ecospray"</i>	8.260.900

#### Consumables / Consommables:

Set of 3 pressure bombs for Ecospray <i>Jeu de 3 bombes à pression pour Ecospra</i>	8.260.910
Set of 3 PET bottles with screw- neck <i>Jeu de 3 flacons à col à vis en PET</i>	8.260.911
Set of 3 spare nozzles with capillary tube and with different openings: 0.5 / 0.7 / 0.9 mm <i>Jeu de 3 buses avec tube capillaire et de différentes ouvertures : 0.5 / 0.7 / 0.9mm</i>	8.260.912



8.260.9\*\*

### Standard phase for Solid Phase Extraction *Produits d'extraction à phase solide standard SPE*

#### Vacuum Manifolds for SPE

suitable for sample preparation, filtration and elution for up to 24 columns and available in 12, 16 or 24 port configurations. Supply as complete set but without vacuum pump and columns

**Modules d'Extraction en Phase Solide SPE**  
sous vide permettant l'extraction ou la filtration simultanée pour jusqu'à 24 colonnes, disponibles en version à 12, 16 ou 24 voies et livrée complète, mais sans pompe à vide et sans colonnes

Description	Order No.
Description	N° de code
12 Port Vacuum Manifold, complete set <i>Module d'extraction SPE à 12 voies, complet</i>	8.261.000
16 Port Vacuum Manifold, complete set <i>Module d'extraction SPE à 16 voies, complet</i>	8.261.001
24 Port Vacuum Manifold, complete set <i>Module d'extraction SPE à 24 voies, complet</i>	8.261.002

#### Spare parts & accessories / Pièces de rechange & accessoires

	12 Port	16 Port	24 Port
Glass chamber <i>Cuve en verre</i>	8.261.010	8.261.020	8.261.030
Cover, gasket and 12 stopcocks <i>Couvercle, joint et 12 robinets</i>	8.261.011	8.261.021	8.261.031
Gaskets (2 pcs.) <i>Joints (jeu de 2)</i>	8.261.012	8.261.022	8.261.032
Vacuum gauge, valve and glass chamber <i>Manomètre à vide, vanne et cuve en verre</i>	8.261.013	8.261.023	8.261.033
Needles, Polypropylene (12, 16 or 24 pcs.) <i>Aiguilles en polypropylène (12, 16 ou 24 pièces)</i>	8.261.014	8.261.024	8.261.034
Needles, stainless steel (12, 16 or 24 pcs.) <i>Aiguilles en acier inoxydable (12, 16 ou 24 pièces)</i>	8.261.015	8.261.025	8.261.035
Rack-shelves, legs, chips & posts <i>Etagère intérieure avec support</i>	8.261.016	8.261.026	8.261.036
Plate for 13 mm vials <i>Plaque pour vials de 13 mm</i>	8.261.017	8.261.027	8.261.037
Plate for 16 mm test tubes <i>Plaque pour tubes à essais de 16 mm</i>	8.261.018	8.261.028	8.261.038
Stopcocks (12, 16 or 24 pcs.) <i>Robinetts (12, 16 ou 24 pièces)</i>	8.261.019	8.261.029	8.261.039



8.261.0\*\*



8.261.04\*

### Drying Attachments

for use with the vacuum Manifolds and are used to conduct the flow air or nitrogen into the collection vessels to concentrate eluants, prior the analysis

### Dispositifs de séchage

servant à diriger un flux d'air ou d'azote dans les tubes collecteurs pour sécher les éluants, avant l'analyse

Description <i>Description</i>	Order No. <i>N° de code</i>
12 Port drying attachment <i>Dispositif de séchage pour 12 voies</i>	8.261.040
16 Port drying attachment <i>Dispositif de séchage pour 16 voies</i>	8.261.041
24 Port drying attachment <i>Dispositif de séchage pour 24 voies</i>	8.261.042



8.261.05\*

### Disposable Teflon needles

for vacuum manifold SPE

### Aiguilles en téflon à usage unique

pour modules d'extraction

Description <i>Description</i>	Order No. <i>N° de code</i>
Teflon needles, 100 pieces <i>Aiguilles en téflon, 100 pièces</i>	8.261.050
Teflon needles, 500 pieces <i>Aiguilles en téflon, 500 pièces</i>	8.261.051
Teflon needles with control valve, 25 pieces <i>Aiguilles en téflon avec vanne de contrôle, 25 pièces</i>	8.261.052
Teflon needles with control valve, 50 pieces <i>Aiguilles en téflon avec vanne de contrôle, 50 pièces</i>	8.261.053

### Chromabond Easy polypropylene columns

#### Applications:

drug analysis from urine, blood, serum, plasma, pharmaceuticals / active ingredients from tablets, creams, polar herbicides / pesticides from water (acidic, neutral, basic), polar phenols from water, polyaromatic compounds, polychlorated biphenyls

### Colonnes Chromabond Easy en Polypropylène

#### Applications:

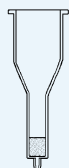
Analyse des médicaments dans l'urine, le sang, le sérum, le plasma, constituants actifs pharmaceutiques dans les comprimés, crèmes, herbicides polaires / pesticides dans l'eau (acidique, neutre, base), phénols de base dans l'eau, composés polyaromatiques, biphenoles polychlorés

Volume <i>Volume</i> ml	Pack of <i>Conditionnement</i> pcs.	30 mg	60 mg	100 mg	200 mg	500 mg	1000 mg
1	30	8.261.100	-	8.261.120	-	-	-
3	30	-	8.261.111	-	8.261.131	8.261.141	-
6	30	-	-	-	8.261.132	8.261.142	-
15	20	-	-	-	-	8.261.143	8.261.153



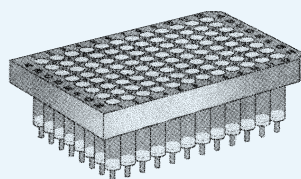
Chromabond Polypropylene or glass columns

*Colonnes Chromabond en Polypropylène ou en verre*



Chromabond LV columns

*Colonnes Chromabond LV*



Chromabond Multi 96

*Modules à 96 puits Chromabond*

### Chromabond Easy glass columns

### Colonnes Chromabond Easy en verre

Volume <i>Volume</i> ml	Pack of <i>Conditionnement</i> pcs.	30 mg	60 mg	200 mg
1	30	8.261.160	-	-
3	30	-	8.261.171	-
6	30	-	-	8.261.182

### Chromabond LV-Easy columns

### Colonnes Chromabond LV-Easy

Volume <i>Volume</i> ml	Pack of <i>Conditionnement</i> pcs.	30 mg	60 mg	200 mg
15	30	8.261.200	8.261.210	8.261.220

### Chromabond Multi 96-Easy

### Modules à 96 puits Chromabond

Description <i>Description</i>	Pack of <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
96 x 25 mg	1	8.261.230
96 x 50 mg	1	8.261.240
Easy absorbent 20 g	1	8.261.240





### Chromabond HR-P polypropylene columns

#### Applications:

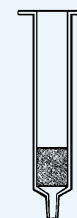
AOX determination in waters containing high salt loads / Organic pollutants (DIN 38409 – H22)

### Colonne Chromabond Easy en Polypropylène

#### Applications:

Détermination des AOX dans les eaux contenant des charge à hautes teneur en sel / polluants organiques

Volume Volume ml	Pack of Conditionnement pcs.	20 mg	50 mg	100 mg	200 mg	500 mg	1000 mg
1	30	8.261.300	8.261.310	8.261.320	-	-	-
3	30	-	-	-	8.261.331	8.261.341	-
6	30	-	-	-	-	8.261.342	8.261.352



Chromabond Polypropylene or glass columns  
Colonne Chromabond en Polypropylène ou en verre

### Chromabond HR-P glass columns

### Colonne Chromabond HR-P en verre

Volume Volume ml	Pack of Conditionnement pcs.	20 mg	50 mg	100 mg	200 mg	500 mg	1000 mg
1	30	8.261.400	8.261.410	8.261.420	-	-	-
3	30	-	-	-	8.261.431	8.261.441	-
6	30	-	-	-	-	8.261.442	8.261.452

### HR-PEasy columns

### Colonne Chromabond LV-HR-P

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	200 mg	500 mg
15	30	8.261.470	8.261.480	8.261.490



Chromabond LV columns  
Colonne Chromabond LV

### Chromafix HR-P cartridges

### Cartouches Chromafix HR-P

Description Description	Pack of Conditionnement pcs.	Order No. N° de code
0.4 ml / 125 mg	50	8.261.500
0.8 ml / 250 mg	50	8.261.510
1.8 ml / 600 mg	50	8.261.520

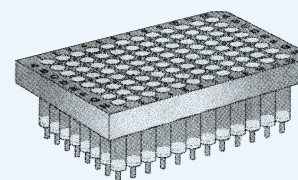


Chromafix HR-P cartridges  
Cartouches Chromafix

### Chromabond Multi 96-HR-P

### Modules à 96 puits Chromabond Multi 96-HR-P

Description Description	Pack of Conditionnement pcs.	Order No. N° de code
96 x 25 mg	1	8.261.550
96 x 50 mg	1	8.261.560
96 x 100 mg	1	8.261.560
HR-P absorbent 20 g	1	8.261.580



Chromabond Multi 96  
Modules à 96 puits Chromabond

### Chromabond C18 ec polypropylene columns

particle size 45 µm

#### Applications:

nonpolar compounds, aflatoxins, amphetamines, antibiotics, antiepileptics, barbiturates, caffeine, drugs, preservatives, fatty acids, nicotine, PAHs, pesticides, PCBs, heavy metals, vitamins and very well suited for desalting of samples

### Colonne Chromabond C18 ec en Polypropylène

porosité 45 µm

#### Applications:

composés non polaires, aflatoxines, amphétamines, antibiotiques, anti-épileptiques, barbiturates, caféine, drogues, préservatifs, acides gras, nicotine, PAH, pesticides, PCB, métaux lourds. vitamines et également adapté au désalement d'échantillons.

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	200 mg	500 mg	1000 mg	2000 mg	5 g	10 g	50 g
1	100	8.261.600	-	-	-	-	-	-	-
3	50	-	8.261.611	8.261.621	-	-	-	-	-
6	30	-	-	8.261.622	8.261.632	8.261.642	-	-	-
15	20	-	-	-	-	8.261.643	-	-	-
45	20	-	-	-	-	-	8.261.654	-	-
70	10	-	-	-	-	-	-	8.261.665	-
150	10	-	-	-	-	-	-	-	8.261.676

### Chromabond C18 ec glass columns

particle size 45 µm

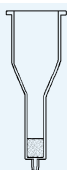
### Colonne Chromabond C18 ec en verre

porosité 45 µm

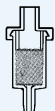
Volume Volume ml	Pack of Conditionnement pcs.	100 mg	200 mg	500 mg	1000 mg	2000 mg
1	100	8.261.800	-	-	-	-
3	50	-	8.261.811	8.261.821	-	-
6	30	-	-	8.261.822	8.261.832	8.261.842



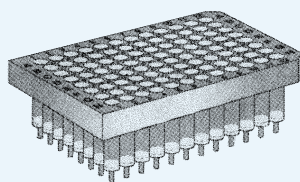
Chromabond Polypropylene or glass columns  
Colonne Chromabond en Polypropylène ou en verre



Chromabond LV columns  
*Colonnes Chromabond LV*



Chromafix HR-P cartridges  
*Cartouches Chromafix*



Chromabond Multi 96  
*Modules à 96 puits Chromabond*



Chromabond Polypropylene or  
glass columns  
*Colonnes Chromabond  
en Polypropylène ou en verre*



Chromabond Polypropylene or  
glass columns  
*Colonnes Chromabond  
en Polypropylène ou en verre*

### Chromabond LV-C18 ec columns particle size 45 µm

*Colonnes Chromabond LV-C18 ec  
porosité 45 µm*

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	200 mg	500 mg
15	30	8.261.850	8.261.860	8.261.870

### Chromafix C 18 ec cartridges particle size 45 µm

*Cartouches Chromafix C18 ec  
porosité 45 µm*

Description Description	Pack of Conditionnement pcs.	Order No. N° de code
0.4 ml / 200 mg	50	8.261.900
0.8 ml / 400 mg	50	8.261.910
1.8 ml / 900 mg	50	8.261.920

### Chromabond Multi 96 C 18 ec

*Modules à 96 puits Chromabond Multi 96 C 18 ec*

Description Description	Pack of Conditionnement pcs.	Order No. N° de code
96 x 25 mg	1	8.261.950
96 x 50 mg	1	8.261.960
96 x 100 mg	1	8.261.960
C 18 ec absorbent 100 g	1	8.261.980

### Chromabond C18 ec f polypropylene columns, particle size 100 µm

*Colonnes Chromabond C 18 ec f en  
Polypropylène, porosité 100 µm*

#### Applications:

non polar compounds, aflatoxins, amphetamines, antibiotics, antiepileptics, barbiturates, caffeine, drugs, preservatives, fatty acids, nicotine, PAHs, pesticides, PCBs, heavy metals, vitamins and very well suited for desalting of samples

#### Applications:

composés non polaires, aflatoxines, amphétamines, antibiotiques, anti-épileptiques, barbiturates, caféine, drogues, préservatifs, acides gras, nicotine, PAH, pesticides, PCB, métaux lourds, vitamines et également adapté au désalement d'échantillons

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	200 mg	500 mg	1000 mg
1	100	8.262.000	-	-	-
3	50	-	8.262.011	8.262.021	-
6	30	-	-	8.262.022	8.262.032

### Chromabond C 18 ec f glass columns particle size 100 µm

*Colonnes Chromabond C18 ec f en verre  
porosité 100 µm*

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	500 mg	1000 mg
1	100	8.262.000	-	-
3	50	-	8.262.011	-
6	30	-	-	8.262.022

### Chromabond C 8 polypropylene columns particle size 45 µm

*Colonnes Chromabond C 8 en Polypropylène,  
porosité 45 µm*

#### Applications:

Pesticides, PCBs

#### Applications:

Pesticides, PCB

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	200 mg	500 mg	1000 mg
1	100	8.262.100	-	-	-
3	50	-	8.262.111	8.262.121	-
6	30	-	-	8.262.122	8.262.132

### Chromabond C 8 glass columns particle size 45 µm

*Colonnes Chromabond C 8 en verre  
porosité 45 µm*

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	200 mg	500 mg	1000 mg
1	100	8.262.150	-	-	-
3	50	-	8.262.161	8.262.171	-
6	30	-	-	8.262.172	8.262.182



### Chromabond LV-C 8 columns

particle size 45 µm

### Colonnes Chromabond LV-C 8

porosité 45 µm

Volume	Pack of	100 mg	500 mg
Volume	Conditionnement		
ml	pcs.		
15	30	8.262.200	8.262.210

### Chromafix C 8 cartridges

particle size 45 µm

### Cartouches Chromafix C 8

porosité 45 µm

Description	Pack of	Order No.
Description	Conditionnement	N° de code
	pcs.	
0.4 ml / 200 mg	50	8.262.250
0.8 ml / 400 mg	50	8.262.260
1.8 ml / 900 mg	50	8.262.270

### Chromabond Multi 96 C 8

### Modules à 96 puits Chromabond Multi 96 C 8

Description	Pack of	Order No.
Description	Conditionnement	N° de code
	pcs.	
96 x 25 mg	1	8.262.300
96 x 50 mg	1	8.262.310
96 x 100 mg	1	8.262.320
C 8 absorbent 100 g	1	8.262.330

### Chromabond C<sub>6</sub>H<sub>5</sub> polypropylene columns, particle size 45 µm

#### Applications:

Aflatoxins, caffeine, phenols

### Colonnes Chromabond C<sub>6</sub>H<sub>5</sub> en Polypropylène

porosité 45 µm

#### Applications:

Aflatoxines, caféine et phénols

Volume	Pack of	100 mg	200 mg	500 mg
Volume	Conditionnement			
ml	pcs.			
1	100	8.262.350	-	-
3	50	-	8.262.361	8.262.371

### Chromabond C<sub>6</sub>H<sub>5</sub> glass columns

particle size 45 µm

### Colonnes Chromabond C<sub>6</sub>H<sub>5</sub> en verre

porosité 45 µm

Volume	Pack of	100 mg	500 mg
Volume	Conditionnement		
ml	pcs.		
1	100	8.262.380	-
3	50	-	8.262.391

### Chromafix C<sub>6</sub>H<sub>5</sub> cartridges

particle size 45 µm

### Cartouches Chromafix C<sub>6</sub>H<sub>5</sub>

porosité 45 µm

Description	Pack of	Order No.
Description	Conditionnement	N° de code
	pcs.	
0.4 ml / 200 mg	50	8.262.400
0.8 ml / 400 mg	50	8.262.410
1.8 ml / 900 mg	50	8.262.420

### Chromabond Multi 96 C<sub>6</sub>H<sub>5</sub>

### Modules à 96 puits Chromabond Multi 96 C<sub>6</sub>H<sub>5</sub>

Description	Pack of	Order No.
Description	Conditionnement	N° de code
	pcs.	
96 x 25 mg	1	8.262.450
96 x 50 mg	1	8.262.460
96 x 100 mg	1	8.262.470
C <sub>6</sub> H <sub>5</sub> absorbent 100 g	1	8.262.480

### Chromabond NO<sub>2</sub> polypropylene columns

particle size 45 µm

#### Applications: aromatics

### Colonnes Chromabond NO<sub>2</sub> en Polypropylène

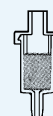
porosité 45 µm

#### Applications: aromatiques

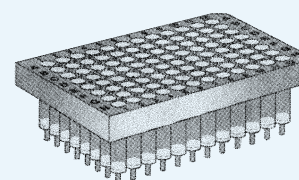
Volume	Pack of	500 mg	1000 mg
Volume	Conditionnement		
ml	pcs.		
3	50	8.262.500	-
6	30	-	8.262.511



Chromabond LV columns  
*Colonnes Chromabond LV*



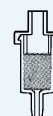
Chromafix HR-P cartridges  
*Cartouches Chromafix*



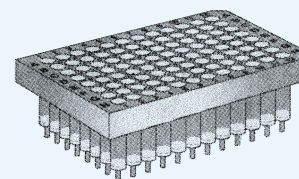
Chromabond Multi 96  
*Modules à 96 puits Chromabond*



Chromabond Polypropylene or glass columns  
*Colonnes Chromabond en Polypropylène ou en verre*



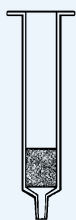
Chromafix HR-P cartridges  
*Cartouches Chromafix*



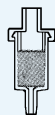
Chromabond Multi 96  
*Modules à 96 puits Chromabond*



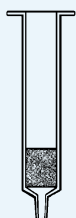
Chromabond Polypropylene or glass columns  
*Colonnes Chromabond en Polypropylène ou en verre*



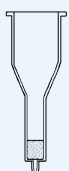
**Chromabond Polypropylene or glass columns**  
*Colonne Chromabond en Polypropylène ou en verre*



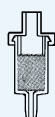
**Chromafix HR-P cartridges**  
*Cartouches Chromafix*



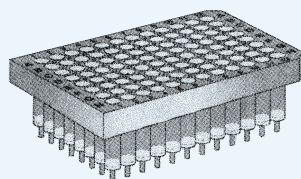
**Chromabond Polypropylene or glass columns**  
*Colonne Chromabond en Polypropylène ou en verre*



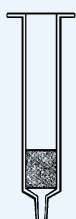
**Chromabond LV columns**  
*Colonne Chromabond LV*



**Chromafix HR-P cartridges**  
*Cartouches Chromafix*



**Chromabond Multi 96**  
*Module à 96 puits Chromabond*



**Chromabond Polypropylene or glass columns**  
*Colonne Chromabond en Polypropylène ou en verre*

**Chromabond NO<sub>2</sub> glass columns**  
particle size 45 µm

*Colonne Chromabond NO<sub>2</sub> en verre*  
porosité 45 µm

Volume Volume ml	Pack of Conditionnement pcs.	500 mg
3	50	8.262.520

**Chromafix NO<sub>2</sub> cartridges**  
particle size 45 µm

*Cartouches Chromafix NO<sub>2</sub>*  
porosité 45 µm

Description Description	Pack of Conditionnement pcs.	Order No. N° de code
0.8 ml / 400 mg	50	8.262.530

**Chromabond NH<sub>2</sub> polypropylene columns**  
particle size 45 µm

*Colonne Chromabond NH<sub>2</sub> en Polypropylène,*  
porosité 45 µm

**Applications:**  
trace elements, lipids

*Applications:*  
*analyses des traces, lipides*

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	200 mg	500 mg	1000 mg
1	100	8.262.550	-	-	-
3	50	-	8.262.561	8.262.571	-
6	30	-	-	8.262.572	8.262.582

**Chromabond NH<sub>2</sub> glass columns**  
particle size 45 µm

*Colonne Chromabond NH<sub>2</sub> en verre*  
porosité 45 µm

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	500 mg	1000 mg
1	100	8.262.600	-	-
3	50	-	8.262.611	-
6	30	-	8.262.612	8.262.622

**Chromabond LV-NH<sub>2</sub> columns**  
particle size 45 µm

*Colonne Chromabond LV-NH<sub>2</sub>*  
porosité 45 µm

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	500 mg
15	30	8.262.630	8.262.640

**Chromafix NH<sub>2</sub> cartridges**  
particle size 45 µm

*Cartouches Chromafix NH<sub>2</sub>*  
porosité 45 µm

Description Description	Pack of Conditionnement pcs.	Order No. N° de code
0.4 ml / 200 mg	50	8.262.650
0.8 ml / 400 mg	50	8.262.660
1.8 ml / 900 mg	50	8.262.670

**Chromabond Multi 96 NH<sub>2</sub>**

*Module à 96 puits Chromabond Multi 96 NH<sub>2</sub>*

Description Description	Pack of Conditionnement pcs.	Order No. N° de code
96 x 25 mg	1	8.262.700
96 x 50 mg	1	8.262.710
96 x 100 mg	1	8.262.720
NH <sub>2</sub> absorbent 100 g	1	8.262.730

**Chromabond CN (canopropyl silica) polypropylene columns**  
particle size 45 µm

*Colonne Chromabond CN en Polypropylène*  
porosité 45 µm

**Applications:**  
Cyclosporins, Carbohydrates

*Applications:*  
*cyclosporines, carbohydrates*

Volume Volume ml	Pack of Conditionnement pcs.	100 mg	200 mg	500 mg
1	100	8.262.750	-	-
3	50	-	8.262.761	8.262.771
3	50	-	-	8.262.772





### Chromabond CN glass columns

particle size 45 µm

### Colonnes Chromabond CN en verre

porosité 45 µm

Volume	Pack of	100 mg	500 mg
Volume	Conditionnement		
ml	pcs.		
1	100	8.262.780	-
3	50	-	8.262.791
6	30	-	8.262.792

### Chromabond LV-CN columns

particle size 45 µm

### Colonnes Chromabond LV-CN

porosité 45 µm

Volume	Pack of	200 mg
Volume	Conditionnement	
ml	pcs.	
15	30	8.262.800

### Chromafix CN cartridges

particle size 45 µm

### Cartouches Chromafix CN

porosité 45 µm

Description	Pack of	Order No.
Description	Conditionnement	N° de code
	pcs.	
0.4 ml / 200 mg	50	8.262.810
0.8 ml / 400 mg	50	8.262.820
1.8 ml / 900 mg	50	8.262.830

### Chromabond Multi 96 CN

### Modules à 96 puits Chromabond Multi 96 CN

Description	Pack of	Order No.
Description	Conditionnement	N° de code
	pcs.	
96 x 25 mg	1	8.262.850
96 x 50 mg	1	8.262.860
96 x 100 mg	1	8.262.870
CN absorbent 100 g	1	8.262.880

### Chromabond SiHO polypropylene columns

particle size 45 µm

#### Applications:

Aflatoxins, chloramphenicol, pesticides, steroids, vitamins

### Colonnes Chromabond SiHO en Polypropylène

porosité 45 µm

#### Applications:

Aflatoxines, chloramphénicol, pesticides, stéroïdes, vitamines

Volume	Pack of	100 mg	200 mg	500 mg	1000 mg	2000 mg	5 g	10 g	50 g
Volume	Conditionnement								
ml	pcs.								
1	100	8.261.900	-	-	-	-	-	-	-
3	50	-	8.261.911	8.261.921	-	-	-	-	-
6	30	-	-	8.261.922	8.261.932	8.261.942	-	-	-
15	20	-	-	-	-	8.261.943	-	-	-
45	20	-	-	-	-	-	8.261.954	-	-
70	10	-	-	-	-	-	-	8.261.965	-
150	10	-	-	-	-	-	-	-	8.261.976

### Chromabond SiHO glass columns

particle size 45 µm

### Colonnes Chromabond SiHO en verre

porosité 45 µm

Volume	Pack of	100 mg	200 mg	500 mg	1000 mg	2000 mg
Volume	Conditionnement					
ml	pcs.					
1	100	8.263.000	-	-	-	-
3	50	-	8.263.011	8.263.021	-	-
6	30	-	-	8.263.022	8.263.032	8.263.042

### Chromabond LV-SiOH columns

particle size 45 µm

### Colonnes Chromabond LV-SiOH

porosité 45 µm

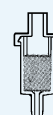
Volume	Pack of	100 mg	200 mg	500 mg
Volume	Conditionnement			
ml	pcs.			
15	30	8.263.050	8.263.060	8.263.070



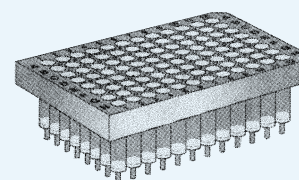
Chromabond Polypropylene or glass columns  
Colonnes Chromabond en Polypropylène ou en verre



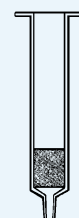
Chromabond LV columns  
Colonnes Chromabond LV



Chromafix HR-P cartridges  
Cartouches Chromafix



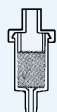
Chromabond Multi 96  
Modules à 96 puits Chromabond



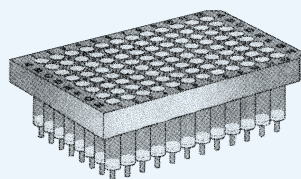
Chromabond Polypropylene or glass columns  
Colonnes Chromabond en Polypropylène ou en verre



Chromabond LV columns  
Colonnes Chromabond LV



Chromafix HR-P cartridges  
*Cartouches Chromafix*

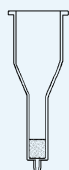


Chromabond Multi 96  
*Modules à 96 puits Chromabond*

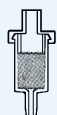


Chromabond Polypropylene or  
glass columns

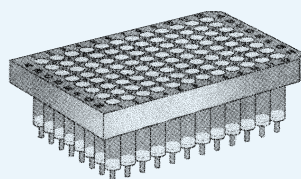
*Colonnes Chromabond  
en Polypropylène ou en verre*



Chromabond LV columns  
*Colonnes Chromabond LV*



Chromafix HR-P cartridges  
*Cartouches Chromafix*



Chromabond Multi 96  
*Modules à 96 puits Chromabond*

### Chromafix SiOH cartridges

particle size 45 µm

*Cartouches Chromafix SiOH*  
*porosité 45 µm*

Description <i>Description</i>	Pack of <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
0.4 ml / 200 mg	50	8.263.100
0.8 ml / 400 mg	50	8.263.110
1.8 ml / 900 mg	50	8.263.120

### Chromabond Multi 96 SiOH

*Modules à 96 puits Chromabond Multi 96 SiOH*

Description <i>Description</i>	Pack of <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
96 x 25 mg	1	8.263.150
96 x 50 mg	1	8.263.160
96 x 100 mg	1	8.263.170
SiOH absorbent 100 g	1	8.263.180

### Chromabond Florisil (magnesium silicate) polypropylene columns

particle size 150 - 250 µm

*Colonnes Chromabond Florisil en  
Polypropylène, porosité 150 - 250 µm*

#### Applications:

Organic tin compounds, aliphatic carboxylic acids, PCBs, PAHs

#### Applications:

*composés d'étain organique, aliphatique, acides carboxyliques, PCB et PAH*

Volume <i>Volume</i> ml	Pack of <i>Conditionnement</i> pcs.	100 mg	200 mg	500 mg	1000 mg
1	100	8.263.200	-	-	-
3	50	-	8.263.211	8.263.221	-
6	30	-	-	8.263.222	8.263.232

### Chromabond Florisil glass columns

particle size 150 - 250 µm

*Colonnes Chromabond Florisil en verre*  
*porosité 150 - 250 µm*

Volume <i>Volume</i> ml	Pack of <i>Conditionnement</i> pcs.	200 mg	500 mg	1000 mg
3	50	8.263.250	8.263.260	-
6	30	-	-	8.263.271

### Chromabond LV-Florisil columns

particle size 150 - 250 µm

*Colonnes Chromabond LV-Florisil*  
*porosité 150 - 250 µm*

Volume <i>Volume</i> ml	Pack of <i>Conditionnement</i> pcs.	100 mg	200 mg	500 mg
15	30	8.263.300	8.263.310	8.263.320

### Chromafix Florisil cartridges

particle size 150 - 250 µm

*Cartouches Chromafix Florisil*  
*porosité 150 - 250 µm*

Description <i>Description</i>	Pack of <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
0.4 ml / 200 mg	50	8.263.350
0.8 ml / 400 mg	50	8.263.360
1.8 ml / 900 mg	50	8.263.370

### Chromabond Multi 96 Florisil

*Modules à 96 puits Chromabond Multi 96  
Florisil*

Description <i>Description</i>	Pack of <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
96 x 25 mg	1	8.263.400
96 x 50 mg	1	8.263.410
96 x 100 mg	1	8.263.420
SiOH absorbent 100 g	1	8.263.430



### SPE phases for pharmaceutical applications

#### *Produits d'extraction SPE pour la pharmacologie*

#### Chromabond Drug polypropylene columns

particle size 45 µm

#### Applications:

analysis of drugs – enrichment of acidic, neutral and basic drugs from urine or plasma

*Colonnes Chromabond Drug en Polypropylène*  
porosité 45 µm

#### Applications:

*analyses des médicaments, enrichissement de l'acide, médicaments neutres et basiques de l'urine ou du plasma*

Volume	Pack of	200 mg
Volume	Conditionnement	
ml	pcs.	
3	50	8.263.440

#### Chromabond Drug glass columns

particle size 45 µm

*Colonnes Chromabond Drug en verre*

porosité 45 µm

Volume	Pack of	200 mg
Volume	Conditionnement	
ml	pcs.	
3	50	8.263.450

#### Chromabond LV-Drug columns

particle size 45 µm

*Colonnes Chromabond LV-Drug*

porosité 45 µm

Volume	Pack of	100 mg	200 mg
Volume	Conditionnement		
ml	pcs.		
15	30	8.263.460	8.263.470

#### Chromafix Drug cartridges

particle size 45 µm

*Cartouches Chromafix Drug*

porosité 45 µm

Description	Pack of	Order No.
Description	Conditionnement	N° de code
	pcs.	
0.4 ml / 120 mg	50	8.263.480

#### Chromabond Multi 96 Drug

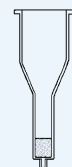
*Modules à 96 puits Chromabond Multi 96 Drug*

Description	Pack of	Order No.
Description	Conditionnement	N° de code
	pcs.	
96 x 25 mg	1	8.263.500
96 x 50 mg	1	8.263.510
96 x 100 mg	1	8.263.520



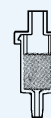
Chromabond Polypropylene or glass columns

*Colonnes Chromabond en Polypropylène ou en verre*



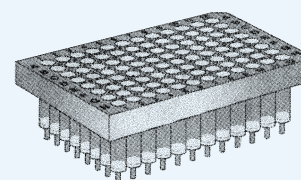
Chromabond LV columns

*Colonnes Chromabond LV*



Chromafix HR-P cartridges

*Cartouches Chromafix*



Chromabond Multi 96

*Modules à 96 puits Chromabond*

### SPE phases for environmental applications

#### *Produits d'extraction SPE pour analyses de l'environnement*

#### Chromabond CN/SiOH polypropylene columns

#### Applications:

for extraction of the 16 PAHs from soil samples acc. to EPA

*Colonnes Chromabond CN/SiOH en Polypropylène*

Applications:

*pour l'extraction de 16 PAH dans les échantillons de sol selon EPA*

Volume	Pack of	500/1000 mg
Volume	Conditionnement	
ml	pcs.	
3	50	8.263.530
6	30	8.263.531

#### Chromabond CN/SiOH glass columns

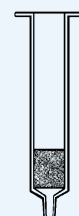
*Colonnes Chromabond CN/SiOH en verre*

Volume	Pack of	500/1000 mg
Volume	Conditionnement	
ml	pcs.	
3	50	8.263.540
6	30	8.263.541

#### Chromafix CN/SiOH cartridges

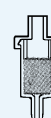
*Cartouches Chromafix CN/SiOH*

Description	Pack of	Order No.
Description	Conditionnement	N° de code
	pcs.	
0.4 ml / 120 mg	50	8.263.550



Chromabond Polypropylene or glass columns

*Colonnes Chromabond en Polypropylène ou en verre*



Chromafix HR-P cartridges

*Cartouches Chromafix*



### Hallow Cathode Lamps

#### *Lampes à Cathode Creuse*

Hollow cathode lamps non-coded with 37 mm in diameter are suitable for Atomic Absorption Spectrometers from Varian, Aurora, Analytic Jena, GBC, Unicam, Shimadzu, Thermo.

For Perkin Elmer AAS the HCL-lamps are supplied with a diameter of 50 mm

(we can also supply on request Coded-HCL lamps for Varian and Perkin Elmer. Please state always in your inquiries the Model of AAS that you are using.)

*Lampes à cathode creuse non-codées d'un diamètre de 37 mm compatibles avec les spectromètres d'absorption atomique de Varian, Aurora, Analytic Jena, GBC, Unicam, Shimadzu, Thermo....*

*Pour les instruments de Perkin-Elmer les lampes sont d'un diamètre de 50 mm.*

*(Sur demande, nous livrons aussi des lampes à cathode creuse codées pour Varian et Perkin Elmer. SVP indiquer le modèle de votre instrument).*

#### Single-element Hollow Cathode Lamps

#### *Lampes à cathode creuse, mono-élément*



Element <i>Élément</i>	Order No. <i>N° de code</i> 37 mm Ø	Order No. <i>N° de code</i> 50 mm Ø Perkin Elmer
Al	8.264.000	8.264.100
Sb	8.264.001	8.264.101
As	8.264.002	8.264.102
Ba	8.264.003	8.264.103
Be	8.264.004	8.264.104
Pb	8.264.005	8.264.105
B	8.264.006	8.264.106
Cs	8.264.007	8.264.107
Ce	8.264.008	8.264.108
Cr	8.264.009	8.264.109
Dy	8.264.010	8.264.110
Fe	8.264.011	8.264.111
Er	8.264.012	8.264.112
Eu	8.264.013	8.264.113
Gd	8.264.014	8.264.114
Ga	8.264.015	8.264.115
Ge	8.264.016	8.264.116
Au	8.264.017	8.264.117
Hg	8.264.018	8.264.118
Ho	8.264.019	8.264.119
In	8.264.020	8.264.120
Ir	8.264.021	8.264.121
Cd	8.264.022	8.264.122
K	8.264.023	8.264.123
Ca	8.264.024	8.264.124
Co	8.264.025	8.264.125
Cu	8.264.026	8.264.126
La	8.264.027	8.264.127
Li	8.264.028	8.264.128
Lu	8.264.029	8.264.129
Mg	8.264.030	8.264.130
Mn	8.264.031	8.264.131
Mo	8.264.032	8.264.132
Na	8.264.033	8.264.133
Nd	8.264.034	8.264.134
Ni	8.264.035	8.264.135
Nb	8.264.036	8.264.136
Os	8.264.037	8.264.137
Pd	8.264.038	8.264.138
P	8.264.039	8.264.139
Pt	8.264.040	8.264.140
Pr	8.264.041	8.264.141
Hg	8.264.042	8.264.142
Re	8.264.043	8.264.143
Rh	8.264.044	8.264.144
Rb	8.264.045	8.264.145
Ru	8.264.046	8.264.146
Sm	8.264.047	8.264.147
Sc	8.264.048	8.264.148
Se	8.264.049	8.264.149
Ag	8.264.050	8.264.150
Si	8.264.051	8.264.151
Sr	8.264.052	8.264.152
Ta	8.264.053	8.264.153





### Single-element Hollow Cathode Lamps

*Lampes à cathode creuse, mono-élément*

Element <i>Élément</i>	Order No. <i>N° de code</i> 37 mm Ø	Order No. <i>N° de code</i> 50 mm Ø Perkin Elmer
Te	8.264.054	8.264.154
Tb	8.264.055	8.264.155
Tl	8.264.056	8.264.156
Th	8.264.057	8.264.157
Tm	8.264.058	8.264.158
Ti	8.264.059	8.264.159
U	8.264.060	8.264.160
V	8.264.061	8.264.161
D2	8.264.062	8.264.162
Bi	8.264.063	8.264.163
W	8.264.064	8.264.164
Zn	8.264.065	8.264.165
Sn	8.264.066	8.264.166
Zr	8.264.067	8.264.167

### Two-element Hollow Cathode Lamps

*Lampes à cathode creuse, à deux éléments*

Element <i>Élément</i>	Order No. <i>N° de code</i> 37 mm Ø	Order No. <i>N° de code</i> 50 mm Ø Perkin Elmer
Al/Ca	8.264.200	8.264.300
Al/Mg	8.264.201	8.264.301
Al/Si	8.264.202	8.264.302
Al/Ti	8.264.203	8.264.303
Ba/Sr	8.264.204	8.264.304
Cr/Co	8.264.205	8.264.305
Cr/Cu	8.264.206	8.264.306
Cr/Fe	8.264.207	8.264.307
Cr/Mn	8.264.208	8.264.308
Cr/Mo	8.264.209	8.264.309
Cr/Ni	8.264.210	8.264.310
Fe/Mn	8.264.211	8.264.311
Fe/Mo	8.264.212	8.264.312
Fe/Ni	8.264.213	8.264.313
Fe/Zn	8.264.214	8.264.314
Au/Cu	8.264.215	8.264.315
Au/Ni	8.264.216	8.264.316
Au/Pt	8.264.217	8.264.317
Au/Ag	8.264.218	8.264.318
Cd/Zn	8.264.219	8.264.319
Ca/Ba	8.264.220	8.264.320
Ca/Mg	8.264.221	8.264.321
Ca/Si	8.264.222	8.264.322
Ca/Sr	8.264.223	8.264.323
Ca/Zn	8.264.224	8.264.324
Co/Cu	8.264.225	8.264.325
Co/Fe	8.264.226	8.264.326
Co/Mn	8.264.227	8.264.327
Co/Mo	8.264.228	8.264.328
Co/Ni	8.264.229	8.264.329
Cu/Fe	8.264.230	8.264.330
Cu/Mn	8.264.231	8.264.331
Cu/Mo	8.264.232	8.264.332
Cu/Ni	8.264.233	8.264.333
Cu/Zn	8.264.234	8.264.334
Mg/Si	8.264.235	8.264.335
Mn/Mo	8.264.236	8.264.336
Mn/Ni	8.264.237	8.264.337
Mn/Zn	8.264.238	8.264.338
Na/K	8.264.239	8.264.339
Pt/Ag	8.264.240	8.264.340
Ag/Cr	8.264.241	8.264.341
Ag/Cu	8.264.242	8.264.342
Si/Ti	8.264.243	8.264.343





### Three-element Hollow Cathode Lamps

*Lampes à cathode creuse, à trois éléments*

Element <i>Élément</i>	Order No. <i>N° de code</i> 37 mm Ø	Order No. <i>N° de code</i> 50 mm Ø Perkin Elmer
Al/Ca/Mg	8.264.400	8.264.500
Al/Si/Ti	8.264.401	8.264.501
As/Sb/Bi	8.264.402	8.264.502
As/Se/Te	8.264.403	8.264.503
Cr/Co/Cu	8.264.404	8.264.504
Cr/Co/Fe	8.264.405	8.264.505
Cr/Co/Mn	8.264.406	8.264.506
Cr/Co/Ni	8.264.407	8.264.507
Cr/Cu/Fe	8.264.408	8.264.508
Cr/Cu/Mn	8.264.409	8.264.509
Cr/Cu/Ni	8.264.410	8.264.510
Cr/Fe/Mn	8.264.411	8.264.511
Cr/Fe/Ni	8.264.412	8.264.512
Cr/Mn/Ni	8.264.413	8.264.513
Fe/Mn/Ni	8.264.414	8.264.514
Fe/Mn/Zn	8.264.415	8.264.515
Au/Cu/Ni	8.264.416	8.264.516
Au/Pt/Ag	8.264.417	8.264.517
Ca/Ba/Sr	8.264.418	8.264.518
Ca/Mg/Si	8.264.419	8.264.519
Ca/Mg/Zn	8.264.420	8.264.520
Co/Cu/Fe	8.264.421	8.264.521
Co/Cu/Mn	8.264.422	8.264.522
Co/Cu/Ni	8.264.423	8.264.523
Co/Fe/Ni	8.264.424	8.264.524
Co/Fe/Mn	8.264.425	8.264.525
Co/Mn/Ni	8.264.426	8.264.526
Cu/Fe/Mn	8.264.427	8.264.527
Cu/Fe/Ni	8.264.428	8.264.528
Cu/Fe/Zn	8.264.429	8.264.529
Cu/Mn/Ni	8.264.430	8.264.530
Cu/Mn/Zn	8.264.431	8.264.531
Mo/Cr/Co	8.264.432	8.264.532
Mo/Cr/Cu	8.264.433	8.264.533
Mo/Cr/Fe	8.264.434	8.264.534
Mo/Cr/Mn	8.264.435	8.264.535
Mo/Co/Cu	8.264.436	8.264.536
Mo/Co/Mn	8.264.437	8.264.537
Mo/Co/Fe	8.264.438	8.264.538
Mo/Cu/Fe	8.264.439	8.264.539
Mo/Cu/Mn	8.264.440	8.264.540
Mo/Fe/Mn	8.264.441	8.264.541
Ag/Cr/Cu	8.264.442	8.264.542
Ag/Cu/Ni	8.264.443	8.264.543



Atomic Absorption Spectrometer from Aurora-Instruments  
our partner in the laboratory world



### Standards for the Atomic Absorption Spectrometry

#### *Solutions étalons pour SAA*

**Atomic absorption spectroscopy calibration standards**, in bottles of 500 ml, concentration 1000 ppm

*Étalons de calibration pour la spectrométrie d'Absorption Atomique, en flacon de 500 ml, concentration 1000 ppm*

Description	Order No.
<i>Description</i>	<i>N° de code</i>
Aluminium (Al)	8.264.600
Antimony (Sb)	8.264.601
Arsenic (III) (As)	8.264.602
Barium (Ba)	8.264.603
Beryllium (Be)	8.264.604
Bismuth (Bi)	8.264.605
Boron (B)	8.264.606
Cadmium (Cd)	8.264.607
Calcium (Ca)	8.264.608
Cesium (Cs)	8.264.609
Chromium (Cr)	8.264.610
Cobalt (Co)	8.264.611
Copper (Cu)	8.264.612
Gadolinium (Gd)	8.264.613
Gallium (Ga)	8.264.614
Gold (Au)	8.264.615
Indium (In)	8.264.616
Iron (Fe)	8.264.617
Lanthanum (La)	8.264.618
Lead (Pb)	8.264.619
Lithium (Li)	8.264.620
Magnesium (Mg)	8.264.621
Manganese (Mn)	8.264.622
Mercury (Hg)	8.264.623
Molybdenum (Mo)	8.264.624
Nickel (Ni)	8.264.625
Palladium (Pd)	8.264.626
Phosphorus (P)	8.264.627
Platinum (Pt)	8.264.628
Potassium (K)	8.264.629
Rhodium (Rh)	8.264.630
Selenium (Se)	8.264.631
Silica (Si)	8.264.632
Silver (Ag)	8.264.633
Sodium (Na)	8.264.634
Strontium (Sr)	8.264.635
Sulphur (S)	8.264.636
Tellurium (Te)	8.264.637
Thallium (Tl)	8.264.638
Tin (Sn)	8.264.639
Titanium (Ti)	8.264.640
Vanadium (V)	8.264.641
Zinc (Zn)	8.264.642
Zirconium (Zr)	8.264.643

We can supply also Multi-Element Standards for the Plasma Emission Spectroscopy (ICP) customised for every application.

Please indicate in your inquiry which elements you would like to combine, the concentrations and the matrices.

*Sur demande, nous pouvons aussi livrer des étalons à multi-éléments pour la spectrométrie à torche à plasma (ICP).*

*SVP détailler les éléments, les concentrations et les matrices.*

**For cuvettes and calibration standards, please refer to pages 257 to 262**

*Pour les cuvettes et les étalons de calibration, veuillez svp vous référer aux pages 257 à 262*



### Alumina Al<sub>2</sub>O<sub>3</sub> content >99%

#### Alumine Al<sub>2</sub>O<sub>3</sub> teneur > 99%

High purity alumina (Al<sub>2</sub>O<sub>3</sub> content > 99.7%) oxide ceramic is ideal for high temperature applications up to 1700°C/1850°C max.

Such high purity alumina shows considerable resistance to chemical attack due to the lack of glassy phases that tend to determine corrosion resistance, with the exception of: highly concentrated hydrofluoric acid, boiling phosphoric acid, boiling potassium hydroxide solution and sodium hydroxide solution.

*L'Alumine (Al<sub>2</sub>O<sub>3</sub>) à haute pureté (99.7%), est une céramique oxyde idéale pour les travaux en haute température jusqu'à 1700°C/1850°C max. Très bonne tenue en milieu oxydant. Grâce à sa haute résistance elle convient aux attaques chimiques, à l'exception de l'acide hydrofluorhydrique concentré, à l'acide phosphorique en ébullition et aux solutions d'hydroxide de potassium ou de sodium en ébullition*

### Zirconia ZrO<sub>2</sub>

#### Zircone ZrO<sub>2</sub>

Zirconia (ZrO<sub>2</sub>) is suitable for melting of alloys or super-alloys at very high temperatures up to 2000 °C and it offers three advantages over alumina: it is more refractory, having a melting point some 500 °C above alumina, it is readily machined and gives a high quality surface finish.

Zirconia has the complication of being metastable and needs to be stabilised before it can be put to use. The addition of small quantities of stabilising oxides such as CaO, MgO and best of all Y<sub>2</sub>O<sub>3</sub> allow the high temperature cubic phase to stabilise itself. Partially stabilised zirconia can also be used as a toughening agent in alumina.

*Le Zircone (ZrO<sub>2</sub>) est une matière stabilisée à la chaux (CaO) servant aux fusions d'alliages ou de super-alliages à très haute température jusqu'à 2000 °C max. Porosité nulle donc sans absence de dégagement gazeux. Bonne inertie chimique à l'exception de l'acide et de l'oxyde fluorhydrique. Bonne tenue en milieu oxydant.*

### Crucibles made of Alumina (Al<sub>2</sub>O<sub>3</sub>) or Zirconia (ZrO<sub>2</sub>)

#### Creusets en alumine (Al<sub>2</sub>O<sub>3</sub>) ou en zircone (ZrO<sub>2</sub>)

Cylindrical crucibles, without lid

Creusets cylindriques, sans couvercle



Outer Ø Ø ext. mm	Inner Ø Ø int. mm	Height Hauteur mm	Capacity Capacité ml	Standard pack Conditionnement	Alumina Alumine	Zirconia Zircone
12	8.2	18	0.85	10	8.500.100	8.500.200
12	8.2	22	1.0	10	8.500.101	8.500.201
25.5	22	14	4.5	10	8.500.102	8.500.202
21	18	25	5.0	10	8.500.103	8.500.203
16	12.5	21	2.5	10	8.500.104	8.500.204
27	23	32	10	10	8.500.105	8.500.205
27.5	23	53	18	10	8.500.106	8.500.206
22	18	80	20	10	8.500.107	8.500.207
33	28.5	33	20	10	8.500.108	8.500.208
42	38	33	27	10	8.500.109	8.500.209
33	28.5	46	30	10	8.500.110	8.500.210
33	28.5	64	40	10	8.500.111	8.500.211
30	24	210	140	5	8.500.112	8.500.212
40	35	90	90	10	8.500.113	8.500.213
44	37	110	110	5	8.500.114	8.500.214
47	40	49	53	10	8.500.115	8.500.215
33	28.5	90	55	10	8.500.116	8.500.216
40	33	60	75	10	8.500.117	8.500.217
48	43	65	85	10	8.500.118	8.500.218
48	43	80	100	10	8.500.119	8.500.219
62	57	62	140	5	8.500.120	8.500.220
56	50	100	175	5	8.500.121	8.500.221
68	62	71	200	5	8.500.122	8.500.222
63	56	107	230	5	8.500.123	8.500.223
60	55	120	280	5	8.500.124	8.500.224
80	73	85	300	1	8.500.125	8.500.225
69	62	105	340	1	8.500.126	8.500.226
92	86	80	420	1	8.500.127	8.500.227
92	86	100	500	1	8.500.128	8.500.228
112	100	98	830	1	8.500.129	8.500.229
112	100	168	1300	1	8.500.130	8.500.230
128	123	167	1900	1	8.500.131	8.500.231
150	140	162	2200	1	8.500.132	8.500.232





**Circular crucibles, with tapered wall, without lid**

*Creusets cylindriques, paroi mince, sans couvercle*

Outer Ø Ø ext.	Inner Ø Ø int.	Height Hauteur	Capacity Capacité	Standard pack Conditionnement	Alumina Alumine	Zirconia Zircone
mm	mm	mm	ml	pcs.		
8	6	10	0.3	10	7.300.150	7.300.250
21	19	18	4	10	7.300.151	7.300.251
26	22	29	8	10	7.300.152	7.300.252
36	29	45	23	10	7.300.153	7.300.253
36	31	120	65	10	7.300.154	7.300.254
43	38	58	50	10	7.300.155	7.300.255
52	48	76	100	10	7.300.156	7.300.256
53	47	94	120	5	7.300.157	7.300.257
69	49	60	125	5	7.300.158	7.300.258
73	67	47	150	5	7.300.159	7.300.259
75	69	185	500	5	7.300.160	7.300.260
92	80	45	190	5	7.300.161	7.300.261
90	85	165	590	5	7.300.162	7.300.262
102	92	145	700	1	7.300.163	7.300.263
106	96	165	800	1	7.300.164	7.300.264



**Standard crucibles, without lid**

*Creusets forme standard, sans couvercle*

Outer Ø Ø ext.	Inner Ø Ø int.	Height Hauteur	Capacity Capacité	Standard pack Conditionnement	Alumina Alumine	Zirconia Zircone
mm	mm	mm	ml	pcs.		
31	22	28	14	10	7.300.170	7.300.270
42	36	41	30	10	7.300.171	7.300.271
42	29	48	45	10	7.300.172	7.300.272
52	47	62	80	10	7.300.173	7.300.273
59	55	61	95	10	7.300.174	7.300.274
80	73	90	280	5	7.300.175	7.300.275
81	74	107	350	5	7.300.176	7.300.276



**Rectangular crucibles, without lid**

*Creusets rectangulaires, sans couvercle*

Length Longueur	Width Largeur	Height Hauteur	Capacity Capacité	Standard pack Conditionnement	Alumina Alumine	Zirconia Zircone
mm	mm	mm	ml	pcs.		
59	27.5	28	27	10	7.300.190	7.300.290
74	53	15	34	10	7.300.191	7.300.291
82	42	23	60	10	7.300.192	7.300.292
84	39	41	90	5	7.300.193	7.300.293
103	51	26	100	5	7.300.194	7.300.294
86	63	30	105	5	7.300.195	7.300.295
84	58	41	140	5	7.300.196	7.300.296



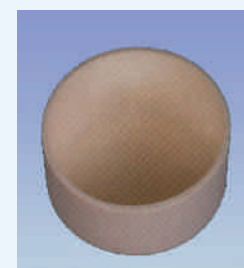
## Dishes made of Alumina (Al<sub>2</sub>O<sub>3</sub>) or Zirconia (ZrO<sub>2</sub>)

*Capsules en alumine (Al<sub>2</sub>O<sub>3</sub>) ou en zircone (ZrO<sub>2</sub>)*

**Round shallow dishes**

*Capsules, à fond plat*

Outer Ø Ø ext.	Height Hauteur	Capacity Capacité	Standard pack Conditionnement	Alumina Alumine	Zirconia Zircone
mm	mm	ml	pcs.		
19	5	1.0	10	7.300.300	7.300.400
42	14.5	12	10	7.300.301	7.300.401
52	14	22	10	7.300.302	7.300.402
50	25	35	10	7.300.303	7.300.403
62	18	36	10	7.300.304	7.300.404
69	23	60	10	7.300.305	7.300.405
62	40	80	10	7.300.306	7.300.406
81	30	120	5	7.300.307	7.300.407
120	40	112	5	7.300.308	7.300.408
115	22	180	5	7.300.309	7.300.409
84	57	240	5	7.300.310	7.300.410
94	54	280	5	7.300.311	7.300.411
140	40	500	1	7.300.312	7.300.412





## Boats made of Alumina (Al<sub>2</sub>O<sub>3</sub>) or Zirconia (ZrO<sub>2</sub>) *Nacelles en alumine (Al<sub>2</sub>O<sub>3</sub>) ou zircone (ZrO<sub>2</sub>)*

Combustion boats, without tail and hole

*Nacelles de combustion, forme allongée, sans anneau*



Out. Length <i>Long. ext.</i> mm	In. length <i>Long. int.</i> mm	Depth <i>Profondeur</i> mm	Width <i>Largeur</i> ml	Standard pack <i>Conditionnement</i> pcs.	Alumina <i>Alumine</i>	Zirconia <i>Zircone</i>
46	42	11	15	10	8.500.330	8.500.430
56	52	12	24	10	8.500.331	8.500.431
61	58	14	23	10	8.500.332	8.500.432
67	62	20	38	10	8.500.333	8.500.433
72	67	24	25	10	8.500.334	8.500.434
80	75	16	30	10	8.500.335	8.500.435
82	77	24	40	10	8.500.336	8.500.436
85	80	10	15	10	8.500.337	8.500.437
100	96	16	20	10	8.500.338	8.500.438
107	102	16	30	10	8.500.339	8.500.439
208	202	19	23	5	8.500.340	8.500.440
110	106	21	40	5	8.500.341	8.500.441
117	94	7	15	5	8.500.342	8.500.442
150	144	33	50	5	8.500.343	8.500.443
160	155	6	26	5	8.500.344	8.500.444
290	280	30	43	1	8.500.345	8.500.445

Combustion boats, with tail and hole

*Nacelles de combustion, forme allongée avec anneau*



Out. Length <i>Long. ext.</i> mm	In. length <i>Long. int.</i> mm	Depth <i>Profondeur</i> mm	Width <i>Largeur</i> ml	Standard pack <i>Conditionnement</i> pcs.	Alumina <i>Alumine</i>	Zirconia <i>Zircone</i>
19	5	4		10	8.500.350	
45	11	7		10	8.500.351	
52	7.5	6		10	8.500.352	
52	42	12	15	10	8.500.353	8.500.453
62	52	12	24	10	8.500.354	8.500.454
75	11	7		10	8.500.355	
87	17	9		10	8.500.356	
90	67	24	25	10	8.500.357	8.500.457
91	75	8	10	10	8.500.358	8.500.458
92	72	16	30	10	8.500.359	8.500.459
96	81	15	15	10	8.500.360	8.500.460
102	71	17	20	10	8.500.361	8.500.461
115	16	9		10	8.500.362	
120	30	15		10	8.500.363	
125	110	15	15	10	8.500.364	8.500.464
130	112	7	19	10	8.500.365	8.500.465
160	40	21		10	8.500.366	
200	15	15		10	8.500.367	

## Crucibles made of Fire-Clay *Creusets en Terre réfractaire*



Crucibles, made of fire-clay without cover

*Creusets, en terre réfractaire sans couvercle*

H mm	D mm	d mm	Standard pack <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
80	60	30	1	8.500.500
100	70	35	1	8.500.501
120	80	40	1	8.500.502



## Melting crucibles made of Graphite *Creusets de fusion en graphite*

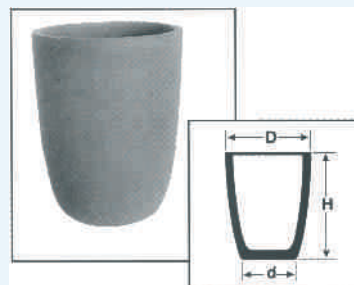
Graphit crucibles are designed for melting ferrous and non-ferrous metals and alloys and precious metals between 400°C and 1400°C.

*Creusets de fusion en graphite pour pour la fusion d'alliages de métaux non-ferreux et de métaux précieux à des températures allant de 400°C à 1400°C.*

### Cylindrical crucibles, without lid

*Creusets, forme cylindriques, sans couvercle*

H	D	d	Standard pack	Order No.
mm	mm	mm	Conditionnement pcs.	No ° de code
29	25	19	1	8.500.550
35	32	25	1	8.500.551
51	41	29	1	8.500.552
54	48	32	1	8.500.553
57	51	35	1	8.500.554
70	60	41	1	8.500.555
75	65	45	1	8.500.556
80	70	43	1	8.500.557
90	80	50	1	8.500.558
90	90	55	1	8.500.559
100	95	60	1	8.500.560
110	102	60	1	8.500.561
130	110	70	1	8.500.562
140	115	75	1	8.500.563
150	125	85	1	8.500.564
165	130	90	1	8.500.565
175	140	95	1	8.500.566



## Porcelain *Porcelaine*

Laboratory porcelain is used for temperatures up to 1000°C (glazed) and up to 1350°C (unglazed). It has a high chemical resistance against all acids (at temp. 20°C) and alkaline solutions excepted molten alkaline salts.

*La porcelaine de laboratoire est utilisée pour des températures allant jusqu'à 1000°C (émaillée) ou jusqu'à 1350°C (non-émaillée). Elle est résistante aux attaques chimiques contre la plupart des acides (à temp. 20°C) et solutions alcalines à l'exception des sels alcalins fondus*

**Filter crucibles**, made of glazed porcelain with porous base

*Creusets filtrants à base poreuse, en porcelaine émaillée*

**Porosity / Porosité**

P1	≈	6 μm
P2	≈	7 μm
P3	≈	8 μm

Top/Base	Height	Capacity	Standard pack	Porosity	Porosity	Porosity
Ø mm	mm	ml	Conditionnement pcs.	Porosité P1	Porosité P2	Porosité P3
35 / 24	41	25	20	8.500.770	8.500.780	8.500.790
39 / 25	42	25	15	8.500.771	8.500.781	8.500.791
42 / 26	45	35	10	8.500.772	8.500.782	8.500.792

**Filter disc**, made of porcelain

*Disque filtrant, en porcelaine*

Top/Base	Standard pack	Order no.
Ø mm	Conditionnement pcs.	N° de code
35 / 24		8.500.795





## Porcelain *Porcelaine*



**Glazed porcelain combustion boats**

*Nacelles, en porcelaine émaillée, forme allongée*

Length <i>Longueur</i> mm	Width <i>Largeur</i> mm	Height <i>Hauteur</i> mm	Standard pack <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
19	4	3.5	100	8.503.800
30	5	4	100	8.503.801
45	6	6	100	8.503.802
58	10	8	10	8.503.803
75	8	8	10	8.503.804
85	12	8	10	8.503.805
96	12	10	10	8.503.806
102	19	12	10	8.503.807
125	20	13	10	8.503.808
152	240	17	10	8.503.809



**Casseroles with porcelain handle, glazed except rim**

*Casseroles à manche, en porcelaine émaillée*

Outer Ø <i>Ø ext.</i> mm	Height <i>Hauteur</i> mm	Capacity <i>Capacité</i> ml	Standard pack <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
63	35	80	1	8.503.810
80	46	140	1	8.503.811
102	69	290	1	8.503.812
127	70	500	1	8.503.813
160	97	1300	1	8.503.814
215	110	2600	1	8.503.815



**Measuring jug, graduated inside, glazed except outside base**

*Béchers gradués à bec-verseur et anse, en porcelaine émaillée*

Outer Ø <i>Ø ext.</i> mm	Height <i>Hauteur</i> mm	Capacity <i>Capacité</i> ml	Standard pack <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
80	100	250	1	8.503.820
95	125	500	1	8.503.821
110	165	1000	1	8.503.822
140	293	2000	1	8.503.823



**Clay plate, porous**

*Assiette plate, en terre cuite*

Outer Ø <i>Ø ext.</i> mm	Height <i>Hauteur</i> mm	Capacity <i>Capacité</i> ml	Standard pack <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
180			1	8.503.830
220			1	8.503.831

## Porcelain dishes *Capsules en porcelaine*



**Incinerating dishes, cylindrical, glazed except outside base**

*Capsules d'incinération cylindrique, en porcelaine émaillée*

Outer Ø <i>Ø ext.</i> mm	Height <i>Hauteur</i> mm	Capacity <i>Capacité</i> ml	Standard pack <i>Conditionnement</i> pcs.	Order No. <i>N° de code</i>
40	21	15	1	8.503.840
50	25	30	1	8.503.841
60	31	60	1	8.503.842





**Incinerating dishes, flat, glazed except outside base**

*Capsules d'incinération, cylindrique à fond plat, en porcelaine émaillée*

Outer Ø Ø ext. mm	Height Hauteur mm	Capacity Capacité ml	Standard pack Conditionnement pcs.	Order No. N° de code
37	10	8	1	8.503.850
42	11	10	1	8.503.851
48	12	15	1	8.503.852



## Porcelain Mortars *Mortiers en porcelaine*

**Mortars with spout, without pestle**

*Mortiers avec bec, en porcelaine émaillée, sans pilon*

inner Ø Ø int. mm	Height Hauteur mm	Capacity Capacité ml	Standard pack Conditionnement pcs.	Order No. N° de code Type 1	Order No. N° de code Type 2
60	32	25	10	8.512.103	8.512.003
100	50	110	1	8.512.106	8.512.006
144	71	325	1	8.512.108	8.512.008
150	70	700	1	8.512.109	8.512.009
183	90	730	1	8.512.110	8.512.010
257	127	2250	1	8.512.112	8.512.012



**Type 1** grinding surface, glazed / *Surface de broyage émaillée*  
**Type 2** grinding surface, unglazed / *Surface de broyage non-émaillée*

**Pestles for mortars**

*Pilons pour mortiers, en porcelaine émaillée*

Length Longueur mm	Head Ø mm	For mortars Pour mortiers	Standard pack Conditionnement pcs.	Order No. N° de code Type 1	Order No. N° de code Type 2
103	26	8.500.950 / 960	5	8.514.003	8.513.003
132	37	8.500.951 / 961	5	8.514.006	8.513.006
158	44	8.500.952 / 962	5	8.514.008	8.513.008
210	58	8.500.953 / 963	1	8.514.009	8.513.009
255	73	8.500.954 / 964	1	8.514.010	8.513.010
305	86	8.500.955 / 965	1	8.514.012	8.513.012
370	103	8.500.956 / 966	1	8.514.014	8.513.014



**Type 1** grinding surface, glazed / *Surface de broyage émaillée*  
**Type 2** grinding surface, unglazed / *Surface de broyage non-émaillée*

## Porcelain plates *Plaques en porcelaine*

**Plate, rectangular with 6 cavities, glazed**

*Plaques rectangulaires à 6 godets, en porcelaine émaillée*

Length Longueur mm	Width Largeur mm	Height Hauteur mm	Cavities Ø Godets Ø mm	Standard pack Conditionnement pcs.	Order No. N° de code
112	81	12	25	1	8.516.001
115	85	12	20	1	8.516.008





## Porcelain crucibles *Creusets en porcelaine*



**Crucibles, low form, glazed, without lid**

*Creusets, forme basse, émaillés, sans couvercle*

Top Ø Ø Sup. mm	Height Hauteur mm	Capacity Capacité approx. ml	Standard pack Conditionnement pcs.	Crucible Creuset	Lid Couvercle
30	19	6	10	8.518.002	8.518.102
35	22	11	10	8.518.003	8.518.103
40	25	15	10	8.518.004	8.518.104
45	28	25	10	8.518.005	8.518.105
50	32	29	10	8.518.006	8.518.106
60	38	85	10	8.518.007	8.518.107
70	47	91	10	8.518.008	8.518.108
83	55	180	2	8.518.009	8.518.109



**Crucibles, medium form, glazed, without lid**

*Creusets, forme moyenne, émaillés, sans couvercle*

Top Ø Ø Sup. mm	Height Hauteur mm	Capacity Capacité approx. ml	Standard pack Conditionnement pcs.	Crucible Creuset	Lid Couvercle
25	20	5	10	8.519.001	8.519.101
30	25	10	10	8.519.002	8.519.102
35	28	12	10	8.519.003	8.519.103
40	32	20	10	8.519.004	8.519.104
45	36	30	10	8.519.005	8.519.105
50	40	45	10	8.519.006	8.519.106
52	43	60	10	8.519.007	8.519.107
60	48	80	10	8.519.008	8.519.108
63	55	110	10	8.519.009	8.519.109
70	60	150	10	8.519.010	8.519.110
82	65	230	2	8.519.011	8.519.111
89	75	300	2	8.519.012	8.519.112



**Lids, made of glazed porcelain**

*Couvercles, en porcelaine émaillée*

for crucibles pour creusets Ø mm	Standard pack Conditionnement pcs.	Order No. N° de code
25	10	8.519.101
30	10	8.519.102
35	10	8.519.103
40	10	8.519.104
45	10	8.519.105
50	10	8.519.106
52	10	8.519.107
60	10	8.519.108
63	10	8.519.109
70	10	8.519.110
82	10	8.519.111
89	10	8.519.112



**Crucibles, tall form, glazed, without lid**

*Creusets, forme haute, émaillés, sans couvercle*

Top Ø Ø Sup. mm	Height Hauteur mm	Capacity Capacité approx. ml	Standard pack Conditionnement pcs.	Crucible Creuset	Lid Couvercle
26	34	11	10	8.520.003	8.520.103
30	38	15	10	8.520.004	8.520.104
35	44	26	10	8.520.005	8.520.105
40	50	35	10	8.520.006	8.520.106
45	56	50	10	8.520.007	8.520.107
50	62	72	10	8.520.008	8.520.108
60	75	130	10	8.520.009	8.520.109



**Porcelain dishes**  
*Capsules en porcelaine*

**Evaporating dishes with spout and flat bottom, glazed except outside base**

*Capsules d'évaporation à bec et fond plat, en porcelaine émaillée*

Outer Ø Ø ext. mm	Height Hauteur mm	Capacity Capacité ml	Standard pack Conditionnement pcs.	Order No. N° de code
60	14	20	10	8.525.114
70	15	28	10	8.525.115
80	20	55	10	8.525.120
100	25	110	10	8.525.125
130	30	250	10	8.525.130
160	40	450	1	8.525.140



**Evaporating dishes with spout round bottom**

*Capsules d'évaporation à bec, forme évasée, en porcelaine émaillée*

Outer Ø Ø ext. mm	Height Hauteur mm	Capacity Capacité ml	Standard pack Conditionnement pcs.	Order No. N° de code
61	28	35	10	8.526.004
81	38	107	10	8.526.006
83	27	67	10	8.526.007
94	42	140	10	8.526.008
127	42	240	10	8.526.011
154	50	420	1	8.526.013
170	55	558	1	8.526.014
180	84	1135	1	8.526.015



**Incinerating dishes, conical, rectangular glazed except outside base**

*Capsules d'incinération, forme rectangulaire plate, en porcelaine émaillée*

Length Longueur mm	Width Largeur mm	Height Hauteur mm	Standard pack Conditionnement pcs.	Order No. N° de code
48	26	10	1	8.526.370
55	42	16	1	8.526.371
70	46	13	1	8.526.372
96	55	16	1	8.526.373





**Porcelain funnels**

*Entonnoirs en porcelaine*

**Hirsch funnels according to Dr. Hirsch**  
with perforated fixed filter plate

*Entonnoirs de Hirsch à plaque filtrante, en porcelaine émaillée*

Filter Ø Ø du filtre mm	Plate Ø Ø de la plaque mm	Height Hauteur mm	Stem Tige mm	Top Ø Ø Sup. mm	Standard pack Conditionnement pcs.	Order No. N° de code
8	9	45	22	30	1	8.526.890
	11	56	25	40	1	8.526.891
	13	61	27	45	1	8.526.892
16	15	74	33	52	1	8.526.893
25	27	102	42	72	1	8.526.894



**Büchner funnels according to Dr. Büchner**

*Entonnoirs de Büchner, en porcelaine émaillée*

Filter Ø Entonnoir Ø mm	Plate Ø Ø de la plaque mm	Height Hauteur mm	Stem Tige mm	Capacity Capacité ml	Standard pack Conditionnement pcs.	Order No. N° de code
18	19	47	20	3	1	8.527.001
27	29	60	30	10	1	8.527.002
40	42	76	37	25	1	8.527.003
45	48	100	41	50	1	8.527.004
55	50	129	53	75	1	8.527.005
70	74	150	75	135	1	8.527.006
90	95	165	75	290	1	8.500.906
110	114	201	90	580	1	8.527.007
125	133	232	106	795	1	8.527.008
150	155	235	110	1250	1	8.527.009
185	190	260	120	1900	1	8.527.010
240	250	330	138	4300	1	8.527.011
270	279	300	125	5800	1	8.527.012
320	330	350	150	10600	1	8.527.014

**Porcelain spatulas**

*Spatules en porcelaine*



**Spatulas, double with spoon**

*Spatules, double à cuillère, en porcelaine émaillée*

Length Longueur mm	Standard pack Conditionnement pcs.	Order No. N° de code
121	1	8.530.000
170	1	8.530.001
210	1	8.530.002
305	1	8.530.003



## Porcelain milling jars *Jarres de broyage en porcelaine*

Milling jars with cover, metal lock and seal rings, glazed inside and outside

*Jarres de broyage à billes, en porcelaine émaillée, avec fermeture en métal et joint d'étanchéité*

Bottom Ø Ø Inf. mm	Height Hauteur mm	Capacity Capacité ml	Standard pack Conditionnement pcs.	Order No. N° de code
135	182	1000	1	8.531.020
150	222	1500	1	8.531.030
200	240	3000	1	8.531.040
225	280	5000	1	8.531.050
288	333	10000	1	8.531.060
335	360	15000	1	8.531.070

Porcelain balls, pack of 5 kg

*Billes de broyage, en porcelaine, en paquet de 5 kg*

Diameter Diamètre mm	Standard pack Conditionnement pcs.	Order No. N° de code
9	1	8.531.090
15	1	8.531.091
20	1	8.531.092
30	1	8.531.093
40	1	8.531.094
50	1	8.531.095



Spare parts for Milling jars

*Pièce de rechange pour jarres de broyage à billes*

	For Pour	Order No. N° de code	Order No. N° de code	Order No. N° de code	Order No. N° de code	Order No. N° de code	Order No. N° de code
Milling jar without cover / <i>Jarre seule</i>		8.531.020	8.531.030	8.531.040	8.531.050	8.531.060	8.531.070
Cover / <i>couvercle</i>		8.531.021	8.531.031	8.531.041	8.531.051	8.531.061	8.531.071
Metal lock / <i>fermeture métallique</i>		8.531.022	8.531.032	8.531.042	8.531.052	8.531.062	8.531.072
Seal ring / <i>joint de fermeture</i>		8.531.023	8.531.033	8.531.043	8.531.053	8.531.063	8.531.073
		8.531.024	8.531.034	8.531.044	8.531.054	8.531.064	8.531.074

	Jars <i>Jarres</i>	Ball - <i>Billes</i> Ø					
		9 mm	15 mm	20 mm	30 mm	40 mm	50 mm
<b>Recommendations for ball fillings</b>	1000 ml	0,1 kg	0,2 kg	0,2 kg			
	1500 ml	0,15 kg	0,3 kg	0,3 kg			
<i>Recommandation pour le chargement en billes de broyage</i>	3000 ml	0,3 kg	0,6 kg	0,6 kg			
	5000 ml	0,5 kg	1,0 kg	1,0 kg	1,5 kg		
	10000 ml	0,5 kg	1,5 kg	1,5 kg	1,5 kg	2,0 kg	
	15000 ml	1,0 kg	1,5 kg	1,5 kg			
<b>Number of balls per kg approx.</b>		425 pcs.	130pcs.	90 pcs.	16 pcs.	9 pcs.	4 pcs.
<i>Nombre de billes par kg env.</i>							
<b>Bulk density of balls per litre approx.</b>		1885 g	1930 g	2000 g	1800 g	1700 g	1750 g
<i>Densité des billes par litre env.</i>							

Desiccator plates, made of porcelain, without feet, with 20 mm Ø center hole and many small holes 5 mm Ø

*Disques en porcelaine*

Outer Ø Ø ext. mm	Order No. N° de code
90	8.535.001
140	8.535.003
190	8.535.005
235	8.535.006
280	8.535.007



8.535.\*\*\*

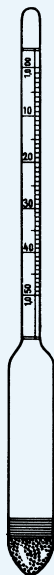




### Density hydrometers. DIN 12791

For officially testing. Series M50. Without thermometer. Surface-tension-categories: 0.600-1.000 (15-35 dyn/cm = mN/m)  
low = L = yellow COLOR-Code,  
1.000-2.000 (75 dyn/cm = mN/m)  
high = H = blue Color-Code. TP 20 °C. With lead ballast

*Densimètres à 20° selon DIN 12791. Série M50, sans thermomètre*



8.556.\*\*\*

DIN-No.	Range Echelle g/cm <sup>3</sup>	Order No. N° de code
M50-060	0.600-0.650	8.556.001
M50-065	0.650-0.700	8.556.002
M50-070	0.700-0.750	8.556.003
M50-075	0.750-0.800	8.556.004
M50-080	0.800-0.850	8.556.005
M50-085	0.850-0.900	8.556.006
M50-090	0.900-0.950	8.556.007
M50-095	0.950-1.000	8.556.008
M50-100	1.000-1.050	8.556.009
M50-105	1.050-1.100	8.556.010
M50-110	1.100-1.150	8.556.011
M50-115	1.150-1.200	8.556.012
M50-120	1.200-1.250	8.556.013
M50-125	1.250-1.300	8.556.014
M50-130	1.300-1.350	8.556.015
M50-135	1.350-1.400	8.556.016
M50-140	1.400-1.450	8.556.017
M50-145	1.450-1.500	8.556.018
M50-150	1.500-1.550	8.556.019
M50-155	1.550-1.600	8.556.020
M50-160	1.600-1.650	8.556.021
M50-165	1.650-1.700	8.556.022
M50-170	1.700-1.750	8.556.023
M50-175	1.750-1.800	8.556.024
M50-180	1.800-1.850	8.556.025
M50-185	1.850-1.900	8.556.026
M50-190	1.900-1.950	8.556.027
M50-195	1.950-2.000	8.556.028

Set of 14 hydrometers from 0.600-1.300 g/cm<sup>3</sup>

8.556.100

*Série de 14 densimètres couvrant la plage de 0.600 à 1.300 gc/m<sup>3</sup>*

Set of 14 hydrometers from 1.300-2.000 g/cm<sup>3</sup>

8.556.200

*Série de 14 densimètres couvrant la plage de 1.300 à 2.000 gcm<sup>3</sup>*



**Portable Electronic Density Meter from KEM**  
our partner in the laboratory world.



### Density hydrometers. DIN 12791

For officially testing.

Surface-tension-categories: 0.600-1.000  
(15-35 dyn/cm = mN/m)

low = L = yellow Color-Code,

1.000-2.000 (75 dyn/cm = mN/m)

high = H = blue Color-Code. TP 20 °C.

With lead ballast. Division 0.002 g/cm<sup>3</sup>,  
division 90 mm, length 240 mm.

**Available without thermometer or with  
thermometer**

*Densimètres à 20° selon DIN 12791, Série M100,  
disponible avec ou sans thermomètre. Division  
0.002 g/cm<sup>3</sup>, longueur 240 mm*

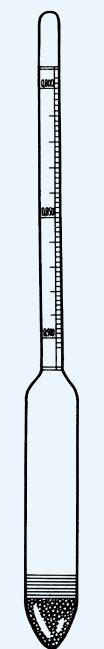
DIN-No.	Range	without thermometer	with thermometer
	<i>Echelle</i> g/cm <sup>3</sup>	<i>sans</i> <i>thermomètre</i>	<i>avec</i> <i>thermomètre</i>
M100-060	0.600-0.700	8.557.001	8.558.001
M100-070	0.700-0.800	8.557.002	8.558.002
M100-080	0.800-0.900	8.557.003	8.558.003
M100-090	0.900-1.000	8.557.004	8.558.004
M100-100	1.000-1.100	8.557.005	8.558.005
M100-110	1.100-1.200	8.557.006	8.558.006
M100-120	1.200-1.300	8.557.007	8.558.007
M100-130	1.300-1.400	8.557.008	8.558.008
M100-140	1.400-1.500	8.557.009	8.558.009
M100-150	1.500-1.600	8.557.010	8.558.010
M100-160	1.600-1.700	8.557.011	8.558.011
M100-170	1.700-1.800	8.557.012	8.558.012
M100-180	1.800-1.900	8.557.013	8.558.013
M100-190	1.900-2.000	8.557.014	8.558.014

Complete set of 14 hydrometers packed in  
valvet-lined case

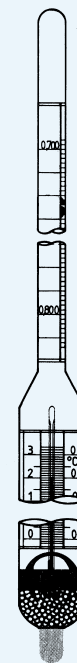
8.857.200

8.558.200

*Série de 14 densimètres couvrant la plage  
de 0.600 à 2.000 g/m<sup>3</sup>, livrés dans un écrin*



8.557.\*\*\*



8.558.\*\*\*

### Alcoholmeters, acc. to Richter and Tralles.

% by weight and by volume. TP. 20 °C,  
packed in a plastic tube, shot-weighted,  
without thermometer. Length 260 mm.

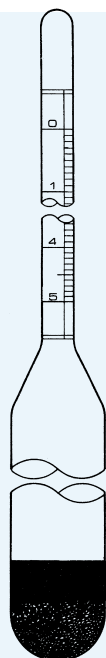
Divisions 0.1 %

*Alcoomètres à 20° selon Richter & Tralles, sans  
thermomètre, longueur 260 mm, division 0.1%.  
Livrés dans un étui en plastique*

Range	Order No.
<i>Echelle</i> % vol	<i>N° de code</i>
0-5	8.558.101
5-10	8.558.102
10-15	8.558.103
15-20	8.558.104
20-25	8.558.105
25-30	8.558.106
30-35	8.558.107
35-40	8.558.108
40-45	8.558.109
45-50	8.558.110
50-55	8.558.111
55-60	8.558.112
60-65	8.558.113
65-70	8.558.114
70-75	8.558.115
75-80	8.558.116
80-85	8.558.117
85-90	8.558.118
90-95	8.558.119
95-100	8.558.120
98-103	8.558.121



8.558.1\*\*



8.558.2\*\*



8.559.\*\*\*



8.560.\*\*\*

Hydrometers acc. to Baumé. Without thermometer, shot-weighted, 15 °C

Densimètre de Baumé à 15°, sans thermomètre

Range Echelle	Division Division	Length Longueur	Order No. N° de code
0-1	0.1	260	8.558.201
0-2	0.1	260	8.558.202
0-3	0.1	260	8.558.203
0-5	0.1	260	8.558.205
0-10	1.0	230	8.558.210
0-15	1.0	230	8.558.215
0-20	1.0	230	8.558.220
0-30	1.0	250	8.558.230
0-40	1.0	250	8.558.240
0-50	1.0	280	8.558.250
0-70	1.0	280	8.558.270

Density hydrometers. 100 °C range. For light and heavy liquids, TP. 20 °C, commercial quality, with lead ballast. (Densimeter). DIN 12791.

Densimètre à 20°C selon DIN 12791 pour liquides légers et lourds. Température 100°C. Division: 0.001/cm<sup>3</sup>. Livrable sans thermomètre (L=250 mm) ou avec thermomètre L=300mm)

Division 0.001 g/cm<sup>3</sup>.

1. Without thermometer. Length 250 mm
2. With thermometer. Length 300 mm

Range Echelle	Without thermometer sans thermomètre	With thermometer avec thermomètre
g/cm <sup>3</sup>		
0.600-0.700	8.559.001	8.560.001
0.700-0.800	8.559.002	8.560.002
0.800-0.900	8.559.003	8.560.003
0.900-1.000	8.559.004	8.560.004
1.000-1.100	8.559.005	8.560.005
1.100-1.200	8.559.006	8.560.006
1.200-1.300	8.559.007	8.560.007
1.300-1.400	8.559.008	8.560.008
1.400-1.500	8.559.009	8.560.009
1.500-1.600	8.559.010	8.560.010
1.600-1.700	8.559.011	8.560.011
1.700-1.800	8.559.012	8.560.012
1.800-1.900	8.559.013	8.560.013
1.900-2.000	8.559.014	8.560.014

Complete set of 14 hydrometers without thermometer 8.559.200

Série de 14 densimètres sans thermomètre couvrant l'échelle 0.600 à 2.000 g/cm<sup>3</sup>

Complete set of 14 hydrometers with thermometer - 8.560.200

Série de 14 densimètres avec thermomètre couvrant l'échelle 0.600 à 2.000 g/cm<sup>3</sup>

Range finders, to complete the set 0.600 - 2.000 g/cm<sup>3</sup>, 8.559.300

length 160 mm

Range finders, pour compléter la série 0.600-2.000 g/cm<sup>3</sup> longueur 160 mm



Automatic Electronic Density Meter from KEM, our partner in the laboratory world



**Density hydrometers.** 60 °C range. For small quantities of liquids, for light and heavy liquids specific gravity. TP. 20 °C, commercial quality, with lead ballast. Desimeter. Division 0.001 g/cm<sup>3</sup>, division 50 mm, length 160 mm

*Densimètre à 20°C selon DIN 12791 pour petite quantité de liquides légers et lourds. Température 60°C. Division: 0.001/cm<sup>3</sup>. Sans thermomètre. Longueur 160 mm*

Range <i>Echelle</i> g/cm <sup>3</sup>	Order No. <i>N° de code</i>
0.600-0.660	8.561.001
0.660-0.710	8.561.002
0.710-0.760	8.561.003
0.760-0.820	8.561.004
0.820-0.880	8.561.005
0.880-0.940	8.561.006
0.940-1.000	8.561.007
1.000-1.060	8.561.008
1.060-1.120	8.561.009
1.120-1.180	8.561.010
1.180-1.240	8.561.011
1.240-1.300	8.561.012
1.300-1.360	8.561.013
1.360-1.420	8.561.014
1.420-1.480	8.561.015
1.480-1.540	8.561.016
1.540-1.600	8.561.017
1.600-1.660	8.561.018
1.660-1.720	8.561.019
1.720-1.780	8.561.020
1.780-1.840	8.561.021
1.840-1.900	8.561.022
1.900-1.960	8.561.023
1.960-2.020	8.561.024
Thermo-range finder	8.561.100
<i>Thermo-range finder</i>	
Complete set of 24 Hydrometer, with Thermo-Range-finder, packed in velvet-lined case.	8.561.200
<i>Série de 24 densimètres avec thermo-range finders, couvrant l'échelle 0.600 à 2.020 g/cm<sup>3</sup>, livrés dans un écrin</i>	

**Density hydrometers.** Various ranges, for light and heavy liquids specific gravity. TP. 20 °C, commercial quality, with lead ballast.

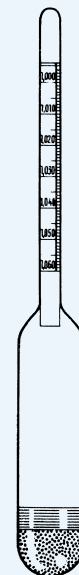
*Densimètres à 20°C, pour liquides légers et lourds*

Range <i>Echelle</i> g/cm <sup>3</sup>	Division <i>Division</i> g/cm <sup>3</sup>	Nominal range <i>Longueur d'échell</i> mm	Length <i>Longueur</i> mm	Order No. <i>N° de code</i>
0.700-1.000	0.005	110	270	8.564.001
1.000-1.300	0.005	160	300	8.564.002
1.000-1.500	0.005	140	300	8.564.003
1.500-2.000	0.005	140	300	8.564.004
1.000-2.000	0.010	160	300	8.564.005
0.700-2.000	0.01/0.02	150	400	8.564.006

**Sugar hydrometers.** Saccharimeter acc. to Brix (1 Brix = 1% sugar solution).  
1. Without thermometer 200-250 mm long  
2. With thermometer 300 mm long

*Saccharimètres de Brix, pour les sucres (1 Brix = 1% de solution sucrée)  
Type 1 sans thermomètre (L=200-250mm)  
Type 2 avec thermomètre (L=300 mm)*

Range <i>Echelle</i> Brix	Order No. <i>N° de code</i> Type 1	Order No. <i>N° de code</i> Type 2
0-10	8.565.101	8.565.111
0-30	8.565.102	-
10-20	-	8.565.113
20-30	-	8.565.114
30-40	-	8.565.115
30-60	8.565.106	-
40-50	-	8.565.117
50-60	-	8.565.118
60-70	-	8.565.119
60-90	8.565.110	-
70-80	-	8.565.121
80-90	-	8.565.122



8.561.\*\*\*



8.564.\*\*\*



8.565.\*\*\*





8.568.\*\*\*

**Density-thermo-hydrometers for petroleum.** For officially testing, with thermometer -10 to +40 °C : 1 °C, TP. 15 °C. Conformity certified. Divisions 0.001 g/cm<sup>3</sup>. Nominal range 155 mm. Length 425 mm.

*Thermo-densimètres à 15°C pour produits pétroliers, avec thermomètre -10/+40°C : 1°C. Certifié conforme. Divisions: 0.001g/cm<sup>3</sup>. Longueur totale 425 mm*

Range Echelle g/cm <sup>3</sup>	Order No. N° de code
0.610-0.700	8.568.001
0.680-0.770	8.568.002
0.750-0.840	8.568.003
0.820-0.910	8.568.004

**Specific gravity hydrometers, acc. to ASTM E 100.** For officially testing, for petroleum and other liquids with similar surface-tension, TP. 60/60 °F, with lead ballast.

*Densimètres selon ASTM E 100 à 60/60°F pour produits pétroliers et autres liquides de tension de surface identique*



8.570.\*\*\*

ASTM No.	Scale Echelle sp. gr.	Division Division sp. gr.	Nominal scale Longueur d'échelle mm	Length Longueur mm	Order No. N° de code
82H	0.650-0.700	0.0005	135	300	8.570.001
83H	0.700-0.750	0.0005	135	300	8.570.002
84H	0.750-0.800	0.0005	135	300	8.570.003
85H	0.800-0.850	0.0005	135	300	8.570.004
86H	0.850-0.900	0.0005	135	300	8.570.005
87H	0.900-0.950	0.0005	135	300	8.570.006
88H	0.950-1.000	0.0005	135	300	8.570.007
89H	1.000-1.050	0.0005	135	300	8.570.008
90H	1.050-1.100	0.0005	135	300	8.570.009
102H	0.650-0.700	0.0010	80	260	8.570.010
103H	0.700-0.750	0.0010	80	260	8.570.011
104H	0.750-0.800	0.0010	80	260	8.570.012
105H	0.800-0.850	0.0010	80	260	8.570.013
106H	0.850-0.900	0.0010	80	260	8.570.014
107H	0.900-0.950	0.0010	80	260	8.570.015
108H	0.950-1.000	0.0010	80	260	8.570.016
111H	1.000-1.050	0.0005	135	300	8.570.017
112H	1.050-1.100	0.0005	135	300	8.570.018
113H	1.100-1.150	0.0005	135	300	8.570.019
114H	1.150-1.200	0.0005	135	300	8.570.020
115H	1.200-1.250	0.0005	135	300	8.570.021
116H	1.250-1.300	0.0005	135	300	8.570.022
117H	1.300-1.350	0.0005	135	300	8.570.023
118H	1.350-1.400	0.0005	135	300	8.570.024
119H	1.400-1.450	0.0005	135	300	8.570.025
120H	1.450-1.500	0.0005	135	300	8.570.026
125H	1.000-1.050	0.0010	80	260	8.570.027
126H	1.050-1.100	0.0010	80	260	8.570.028
127H	1.100-1.150	0.0010	80	260	8.570.029
128H	1.150-1.200	0.0010	80	260	8.570.030
129H	1.200-1.250	0.0010	80	260	8.570.031
130H	1.250-1.300	0.0010	80	260	8.570.032
131H	1.300-1.350	0.0010	80	260	8.570.033
132H	1.350-1.400	0.0010	80	260	8.570.034
133H	1.400-1.450	0.0010	80	260	8.570.035
134H	1.450-1.500	0.0010	80	260	8.570.036
135H	1.500-1.550	0.0010	80	260	8.570.037
136H	1.550-1.600	0.0010	80	260	8.570.038
137H	1.600-1.650	0.0010	80	260	8.570.039
138H	1.650-1.700	0.0010	80	260	8.570.040
139H	1.700-1.750	0.0010	80	260	8.570.041
140H	1.750-1.800	0.0010	80	260	8.570.042
141H	1.800-1.850	0.0010	80	260	8.570.043





**Specific gravity hydrometers, acc. to ASTM E 100.** For officially testing. TP. 60 °F (60 / 60 °F), with lead ballast.

*Densimètres selon ASTM E 100 à 60°F (60/60°F)*

ASTM No.	Scale Echelle sp. gr.	Division Division sp. gr.	Nominal scale Longueur d'échell mm	Length Longueur mm	Order No. N° de code
1H	-1 to +11	0.1	135	330	8.571.001
2H	9 to 21	0.1	135	330	8.571.002
3H	19 to 31	0.1	135	330	8.571.003
4H	29 to 41	0.1	135	330	8.571.004
5H	39 to 51	0.1	135	330	8.571.005
6H	49 to 61	0.1	135	330	8.571.006
7H	59 to 71	0.1	135	330	8.571.007
8H	69 to 81	0.1	135	330	8.571.008
9H	79 to 91	0.1	135	330	8.571.009
10H	89 to 101	0.1	135	330	8.571.010

### Special hydrometers

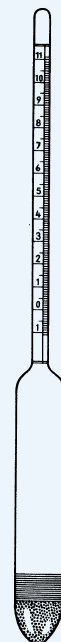
*Densimètres spéciaux*

Range Echelle	Division Division mm	Nominal scale Longueur d'échell mm	Length Longueur mm	Order No. N° de code
<b>For boiler feed-water acc. to Dr. Ing. Ammer, TP. 20 °C, with lead ballast</b> <i>Densimètre pour eau de chaudière selon Dr. Ing. Ammer, à 20°C</i>				
1-0-1	0.1	45	280	8.572.001
1-0-2	0.1	65	280	8.572.002
0.5-0-0.5	0.1	80	400	8.572.003
<b>Oechsle, TP. 20 °C, with lead ballast, without thermometer</b> <i>Densimètre de Oechsle à 20°C, sans thermomètre</i>				
0-120 % Vol.	1/1	120	270	8.575.000
<b>For Ca(OH)<sub>2</sub>, without thermometer, 20 °C</b> <i>Densimètre pour Ca(OH)<sub>2</sub> (klein nach unten) à 20°C, sans thermomètre</i>				
0-340 g/l	-	-	500	8.577.101
<b>For salt acc. to Bischoff, without thermometer</b> <i>Densimètre pour salinité selon Bischoff, sans thermomètre</i>				
0-27	-	-	240	8.577.201
<b>% hydrometer, without thermometer</b> <i>Densimètres à lecture en %, sans thermomètre</i>				
KOH	-	-	270	8.577.301
0-35 % NH <sub>3</sub>	-	-	250	8.577.302
0-27 % NaOH	-	-	250	8.577.303
0-10 % NaOH	-	-	250	8.577.304
0-47 % HNO <sub>3</sub>	-	-	250	8.577.305
0-39 % HCL	-	-	250	8.577.306
0-45 % H <sub>2</sub> SO <sub>4</sub>	-	-	250	8.577.307
0-30 % H <sub>2</sub> O <sub>2</sub>	-	-	250	8.577.308
<b>For testing accumulators 1.10-1.30, with glass tubing and rubber ball</b> <i>Densimètre pour batterie 1.10-1.30 avec tube en verre et poire en caoutchouc</i>				
1.10-1.30	-	-	-	8.578.100
Spare hydrometer	-	-	-	8.578.200
<b>For soil acc. to Casagrande. DIN 18123. Without thermometer, 20 °C</b> <i>Densimètre pour sol de Casagrande à 20°C, selon DIN 18123, sans thermomètre</i>				
0.995-1.030	0.0005	-	350	8.580.100

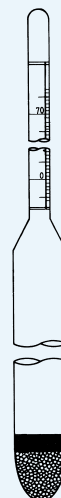
**Hydrometers for determining the s.g. of urine samples acc. to Vogel**  
1.000-1.060 g/cm<sup>3</sup>, 20 °C  
Available with or without thermometer

*Densimètres pour la détermination des échantillons d'urine selon Vogel à 20°C. Echelle 1.000 à 1.060 g/cm<sup>3</sup>, livrables avec ou sans thermomètre*

Scale division Division d'échell g/cm <sup>3</sup>	without thermometer sans thermomètre	with thermometer avec thermomètre
0.001	8.580.900	8.580.910
0.002	8.580.902	-



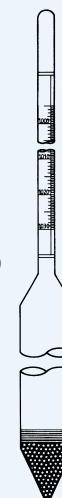
8.571.\*\*\*



8.572.001



8.578.100



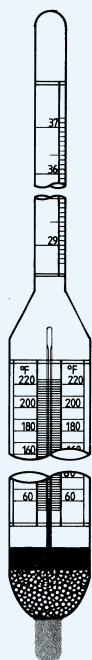
8.580.100



8.575.000



8.580.9\*\*



8.583.1\*\*

### Hydrometers.

Range 12° A. P. I. in 0.1° 60 °F, with thermometer, total length 380 mm

*Densimètres à échelle 12° A.P.I. avec thermomètre 60°F div. 0.1°F, longueur 380 mm*

A.P.I.No.	Scale Echelle	Thermometer Thermomètre	Order No. N° de code
51HL-62	-1 +11	0 +150	8.583.101
52HL-62	+9 +21	0 +150	8.583.102
53HL-62	+19 +31	0 +150	8.583.103
54HL-62	+29 +41	0 +150	8.583.104
55HL-62	+39 +51	0 +150	8.583.105
56HL-62	+49 +61	0 +150	8.583.106
57HL-62	+59 +71	0 +150	8.583.107
58HL-62	+69 +81	0 +150	8.583.108
59HL-62	+79 +91	0 +150	8.583.109
60HL-62	+89 +101	0 +150	8.583.110
51HM-62	-1 +11	+30 +180	8.583.111
52HM-62	+9 +21	+30 +180	8.583.112
53HM-62	+19 +31	+30 +180	8.583.113
54HM-62	+29 +41	+30 +180	8.583.114
55HM-62	+39 +51	+30 +180	8.583.115
56HM-62	+49 +61	+30 +180	8.583.116
57HM-62	+59 +71	+30 +180	8.583.117
58HM-62	+69 +81	+30 +180	8.583.118
59HM-62	+79 +91	+30 +180	8.583.119
60HM-62	+89 +101	+30 +180	8.583.120
51HH-62	-1 +11	+60 +220	8.583.121
52HH-62	+9 +21	+60 +220	8.583.122
53HH-62	+19 +31	+60 +220	8.583.123
54HH-62	+29 +41	+60 +220	8.583.124
55HH-62	+39 +51	+60 +220	8.583.125
56HH-62	+49 +61	+60 +220	8.583.126
57HH-62	+59 +71	+60 +220	8.583.127
58HH-62	+69 +81	+60 +220	8.583.128
59HH-62	+79 +91	+60 +220	8.583.129
60HH-62	+89 +101	+60 +220	8.583.130



### Portable Brix Meter

# Check-Brix



Can see sweetness within 2 seconds!

Easy to maintain by washing with water!

Measurement can be made anywhere!

No longer necessary to read graduation  
→ Digital Display!

**NEW**

*For measurements of  
sweetness of fruits, vegetables,  
foods and drinks!*

Portable Brix Meter from KEM, our partner in the laboratory world



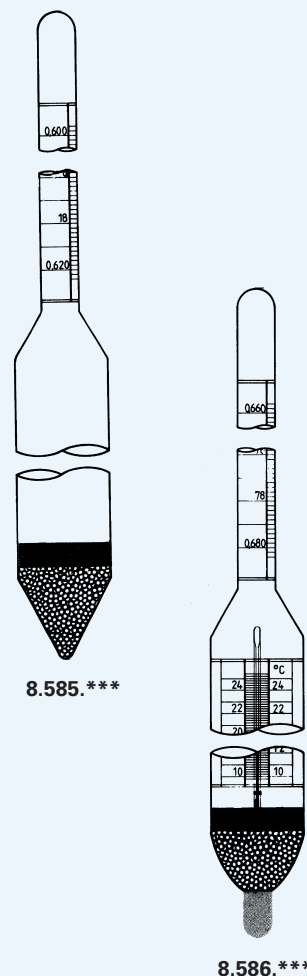
### Precision density hydrometers.

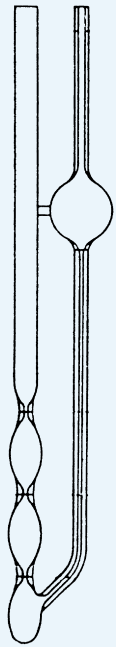
Range 0.20 g/ml in 0.0002 g/ml. Total length 430 mm. Please specify surface tension. Colour code to DIN 12790 and ISO R649 = yellow / red / blue for low / medium / high surface tension.

Available as DIN 12791, Tp. 20 °C, Series L20, without thermometer or as DIN 12785, Series L20 Th, with thermometer +10 +25 °C

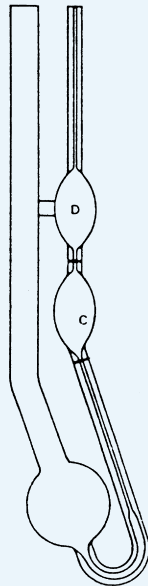
*Densimètres de précision selon DIN 12790 à 20°C, Série L20, échelle 0.20 g/cm<sup>3</sup> : 0.0002 g/ml. Longueur totale 430 mm. Livrables avec thermomètre (+10/+25°C) ou sans thermomètre*

Range	without thermometer	with thermometer
Echelle g/cm <sup>3</sup>	sans thermomètre	avec thermomètre
0.600-0.620	8.585.001	8.586.001
0.620-0.640	8.585.002	8.586.002
0.640-0.660	8.585.003	8.586.003
0.660-0.680	8.585.004	8.586.004
0.680-0.700	8.585.005	8.586.005
0.700-0.720	8.585.006	8.586.008
0.720-0.740	8.585.007	8.586.007
0.740-0.760	8.585.008	8.586.008
0.760-0.780	8.585.009	8.586.009
0.780-0.800	8.585.010	8.586.010
0.800-0.820	8.585.011	8.586.011
0.820-0.840	8.585.012	8.586.012
0.840-0.860	8.585.013	8.586.013
0.860-0.880	8.585.014	8.586.014
0.880-0.900	8.585.015	8.586.015
0.900-0.920	8.585.016	8.586.016
0.920-0.940	8.585.017	8.586.017
0.940-0.960	8.585.018	8.586.018
0.960-0.980	8.585.019	8.586.019
0.980-1.000	8.585.020	8.586.020
1.000-1.020	8.585.021	8.586.021
1.020-1.040	8.585.022	8.586.022
1.040-1.060	8.585.023	8.586.023
1.060-1.080	8.585.024	8.586.024
1.080-1.100	8.585.025	8.586.025
1.100-1.120	8.585.026	8.586.026
1.120-1.140	8.585.027	8.586.027
1.140-1.160	8.585.028	8.586.028
1.160-1.180	8.585.029	8.586.029
1.180-1.200	8.585.030	8.586.030
1.200-1.220	8.585.031	8.586.031
1.220-1.240	8.585.032	8.586.032
1.240-1.260	8.585.033	8.586.033
1.260-1.280	8.585.034	8.586.034
1.280-1.300	8.585.035	8.586.035

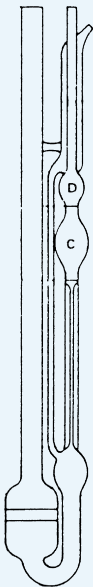




Type 1



Type 2



Type 3

**Viscometers.** Adjusted at 40 °C.  
ASTM D445 and 446, ISO 3104 and 3105.  
Calibrated. 3 types are available

1. Acc. to Cannon Fenske, not for opaque liquids.
2. Acc. to Cannon Fenske, BS 188, IP 71, for opaque liquids.
3. Acc. to Cannon Ubbelohde A and Dil. B.

*Tubes viscosimétriques selon ASTM D 445 et D446, ISO 3104 et ISO 3105, ajustés à 40°C.*

*Calibrés. 3 modèles disponibles:*

1. Cannon-Fenske pour liquides non-opaques
2. Cannon-Fenske selon BS 188, IP71 pour liquides opaques
3. Cannon-Ubbelohde A et B

Capillary No.	Range cSt Echelle mm <sup>2</sup> /s (nominal)	Constant Constante K (nominal)	Order No. N° de code Type 1	Order No. N° de code Type 2	Order No. N° de code Type 3
25	0.4-2	0.002	8.587.001 c	8.589.101 c	8.588.001 c
50	0.8-4	0.004	8.587.002 c	8.589.102 c	8.588.002 c
75	1.6-8	0.008	8.587.003 c	8.589.103 c	8.588.003 c
100	3-15	0.015	8.587.004 c	8.589.104 c	8.588.004 c
150	7-35	0.035	8.587.005 c	8.589.105 c	8.588.005 c
200	20-100	0.100	8.587.006 c	8.589.106 c	8.588.006 c
300	50-200	0.250	8.587.007 c	8.589.107 c	8.588.007 c
350	100-500	0.500	8.587.008 c	8.589.108 c	8.588.008 c
400	240-1200	1.200	8.587.009 c	8.589.109 c	8.588.009 c
450	500-2500	2.500	8.587.010 c	8.589.110 c	8.588.010 c
500	1600-8000	8.000	8.587.011 c	8.589.111 c	8.588.011 c
600	4000-20000	20.000	8.587.012 c	8.589.112 c	8.588.012 c
650	9000-45000	45.000	-	-	8.588.013 c
700	20000-100000	100.000	-	-	8.588.014 c

**Viscometers.** Adjusted at 40 °C.  
ASTM D445 and 446, ISO 3104 and 3105.  
Uncalibrated. 3 types are available

1. Acc. to Cannon Fenske, not for opaque liquids.
2. Acc. to Cannon Fenske, BS 188, IP 71, for opaque liquids.
3. Acc. to Cannon Ubbelohde A and Dil. B.

*Tubes viscosimétriques selon ASTM D 445 et D446, ISO 3104 et ISO 3105, ajustés à 40°C.*

*Non-calibrés. 3 modèles disponibles:*

1. Cannon-Fenske pour liquides non-opaques
2. Cannon-Fenske selon BS 188, IP71 pour liquides opaques
3. Cannon-Ubbelohde A et B

Capillary No.	Range cSt Echelle mm <sup>2</sup> /s (nominal)	Constant Constante K (nominal)	Order No. N° de code Type 1	Order No. N° de code Type 2	Order No. N° de code Type 3
25	0.4-2	0.002	8.587.001	8.589.101	8.588.001
50	0.8-4	0.004	8.587.002	8.589.102	8.588.002
75	1.6-8	0.008	8.587.003	8.589.103	8.588.003
100	3-15	0.015	8.587.004	8.589.104	8.588.004
150	7-35	0.035	8.587.005	8.589.105	8.588.005
200	20-100	0.100	8.587.006	8.589.106	8.588.006
300	50-200	0.250	8.587.007	8.589.107	8.588.007
350	100-500	0.500	8.587.008	8.589.108	8.588.008
400	240-1200	1.200	8.587.009	8.589.109	8.588.009
450	500-2500	2.500	8.587.010	8.589.110	8.588.010
500	1600-8000	8.000	8.587.011	8.589.111	8.588.011
600	4000-20000	20.000	8.587.012	8.589.112	8.588.012
650	9000-45000	45.000	-	-	8.588.013
700	20000-100000	100.000	-	-	8.588.014



**Viscometers, ASTM D445 and D446,** ISO 3104, 3105. Length approx. 283 mm. For use with transparent liquids.

*Tubes viscosimétriques selon ASTM D 445 et D446, ISO 3104 et ISO 3105, pour liquides transparents.*

Capillary No.	Range cSt Echelle mm <sup>2</sup> /s (nominal)	Constant Constante K (nominal)	Order No. N° de code non-calibrated	Order No. N° de code calibrated
0	0.3-1	0.001	8.589.001	8.589.101
0C	0.6-3	0.003	8.589.002	8.589.102
0B	1-5	0.005	8.589.003	8.589.103
1	2-10	0.010	8.589.004	8.589.104
1C	6-30	0.030	8.589.005	8.589.105
1B	10-50	0.050	8.589.006	8.589.106
2	20-100	0.100	8.589.007	8.589.107
2C	60-300	0.300	8.589.008	8.589.108
2B	100-500	0.500	8.589.009	8.589.109
3	200-1000	1.000	8.589.010	8.589.110
3C	600-3000	3.000	8.589.011	8.589.111
3B	1000-5000	5.000	8.589.012	8.589.112
4	2000-10000	10.000	8.589.013	8.589.113
4C	6000-30000	30.000	8.589.014	8.589.114
4B	10000-50000	50.000	8.589.015	8.589.115
5	20000-100000	100.000	8.589.016	8.589.116

**Viscometers, Ostwald pattern.** For the determination of the viscosity of liquids. Ring marks and inscriptions in blue color

*Tubes viscosimétriques selon Ostwald. Pour la détermination de la viscosité des liquides. Marques et repaires en bleu*

Flow time Temps d'écoulement s	Nominal constant Constante nominale	Order No. N° de code
45	0.022	8.589.201
85	0.011	8.589.202
125	0.008	8.589.203

**Ubbelohde viscometers, DIN type** with imprinted constant acc. to ISO/DIN 3105, DIN 51502, BS 188, KFT 60-100.

*Tubes viscosimétriques Ubbelohde selon ISO 3105, DIN 51502, BS 188, KFT 60-100*

Capillary No.	Inner Ø Ø int.	Constant Constante K	Range Echelle mm <sup>2</sup> /s	Order No. N° de code non-calibrated non-calibré	Order No. N° de code calibrated calibré
0	0.36	0.001	0.2-1	8.589.301	8.589.401
0c	0.47	0.003	0-3	8.589.302	8.589.402
0a	0.53	0.005	0.8-5	8.589.303	8.589.403
I	0.63	0.01	1.2-10	8.589.304	8.589.404
Ic	0.84	0.03	3-30	8.589.305	8.589.405
Ia	0.95	0.05	5-50	8.589.306	8.589.406
II	1.13	0.1	10-100	8.589.307	8.589.407
IIc	1.50	0.3	30-300	8.589.308	8.589.408
IIa	1.69	0.5	50-500	8.589.309	8.589.409
III	2.01	1	100-1000	8.589.310	8.589.410
IIIc	2.65	3	300-3000	8.589.311	8.589.411
IIIa	3.00	5	500-5000	8.589.312	8.589.412
IV	3.60	10	1000-10000	8.589.313	8.589.413

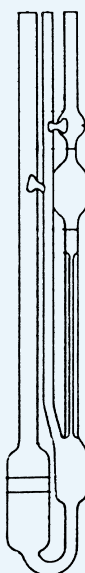
#### Accessories / Accessoires

Fixing stand, VA-steel, for all Ubbelohde viscometers **8.589.550**  
*Statif de fixation en acier inoxydable, pour tous les viscosimètres Ubbelohde*

**Further types are available upon request:**

Cannon Ubbelohde semi micro-viscometer.  
 Cross arm-viscometer.  
 Reverse-flow viscometer.  
 Semi micro viscometer.  
 Pinkevitek Viscometer.  
 Fitzsimons Viscometer (1+2 cap.).  
 Atlantic-Viscometer.  
 Zeitfuchs-Viscometer.  
 S. I. L.-viscometer.  
 U-Tube and Mini-U-Tube-Viscosimeter.  
 Special productions against your specs.

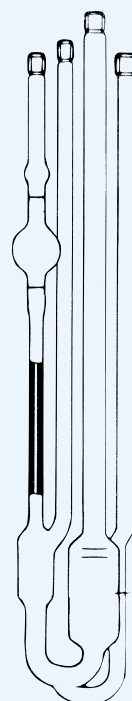
*D'autres modèles sont disponibles sur demande, également avec certificat d'étalonnage officiel, pour les types suivants et aussi sur fabrication spéciale selon vos besoins*



8.589.1\*\*

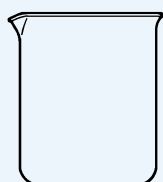


8.589.2\*\*



8.589.3\*\*



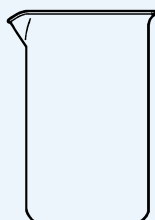


8.600.\*\*\*

**Beakers low form with spout, DIN 12332,**  
made of quartz-glass

*Béchers forme basse à bec, DIN 12332, en verre  
de silice transparent*

Capacity Capacité ml	Outer Ø Ø int. mm	Height Hauteur mm	Order No. N° de code
5	22	31	8.600.005
10	26	36	8.600.010
25	32	47	8.600.025
50	40	55	8.600.050
100	50	70	8.600.100
150	55	80	8.600.150
250	69	90	8.600.250
400	85	100	8.600.400
600	90	126	8.600.600
800	98	135	8.600.800
1000	106	148	8.600.001

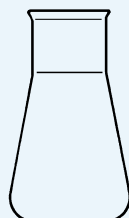


8.601.\*\*\*

**Beakers high form with spout, DIN 12332,**  
made of quartz-glass

*Béchers forme haute à bec, DIN 12332, en verre  
de silice transparent*

Capacity Capacité ml	Outer Ø Ø int. mm	Height Hauteur mm	Order No. N° de code
5	18	32	8.601.005
25	30	55	8.601.025
50	38	65	8.601.050
100	45	80	8.601.100
250	60	115	8.601.250
400	70	130	8.601.400
600	78	145	8.601.600
800	86	170	8.601.800
1000	95	185	8.601.001

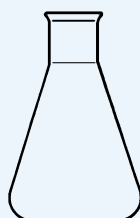


8.605.\*\*\*

**Erlenmeyer-Flasks, DIN 12385, wide neck,**  
made of quartz-glass, with rim

*Fioles Erlenmeyer, DIN 12385, col large, en verre  
de silice transparent, à bord évasé*

Capacity Capacité ml	Outer Ø Ø int. mm	Height Hauteur mm	Order No. N° de code
25	70	35	8.605.025
50	80	51	8.605.050
100	100	63	8.605.100
200	125	79	8.605.200
250	140	80	8.605.250
300	155	90	8.605.300
500	180	95	8.605.500
750	200	112	8.605.750
1000	200	129	8.605.001
2000	280	150	8.605.002



8.606.\*\*\*

**Erlenmeyer-Flasks, DIN 12380, narrow  
neck, made of quartz-glass, with rim**

*Fioles Erlenmeyer, DIN 12380, col étroit, en verre  
de silice transparent, à bord évasé*

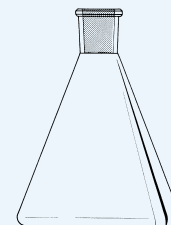
Capacity Capacité ml	Outer Ø Ø int. mm	Height Hauteur mm	Order No. N° de code
25	70	35	8.606.025
50	80	54	8.606.050
100	100	65	8.606.100
200	125	73	8.606.200
250	140	84	8.606.250
300	155	88	8.606.300
500	180	96	8.606.500
750	200	118	8.606.750
1000	200	136	8.606.001
2000	280	160	8.606.002



**Erlenmeyer-Flasks, DIN 12387, wide neck,**  
made of quartz-glass, with socket

*Fioles Erlenmeyer, DIN 12387, col large, en verre  
de silice transparent, à rodage*

Capacity Capacité	Outer Ø Ø int.	Height Hauteur	Socket Rodage	Order No. N° de code
ml	mm	mm	ST	
25	42	35	19/26	8.605.025 S
50	51	85	29/32	8.605.050 S
100	64	105	29/32	8.605.100 S
200	75	125	45/40	8.605.200 S
250	85	140	45/40	8.605.250 S
500	105	175	45/40	8.605.500 S
1000	131	220	45/40	8.605.001 S
2000	166	280	45/40	8.605.002 S

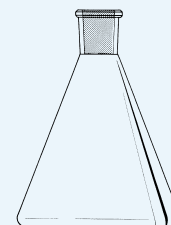


8.605.\*\*\* S

**Erlenmeyer-Flasks, DIN 12387, narrow  
neck, made of quartz-glass, with socket**

*Fioles Erlenmeyer, DIN 12387, col étroit, en verre  
de silice transparent, à rodage*

Capacity Capacité	Outer Ø Ø int.	Height Hauteur	Socket Rodage	Order No. N° de code
ml	mm	mm	ST	
25	42	70	14,5/23	8.606.025 S
50	51	85	14,5/23	8.606.050 S
100	64	105	14,5/23	8.606.100 S
150	74	115	19/26	8.606.150 S
200	79	125	29/32	8.606.200 S
250	85	140	29/32	8.606.250 S
300	87	150	29/32	8.606.300 S
500	105	175	29/32	8.606.500 S
750	118	200	29/32	8.606.750 S
1000	131	220	29/32	8.606.001 S
2000	166	280	29/32	8.606.002 S
3000	187	310	29/32	8.607.003 S

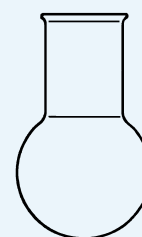


8.606.\*\*\* S

**Flask, round bottom, with short wide neck,**  
with beaded rim, made of quartz-glass

*Ballon à fond rond, col large à bord évasé, en  
verre de silice transparent*

Capacity Capacité	Outer Ø Ø int.	Height Hauteur	Order No. N° de code
ml	mm	mm	
25	42	75	8.608.025
50	51	85	8.608.050
100	63	100	8.608.100
250	85	125	8.608.250
500	105	150	8.608.500
750	120	170	8.608.750
1000	130	200	8.608.001
2000	165	235	8.608.002

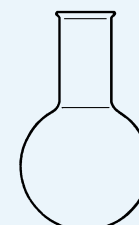


8.608.\*\*\*

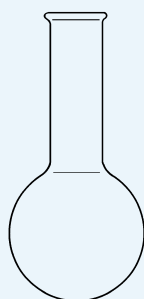
**Flask, round bottom, with short narrow  
neck, with beaded rim, made of quartz-  
glass**

*Ballon à fond rond, col étroit à bord évasé, en  
verre de silice transparent*

Capacity Capacité	Outer Ø Ø int.	Height Hauteur	Order No. N° de code
ml	mm	mm	
25	42	75	8.609.025
50	51	85	8.609.050
100	63	100	8.609.100
250	85	125	8.609.250
500	105	150	8.609.500
750	120	170	8.609.750
1000	130	200	8.609.001
2000	165	235	8.609.002



8.609.\*\*\*



8.610.\*\*\*

Flask, round bottom, with long narrow neck, with beaded rim, made of quartz-glass

*Ballon à fond rond, col étroit à bord évasé, en verre de silice transparent*

Capacity Capacité ml	Outer Ø Ø int. mm	Height Hauteur mm	Order No. N° de code
25	42	110	8.610.025
50	51	120	8.610.050
100	63	150	8.610.100
250	85	200	8.610.250
500	105	250	8.610.500
750	120	275	8.610.750
1000	130	300	8.610.001
2000	165	335	8.610.002



8.608.\*\*\* S

Flask, round bottom, with wide neck, with socket, made of quartz-glass

*Ballon à fond rond, col large à rodage, en verre de silice transparent*

Capacity Capacité ml	Outer Ø Ø int. mm	Height Hauteur mm	Socket Rodage ST	Order No. N° de code
50	51	105	29/32	8.608.050 S
100	64	115	29/32	8.608.100 S
250	85	145	45/40	8.608.250 S
500	105	175	45/40	8.608.500 S
1000	131	210	45/40	8.608.001 S
2000	165	260	45/40	8.608.002 S

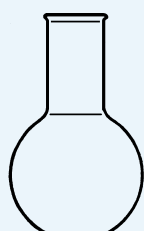


8.609.\*\*\* S

Flask, round bottom, with narrow neck, with socket, made of quartz-glass

*Ballon à fond rond, col étroit à rodage, en verre de silice transparent*

Capacity Capacité ml	Outer Ø Ø int. mm	Height Hauteur mm	Socket Rodage ST	Order No. N° de code
25	41	67	14,5/23	8.609.025 S
50	51	105	19/26	8.609.050 S
100	64	115	19/26	8.609.100 S
250	85	145	29/32	8.609.250 S
500	105	175	29/32	8.609.500 S
1000	131	210	29/32	8.609.001 S
2000	165	260	29/32	8.609.002 S

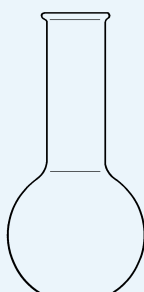


8.611.\*\*\*

Flask, flat bottom, with short neck, DIN 12375, with beaded rim, made of quartz-glass

*Ballon à fond plat, DIN 12375, col étroit à bord évasé, en verre de silice transparent*

Capacity Capacité ml	Outer Ø Ø int. mm	Height Hauteur mm	Order No. N° de code
25	42	70	8.611.025
50	51	70	8.611.050
100	63	90	8.611.100
250	85	125	8.611.250
500	105	150	8.611.500
750	117	175	8.611.750
1000	131	200	8.611.001
2000	165	200	8.611.002



8.612.\*\*\*

Flask, flat bottom, with long neck, DIN 12370, with beaded rim, made of quartz-glass

*Ballon à fond plat, DIN 12370, col étroit à bord évasé, en verre de silice transparent*

Capacity Capacité ml	Outer Ø Ø int. mm	Height Hauteur mm	Order No. N° de code
25	42	75	8.612.025
50	51	85	8.612.050
100	63	100	8.612.100
250	85	150	8.612.250
500	105	200	8.612.500
750	117	215	8.612.750
1000	131	230	8.612.001
2000	165	250	8.612.002



**Kjeldahl Flasks, DIN 12360**, with beaded rim, made of quartz-glass

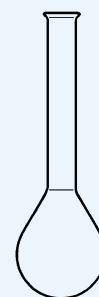
*Fioles de Kjeldahl, DIN 12360, en verre de silice transparent, à bord évasé*

Capacity <i>Capacité</i>	Outer Ø <i>Ø int.</i>	Height <i>Hauteur</i>	Order No. <i>N° de code</i>
ml	mm	mm	
50	49	200	8.613.050
100	60	200	8.613.100
250	81	270	8.613.250
500	101	300	8.613.500
750	115	340	8.613.750
1000	126	350	8.613.001
2000	150	415	8.613.002

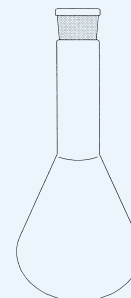
**Kjeldahl Flasks, with socket**, made of quartz-glass

*Fioles de Kjeldahl, en verre de silice transparent, à rodage*

Capacity <i>Capacité</i>	Outer Ø <i>Ø int.</i>	Height <i>Hauteur</i>	Socket <i>Rodage</i>	Order No. <i>N° de code</i>
ml	mm	mm	ST	
50	51	200	19/26	8.613.050 S
100	60	200	19/26	8.613.100 S
250	81	280	19/26	8.613.250 S
500	101	300	19/26	8.613.500 S
750	115	340	19/26	8.613.750 S
1000	126	350	19/26	8.613.001 S



8.613.\*\*\*

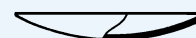


8.613.\*\*\* S

**Watch glasses, DIN 12341**, made of quartz-glass

*Verre de montre, en silice, selon DIN 12341*

Outer Ø <i>Ø ext.</i>	Order No. <i>N° de code</i>
mm	
20	8.629.001
40	8.629.002
50	8.629.003
60	8.629.004
70	8.629.005
80	8.629.006
100	8.629.007

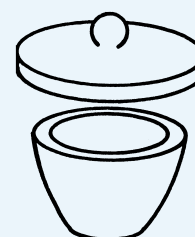


8.629.\*\*\*

**Crucibles and cover, low form**, made of quartz-glass

*Creusets et couvercles, forme basse, en verre de silice transparent*

Capacity <i>Capacité</i>	Outer Ø <i>Ø int.</i>	Height <i>Hauteur</i>	Complete with cover <i>Complet avec couvercle</i>	Crucible <i>Creuset</i>	Cover <i>Couvercle</i>
ml	mm	mm			
6	30	20	8.630.001	8.630.101	8.630.201
15	40	26	8.630.002	8.630.102	8.630.202
29	50	33	8.630.003	8.630.103	8.630.203
50	60	40	8.630.004	8.630.104	8.630.204
150	70	56	8.630.005	8.630.105	8.630.205

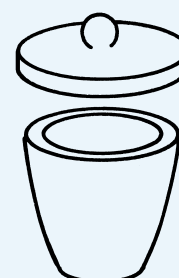


8.630.\*\*\*

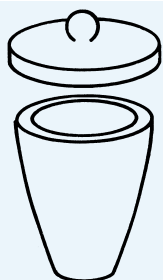
**Crucibles and cover, medium form**, made of quartz-glass

*Creusets et couvercles, forme moyenne, en verre de silice transparent*

Capacity <i>Capacité</i>	Outer Ø <i>Ø int.</i>	Height <i>Hauteur</i>	Complete with cover <i>Complet avec couvercle</i>	Crucible <i>Creuset</i>	Cover <i>Couvercle</i>
ml	mm	mm			
15	35	28	8.631.001	8.631.101	8.631.201
20	40	32	8.631.002	8.631.102	8.631.202
33	45	36	8.631.003	8.631.103	8.631.203
40	40	50	8.631.004	8.631.104	8.631.204
75	50	63	8.631.005	8.631.105	8.631.205



8.631.\*\*\*



8.633.\*\*\*

**Crucibles and cover, tall form, made of quartz-glass**

*Creusets et couvercles, forme haute, en verre de silice transparent*

Capacity	Outer Ø	Height	Complete with cover	Crucible	Cover
Capacité	Ø int.	Hauteur	Complet avec couvercle	Creuset	Couvercle
ml	mm	mm			
30	40	40	8.633.001	8.633.101	8.633.201
40	45	45	8.633.002	8.633.102	8.633.202
50	50	50	8.633.003	8.633.103	8.633.203
90	60	60	8.633.004	8.633.104	8.633.204
100	65	65	8.633.005	8.633.105	8.633.205



8.651.\*\*\*

**Evaporating dishes, DIN 12341, made of quartz-glass**

*Capsules d'évaporation, en silice, selon DIN 12341*

Capacity	Outer Ø	Height	Order No.
Capacité	Ø int.	Hauteur	N° de code
ml	mm	mm	
10	40	18	8.651.001
15	50	25	8.651.002
45	60	30	8.651.003
60	70	35	8.651.004
90	80	45	8.651.005
170	95	55	8.651.006
320	115	65	8.651.007



8.653.\*\*\*

**Crystallizing dishes, with spout, made of quartz-glass**

*Cristallisoirs à bec, en silice*

Capacity	Outer Ø	Height	Order No.
Capacité	Ø int.	Hauteur	N° de code
ml	mm	mm	
20	40	25	8.653.001
40	50	30	8.653.002
60	60	35	8.653.003
100	70	40	8.653.004
150	80	45	8.653.005
300	95	55	8.653.006
400	100	60	8.653.007



**Witec Wise Therm® F - Digital Muffle Furnaces**  
**With 4-side Heating & Digital PID Control System**  
**for Lab & Industrie from 3 - 63 Lit., 1000 °C**





**Test tube supports**, made of polished wood

*Portoirs en bois pour tubes à essais*

Dimension <i>Dimension</i> mm	depth of holes mm	Holes <i>Orifices</i>	Order No. <i>N° de code</i>
<b>Low form, height of deck 80 mm / <i>Forme basse, hauteur du rayonnage 80 mm</i></b>			
210 x 70 x 120	18	1 x 6	9.000.001
210 x 70 x 120	18	2 x 6	9.000.002
<b>Tall form, 2 decks, height of deck 80 mm / <i>Forme haute, à 2 rayonnages de hauteur 80 mm</i></b>			
200 x 65 x 120	18	1 x 6	9.010.001
220 x 75 x 120	18	2 x 6	9.010.002
120 x 70 x 190	18	2 x 3	9.020.001
210 x 70 x 190	18	2 x 6	9.020.002
290 x 90 x 190	18	3 x 8	9.020.004
<b>Height of deck 160 mm / <i>Forma basse, hauteur du rayonnage 160 mm</i></b>			
290 x 65 x 200	30	1 x 6	9.030.001
290 x 90 x 200	30	2 x 6	9.030.002
<b>Tall form, 2 decks, height of deck 80 mm / <i>Forme haute, à 2 rayonnages de hauteur 160 mm</i></b>			
120 x 70 x 190	18	2 x 3	9.040.001
210 x 90 x 190	18	2 x 6	9.040.002
370 x 90 x 190	18	2 x 12	9.040.004
370 x 190 x 150	18	4 x 12	9.040.006

**Filtration support (funnel support)**, made of polished wood. Detachable, height adjustable, height 500 mm

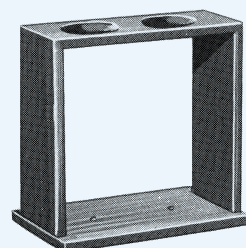
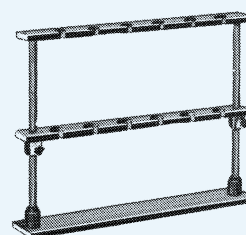
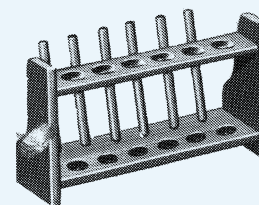
*Support de filtration en bois, pour trois entonnoirs, hauteur réglable, 500 mm*

Dimension <i>Dimension</i> mm	No. of openings <i>Nombre de places</i>	Rows	Order No. <i>N° de code</i>
110 x 300	2	1	9.050.003

**Support for Imhof-funnels**, made of polished wood. Ø of bore 80 mm

*Support en bois pour deux cônes d'Imhoff, orifices de 80 mm*

Dimension <i>Dimension</i> mm	No. of openings <i>Nombre de places</i>	Order No. <i>N° de code</i>
300 x 180 x 300	2	9.130.002



# STOPPERS BOUCHONS



9.200.\*\*\*

**Steristoppers**, made of cellulose. "BIOGEN". For steril non-toxic closure of different cultures, sterilizable and autoclavable, air-pervious and bacteria filtering.

*Bouchons en cellulose "BIOGEN", pour fermeture stérile non-toxique de cultures, autoclavables*

For neck inner Ø Pour col de Ø int. mm	Order No. N° de code
6.5 - 7	9.200.004
5.5 - 6.5	9.200.005
6.5 - 7.5	9.200.006
8.5 - 9.5	9.200.007
9.5	9.200.008
10.5 - 11.5	9.200.009
9.5 - 11.5	9.200.010
12 - 14.5	9.200.011
11.5 - 13.5	9.200.012
12.5 - 14.5	9.200.013
13 - 14.5	9.200.014
13.5 - 15.5	9.200.015
16.5 - 18	9.200.016
13 - 16	9.200.017
17.5 - 18.5	9.200.018
19 - 22	9.200.019
20.5 - 22	9.200.020
21.5 - 23	9.200.022
26 - 27	9.200.026
27 - 32.5	9.200.027
29.5 - 31	9.200.029
32.5 - 35	9.200.032
33.5 - 36.5	9.200.034
35.5 - 39.5	9.200.036
37.5 - 41.5	9.200.037

**Stoppers**, silicone, transparent, flexible, extremely resistant against high temperature, cold and chemical attacks (-60 to +180 °C).

*Bouchons en silicone transparent, flexibles, à haute résistance thermique (-60/+180°C) et chimique*



9.201.\*\*\*

Ø top / bottom Ø Sup./Inf. mm	Length Longueur mm	Order No. N° de code
6.5/3.5	15	9.201.001
9/5	20	9.201.002
12/8	20	9.201.003
14.5/10	20	9.201.004
16.5/12.5	20	9.201.005
18/14	20	9.201.006
22/17	25	9.201.007
24/18	30	9.201.008
27/21	30	9.201.009
29/23	30	9.201.010
32/26	30	9.201.011
35/29	30	9.201.012
38/31	35	9.201.013
44/36	40	9.201.014
45/41	40	9.201.015
55/47	40	9.201.016
59.5/50.5	45	9.201.017
65/56	45	9.201.018
70/60	50	9.201.019
75.5/64.5	55	9.201.020
83/71	60	9.201.021
92/79	65	9.201.022
100/87	65	9.201.023
107/94	65	9.201.024

Please refer also page 608

*veuillez svp vous référer aux page 608*



### Grey-blue rubber stoppers

- Natural rubber
- Elastic and resistant providing good tightness and adhesion
- Withstands chemical agents in normal laboratory use
- Temperature from -35°C to +70°C (+120 °C in damp heat)
- Recommended in contact with non aggressive or low concentrated solutions

### Bouchons en caoutchouc gris-bleu

- Caoutchouc naturel
- Élastiques et haute résistance avec bonne étanchéité
- Résistants contre les agents chimiques au laboratoire
- Plage de température -35°C à +70°C. (+120°C sous vapeur)
- Recommandés en contact avec les solutions non-agressives ou faiblement concentrées

bottom / top mm	Length Longueur	Standard pack Conditionnement pcs.	Order No. N° de code	Order No. N° de code 1 hole / 1 trou
3.5/6.5	15.0	100	9.202.000	
		50	9.202.001	
4.0/8.0	20.0	100	9.202.003	
		50	9.202.004	
5.0/9.0	20.0	100	9.202.005	
		50	9.202.006	
8.0/12.0	20.0	50	9.202.007	9.202.107
10.5/14.5	20.0	50	9.202.008	
12.5/16.5	20.0	50	9.202.009	
14.0/18.0	20.0	50	9.202.010	
		25	9.202.011	
17.0/22.0	25.0	50	9.202.012	9.202.112
		25	9.202.013	9.202.113
18.0/24.0	30.0	50	9.202.014	
		10	9.202.015	
21.0/27.0	30.0	50	9.202.016	9.202.116
		10	9.202.017	9.202.117
23.0/29.0	30.0	50	9.202.018	
26.0/32.0	30.0	10	9.202.019	9.202.119
29.0/35.0	30.0	20	9.202.020	9.202.120
		10	9.202.021	9.202.121
31.0/38.0	35.0	10	9.202.022	
34.0/41.0	35.0	20	9.202.023	
		5	9.202.025	
36.0/44.0	40.0	20	9.202.026	
		5	9.202.027	
41.0/49.0	40.0	10	9.202.028	
		5	9.202.029	
47.0/55.0	40.0	10	9.202.030	
		5	9.202.031	
50.5/59.5	45.0	10	9.202.032	
		5	9.202.033	
56.0/65.0	45.0	5	9.202.034	
60.0/70.0	50.0	5	9.202.035	
64.5/75.5	55.0	5	9.202.036	
71.0/83.0	60.0	5	9.202.037	
79.0/92.0	65.0	5	9.202.038	
87.0/100.0	65.0	5	9.202.039	
			9.202.040	
94.0/107.0	65.0	1	9.202.041	
			9.202.042	



9.202.0\*\*



### Grey-blue rubber stoppers

- Natural rubber
- Elastic and resistant providing good tightness and adhesion
- Withstands chemical agents in normal laboratory use
- Temperature from -35°C to +70°C (+120 °C in damp heat)
- Recommended in contact with non aggressive or low concentrated solutions
- From 1 to 5 pre - holes

### Bouchons en caoutchouc gris-bleu

- Caoutchouc naturel
- Élastiques et haute résistance avec bonne étanchéité
- Résistants contre les agents chimiques au laboratoire
- Plage de température -35°C à +70°C. (+120°C sous vapeur)
- Recommandés en contact avec les solutions non-agressives ou faiblement concentrées
- Livrables avec 1 à 5 trous



9.202.2\*\*

bottom / top Ø Sup./Inf. mm	Length Longueur mm	No. of holes N° de trous	Ø of holes Ø de trous mm	Standard pack Conditionnement pcs.	Order No. N° de code
8.0/12.0	20.0	1	4.0	50	9.202.200
10.5/14.5	20.0	1	4.5	50	9.202.201
14.0/18.0	20.0	2	4.5	50	9.202.202
17.0/22.0	25.0	3	4.5	50	9.202.203
18.0/24.0	30.0	3	5.0	50	9.202.204
21.0/27.0	30.0	5	6.0	50	9.202.205
29.0/35.0	30.0	5	6.5	20	9.202.206
31.0/38.0	35.0	5	6.5	20	9.202.207
34.0/41.0	35.0	5	6.5	20	9.202.208
36.0/44.0	40.0	5	6.5	20	9.202.209
47.0/55.0	40.0	5	7.0	10	9.202.210
50.5/59.5	45.0	5	9.0	10	9.202.211
56.0/65.0	45.0	5	9.5	5	9.202.212
60.0/70.0	50.0	5	10.0	5	9.202.213
87.0/100.0	65.0	5	11.5	3	9.202.214

### Versilic stoppers

- High grade translucent pure silicone
- Biological neutral, chemical inert
- Temperature from -60 °C to +200 °C (peaks at +220 °C)

### Bouchons pleins en versilic (silicone)

- en silicone pure translucide
- Biologiquement neutre, chimiquement inerte
- Plage de température -60 °C à +200 °C (temporairement jusqu'à +220 °C)



9.202.3\*\*

Ø top / bottom Ø Sup./Inf. mm	Length Longueur mm	No. of holes N° de trous	Standard pack Conditionnement pcs.	Order No. N° de code
3.5	6.5	15.0	50	9.202.300
4.0	8.0	20.0	50	9.202.301
5.0	9.0	20.0	50	9.202.302
8.0	12.0	20.0	50	9.202.303
10.5	14.5	20.0	50	9.202.304
12.5	16.5	20.0	50	9.202.305
14.0	18.0	20.0	20	9.202.306
17.0	22.0	25.0	20	9.202.307
18.0	24.0	30.0	20	9.202.308
21.0	27.0	30.0	10	9.202.309
23.0	29.0	30.0	10	9.202.310
26.0	32.0	30.0	10	9.202.311
29.0	35.0	30.0	5	9.202.312
31.0	38.0	35.0	5	9.202.313
34.0	41.0	35.0	5	9.202.314
36.0	44.0	40.0	5	9.202.315
			2	9.202.316
41.0	49.0	40.0	2	9.202.317
47.0	55.0	40.0	2	9.202.318
50.5	59.5	45.0	2	9.202.319
56.0	65.0	45.0	2	9.202.320
60.0	70.0	50.0	2	9.202.321
64.5	75.5	55.0	2	9.202.322
71.0	83.0	60.0	2	9.202.323
79.0	92.0	65.0	1	9.202.324
87.0	100.0	65.0	1	9.202.325



**Cork stoppers**, for laboratory purposes, extra fine quality SI, packed in plastic bags (see minimum quantity). Smaller quantities are only available at surcharge of 40%

*Bouchons en liège de laboratoire, très bonne qualité, livrés en sachet standard (voir quantité minimum). Une quantité inférieure fera objet d'un supplément de prix de 40%*

Ø top / bottom Ø Sup./Inf. mm	Length Longueur mm	Type Type	Standard pack Conditionnement pcs.	Order No. N° de code
10/7	19	0	200	9.300.000
12/9	17	1	200	9.300.001
15/12	22	2	200	9.300.002
17/14	22	3	200	9.300.003
20/17	22	4	100	9.300.004
26/22	27	5	100	9.300.005
30/26	27	6	100	9.300.006
36/32	27	7	50	9.300.007
40/36	27	8	50	9.300.008
45/40	30	9	25	9.300.009
50/45	30	10	25	9.300.010
55/50	30	11	25	9.300.011
60/55	30	12	10	9.300.012
65/60	30	13	10	9.300.013
70/65	30	14	10	9.300.014
75/70	30	15	10	9.300.015
80/75	30	16	10	9.300.016
85/80	30	17	10	9.300.017
90/85	30	18	10	9.300.018
95/90	30	19	5	9.300.019
100/95	30	20	5	9.300.020



9.300.\*\*\*

**Cork laboratory rings**, for supporting flasks, dishes etc. height 30 mm.

*Anneaux en liège, pour ballon ou autre récipient. Hauteur 30 mm*

For flask Pour flacon ml	Outer Ø Ø ext. mm	Inner Ø Ø int. mm	Order No. N° de code
50-250	80	30	9.302.001
500-1000	110	60	9.302.002
2000-4000	140	90	9.302.003
6000-10000	170	120	9.302.004
20000	210	150	9.302.005
	240	180	9.302.006



9302.\*\*\*



**Witeg WiseCircu® WCH**

**High Temperature Bath Circulators**

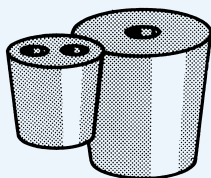
**With Digital Fuzzy Control & Digital LCD Backlight System**

**for your Laboratory, from 8 - 30 Lit., up to 250 °C, ± 0.1 °C**





9.303.\*\*\*



9.305.\*\*\*

**Rubber stoppers**, grey natural rubber, solid, shore-hardness 35 - 5°, specific weight 0,99, non-toxic, low sulphur content, especially for laboratory purposes. Rubber stoppers are available with 1 or 2 holes, 3 - 8 mm Ø.

*Bouchons de laboratoire en caoutchouc naturel gris, dureté shore 35-5°, faible teneur en soufre. Disponibles également avec 1 ou 2 trous compris entre 3 et 8 mm chacun en fonction du diamètre du bouchon*

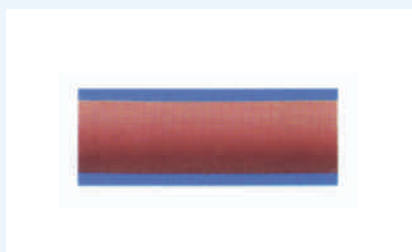
Ø top / bottom Ø Sup./Inf. mm	Length Longueur mm	Type Type	Standard pack Conditionnement pcs.	Order No. N° de code
8/4	20	0	200	9.303.000
10/6	20	1	200	9.303.001
13/9	20	2	200	9.303.002
15/11	20	3	200	9.303.003
19/14	20	4	100	9.303.004
21/16	25	5	100	9.303.005
24/19	25	6	100	9.303.006
27/22	25	7	50	9.303.007
31/25	30	8	50	9.303.008
34/28	30	9	25	9.303.009
38/31	35	10	25	9.303.010
41/34	35	11	25	9.303.011
45/38	35	12	10	9.303.012
49/42	35	13	10	9.303.013
54/46	40	14	10	9.303.014
60/50	50	15	10	9.303.015
73/63	50	16	10	9.303.016
90/70	50	17	10	9.303.017
92/78	50	18	10	9.303.018
95/85	50	19	5	9.303.019
105/95	50	20	5	9.303.020
Surcharge for 1 hole <i>Supplément pour 1 trou</i>				9.305.001
Surcharge for 2 holes <i>Supplément pour 2 trous</i>				9.305.002

## Rubber Tubing

### Tuyau en caoutchouc

**Rubber tubing** for laboratory purposes, quality "Para HR 1374 red"

*Tuyau en caoutchouc rouge pour laboratoire (eau et gaz), qualité Para HR 1374*

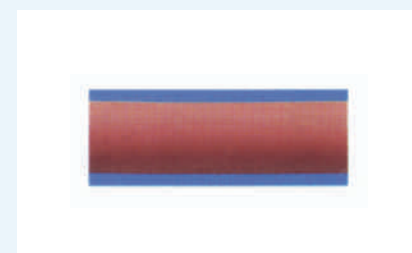


9.311.\*\*\*

Inner Ø Ø int. mm	Wall thickness Épaisseur mm	Order No. N° de code
3	1.5	9.311.001
4	1.5	9.311.002
5	1.5	9.311.003
6	1.5	9.311.004
6	2	9.311.005
7	1.5	9.311.006
7	2	9.311.007
8	2	9.311.008
9	2	9.311.009
10	2	9.311.010
12	2.5	9.311.011
12	3	9.311.012
15	3	9.311.013
20	3.5	9.311.014

**Rubber vacuum tubing (high pressure)** for laboratory purposes, quality "Para HR 1374 red"

*Tuyau pour vide en caoutchouc rouge, résistant à la haute pression, qualité Para HR 1374*



9.312.\*\*\*

Inner Ø Ø int. mm	Wall thickness Épaisseur mm	Order No. N° de code
4	3	9.312.001
5	5	9.312.002
6	3.5	9.312.003
7	5	9.312.004
8	6	9.312.005
10	5	9.312.006



## PVC Tubing

*Tuyau souple en PVC*

PVC-tubing, clear, resistant against acids and oil, approx. 65/70° shore hardness

*Tuyau souple en PVC cristal, résistant aux acides et huiles, dureté shore env. 65/70°*

Inner Ø Ø int. mm	Wall thickness Épaisseur mm	Order No. N° de code
2	1	9.313.002
4	1.5	9.313.004
5	1	9.313.005
6	1.5	9.313.006
6	2	9.313.007
7	1.5	9.313.008
8	1.5	9.313.009
9	2	9.313.010
10	2	9.313.011
12	2	9.313.013
16	2	9.313.016
19	2.5	9.313.018

PVC-high pressure-tubing, transparent, flexible, with armation, resistant to acids, chemical solutions, gases etc.

*Tuyau pour haute pression en PVC cristal et armé, résistant aux acides, solutions chimiques, gaz etc....*

Inner Ø Ø int. mm	Wall thickness Épaisseur mm	Order No. N° de code
4	3	9.314.001
5	3	9.314.002
6	3	9.314.003
8	3	9.314.004
9	3	9.314.015
10	3	9.314.016
16	4	9.314.018
19	4	9.314.019

## Polyethylene Tubing

*Tuyau souple en Polyéthylène*

Polyethylene-tubing, transparent, flexible, resistant to acids, alkalis, alcohol, salt solutions up to +40 °C, but not to benzene, kerosene and organic solutions

*Tuyau en polyéthylène souple, transparent et flexible, résistant aux acides, bases, alcools, solutions salées jusqu'à +40°C (excepté le benzène, le kérosène et les solutions organiques)*

Inner Ø Ø int. mm	Wall thickness Épaisseur mm	Order No. N° de code
4	1	9.315.001
6	1	9.315.002
7	1.5	9.315.003
8	1	9.315.004
10	2	9.315.005
12	2	9.315.006



Glass-clear PVC hose  
*PVC standard*

9.313.\*\*\*



Clear PVC pressure hose  
*PVC renforcé*

9.314.\*\*\*



9.315.\*\*\*



**Silicone Tubing**  
*Tuyau souple en Silicone*

**Silicone-tubing**, transparent, flexible, extremely resistant to heat, cold, and chemical attacks, qualify special ST 7450

*Tuyau en silicone transparent et flexible, haute résistance chimique et thermique, qualité spéciale ST 7450*



9.316.\*\*\*

Inner Ø Ø int. mm	Wall thickness Epaisseur mm	Order No. N° de code
1	1	9.316.001
2	0.3	9.316.002
2	1	9.316.003
3	0.4	9.316.004
3	1	9.316.005
4	1	9.316.006
4	1.5	9.316.007
5	1.5	9.316.008
6	1.5	9.316.009
6	2	9.316.010
7	1.5	9.316.011
8	2	9.316.012
10	2.5	9.316.013
12	2	9.316.014

**Teflon Tubing**  
*Tuyau souple en Téflon*

**Teflon-tubing**, natural colour, flexible. Temperature resistant from -200 °C to +275 °C, non-inflammable. Water absorbance max. 0.1 %. Resistant to aggressive media, even at high temperature

*Tuyau en téflon à couleur naturelle, flexible, Haute résistance thermique de -200°C à +275°C et chimique, non-inflammable. Absorbance max. en eau de 0.1%*



9.317.\*\*\*

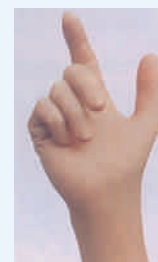
Inner Ø Ø int. mm	Wall thickness Epaisseur mm	Order No. N° de code
2	0.5	9.317.004
3	0.5	9.317.005
4	1	9.317.006
8	1	9.317.010



**Latex examination gloves**, soft latex gloves for biological, radioimmunological uses, autoclavable, excellent stretch, 400 mm length, ambidextrous and hyperallergic, powdered with cornstarch, 100 pieces per dispenser box

*Gants d'examen poudrés, en latex souple et autoclavable. Longueur 400 mm, livrés par 100 dans un carton de distribution*

Size Taille	Order No. N° de code
6/7	9.318.101
7/8	9.318.102
8/9	9.318.103



9.318.1\*\*

**Vynil examination gloves**, for laboratory and medical purpose, 100 pieces per dispenser box

*Gants d'examen en vynil, pour utilisation en laboratoire ou dans le médical, livrés par 100 dans un carton de distribution*

Size Taille	Order No. N° de code
6/7	9.318.201
7/8	9.318.202
8/9	9.318.203



9.318.2\*\*

**Needle holder acc. to Kolle**  
Length 210mm

*Porte-aiguille selon Kolle (manche de Pasteur)  
longueur totale 210 mm*

Description Description	Order No. N° de code
Needle holder, acc. to Kolle <i>Porte-aiguille selon Kolle</i>	9.318.300

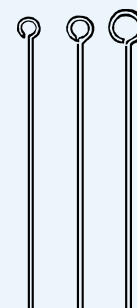


9.918.3\*\*

**Needles and Inoculating loops**

*Anses d'inoculation pour encadrement et  
aiguilles de dissection*

Type / Material Type, Matière	Loops Oeillet mm	Length Longueur mm	Order No. N° de code
Chrom brass	1.5	70	9.318.404
Chrom brass	2.5	70	9.318.405
Chrom brass	4	70	9.318.406
1.0 mm dia./Platinum	2	60	9.318.502
1.0 mm dia./Platinum	3	60	9.318.503
1.0 mm dia./Platinum	4	60	9.318.504
1.0 mm dia./Platinum	5	60	9.318.505
1.0 mm dia./Platinum	6	60	9.318.506
Needle, straight	-	50	9.318.601
Needle, bent	-	50	9.318.602



9.318.4\*\*

**Pipette sterilizing box**, stretchable, aluminum. 280-420 mm length. 60 mm Ø.  
For pipettes with different lengths

*Boîte de stérilisation en aluminium pour pipettes  
diverses, télescopique de 280-420 mm, Ø 60 mm*

Order No. N° de code
9.325.001



9.325.001

**Pipette sterilizing box**, 70 x 70 mm, bottom and lid covered with silicone-rubber, made of non-corrosive metal

*Boîte de stérilisation carrée en acier non corrosif  
pour pipettes diverses, dimensions 70 x 70mm.  
Couvercle et fond à revêtement de caoutchouc  
siliconé*

Length Longueur mm	Order No. N° de code
170	9.326.001
270	9.326.002
380	9.326.003
450	9.326.004



9.326.\*\*\*



9.328.\*\*\*

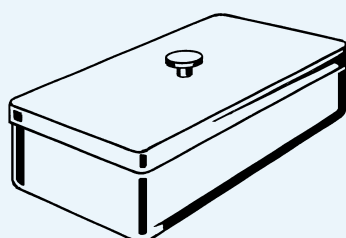
**Sterilizing and storage boxes**, aluminum. With overlapping cover for test tubes, centrifuge tubes, petri dishes, Pasteur pipettes, graduated pipettes, sterile instruments etc.

*Boîtes de stérilisation et de stockage en aluminium, pour tubes à essai, tubes à centrifuger, boîtes de petri, pipettes de Pasteur ou graduées, instruments etc...*

Height <i>Hauteur</i> mm	Outer Ø <i>Ø ext.</i> mm	Order No. <i>N° de code</i>
270	140	9.328.001
175	120	9.328.003
120	120	9.328.004

Accessories / *Accessoires*

Petri dish holder with handle for 10 - 12 petri dishes 80 - 120 mm Ø, suitable for Order No. 9.328.001 <i>Portoir avec anse pour 10 à 12 boîtes de petri de dia. 80 à 120 mm, recommandé pour l'article No. 9.328.001</i>	9.328.101
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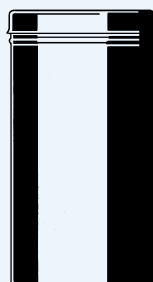


9.329.\*\*\*

**Instrument trays**, made of stainless steel, with overlapping knobcover, tarn

*Boîtes à instruments rectangulaires, en acier inoxydable, avec couvercle à bouton*

Dimension <i>Dimension</i> mm	Height <i>Hauteur</i> mm	Order No. <i>N° de code</i>
200 x 100	50	9.329.002
220 x 150	50	9.329.003
260 x 150	50	9.329.004
305 x 205	50	9.329.005



9.330.\*\*\*

**Instrument jars**, made of stainless steel, with base

*Boîtes à instrument circulaires, en acier inoxydable*

Outer Ø <i>Ø ext</i> mm	Height <i>Hauteur</i> mm	Order No. <i>N° de code</i>
50	120	9.330.003
100	150	9.330.007
100	200	9.330.008



9.331.\*\*\*

**Dewar vessels in metal jacket**, tubular form, flask made of borosilicate glass, silvered and evacuated. Jacket stove-enamelled, offering excellent protection

*Vases de Dewar en verre borosilicaté à manteau métallique de protection*

Capacity <i>Capacité</i> ml	Inner Ø <i>Ø int.</i> mm	Height <i>Hauteur</i> mm	Weight <i>Poids</i> kg	Order No. <i>N° de code</i>
300	47	190	0.5	9.331.001
500	57	210	0.8	9.331.002
800	67	240	1.0	9.331.003
1000	77	235	1.1	9.331.004
1500	100	240	1.4	9.331.005
2000	100	290	1.8	9.331.006
3000	138	240	2.3	9.331.007



9.333.\*\*\*\*\*

**Dewar vessels in metal jacket**, having insulated clamp-on lid and carrying handle, flask made of borosilicate glass, silvered and evacuated. Jacket stove-enamelled

*Vases de Dewar en verre borosilicaté à manteau métallique de protection, livré avec couvercle et poignée*

Capacity <i>Capacité</i> ml	Inner Ø <i>Ø int.</i> mm	Height <i>Hauteur</i> mm	Weight <i>Poids</i> kg	Order No. <i>N° de code</i>
1000	100	165	1.5	9.333.001
2000	138	170	2.0	9.333.002
3000	138	230	2.5	9.333.003
4000	138	310	3.0	9.333.004





**Brushes.** For all laboratory purposes. With wooden handle or bristle on twisted wire.

*Gouillons pour laboratoire, avec manche en bois ou à fil d'acier torsadé*

For <i>Pour</i>	Ø <i>Ø</i> mm	Order No. <i>N° de code</i>
Pipettes, Pipe cleaners <i>Pour nettoyage des pipettes</i>	5	9.335.001
Injection <i>Pour injecteur</i>	10	9.335.002
Test tubes, wool tip <i>Pour tube à essai, avec embout</i>	15	9.335.003
Test tubes, wool tip <i>Pour tube à essai, avec embout</i>	30	9.335.004
Flasks and bottles <i>Pour fiole et flacon</i>	45	9.335.005
Flasks and bottles <i>Pour fiole et flacon</i>	60	9.335.006
Beakers, wooden handle <i>Pour bécher, avec manche en bois</i>	60	9.335.007
Beakers, wooden handle <i>Pour bécher, avec manche en bois</i>	75	9.335.008
Beakers, wooden handle <i>Pour bécher, avec manche en bois</i>	90	9.335.009
Burettes, 1m long <i>Pour burette, longueur 1 m</i>	30	9.335.010
Sieves <i>Pour tamis</i>	65	9.335.011

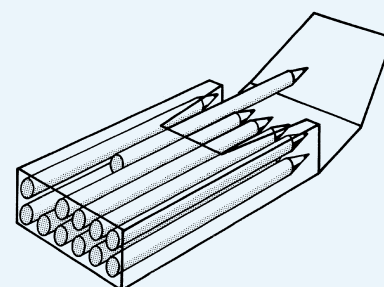


9.335.\*\*\*

**Glass marking pencils,** for writing on or marking glass, lead-cased. Temperature resistant up to +250 °C. Packed of 1 dozen

*Crayons pour écrire ou marquer sur le verre. Résistant à la température jusqu'à 250°C. En paquet de 12*

Colour <i>Couleur</i>	Order No. <i>N° de code</i>
Yellow	9.336.001
Red	9.336.002
Blue	9.336.003
Green	9.336.004
White	9.336.005
Black	9.336.006
Brown	9.336.007



9.336.\*\*\*

**Blood lancets,** stainless steel. Disposable, single sterile packed. 1000 pcs. in carton

*Lancettes sanguines stériles, en acier inoxydable à usage unique, emballage individuel, conditionnement de 1000*

Order No. <i>N° de code</i>
9.900.000

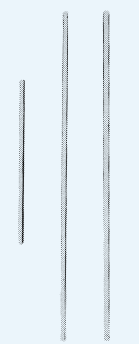


9.900.0\*\*

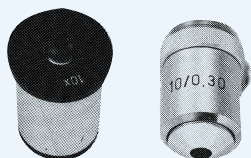
**Stirring rods,** made of glass, ends melted

*Tiges d'agitation en verre, à bouts rebrûlés*

Length <i>Longueur</i> mm	Order No. <i>N° de code</i>
100 x 3	9.900.101
200 x 3	9.900.103
200 x 4	9.900.104
200 x 6	9.900.106
300 x 6	9.900.107
300 x 8	9.900.108



9.900.1\*\*

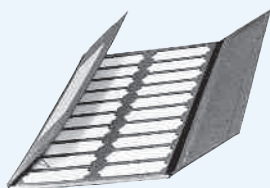


9.900.2\*\*

### Eyepieces, acc. to Huygens

*Oculaires de Huygens pour microscope*

Magnification	Order No. N° de code
5 x	9.900.205
10 x	9.900.210
15 x	9.900.215



9.900.6\*\*

### Folder for micro slides, made of strong cardboard

*Classeur de rangement pour lames microscopiques, en carton fort*

Type	Order No. N° de code
For 2 micro slides <i>Pour 2 lames</i>	9.900.602
For 3 micro slides <i>Pour 3 lames</i>	9.900.603
For 5 micro slides <i>Pour 5 lames</i>	9.900.605
For 20 micro slides <i>Pour 20 lames</i>	9.900.620



9.900.7\*\*

### Storage- and dispatch boxes for slides, plastic, transparent, for micro slides with lid

*Boîtes de rangement et pochettes d'envoi pour lames microscopiques, en plastique transparent avec couvercle*

Type	Order No. N° de code
For 1 micro slides <i>Pour 1 lame</i>	9.900.701
For 2 micro slides <i>Pour 2 lames</i>	9.900.702
For 5 micro slides <i>Pour 5 lames</i>	9.900.705



9.900.8\*\*

### Dropping pipettes (eye droppers), made of glass

*Pipettes compte-gouttes, en verre*

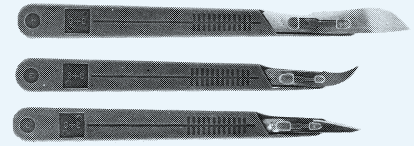
Description	Ø x length Ø x Longueur mm	Order No. N° de code
Without bulb <i>sans boule</i>	7/8 x 80	9.900.801
With rubber teat <i>avec têtine</i>	–	9.900.802
With bulb <i>avec boule</i>	7/8 x 80	9.900.803
With rubber teat <i>avec têtine</i>	–	9.900.804



**Disposable scalpels**, single sterile packed  
(10 pcs. per bag, 100 pcs. per standard box)

*Bistouris à usage unique, emballage individuel  
stérile (10 par sachet, 100 en conditionnement  
standard)*

Type	Order No.
Type	N° de code
No. 10	9.901.010
No. 11	9.901.011
No. 15	9.901.015
No. 20	9.901.020
No. 21	9.901.021
No. 22	9.901.022
No. 23	9.901.023
No. 24	9.901.024



9.901.0\*\*

**Scalpel handles**, made of stainless steel for  
interchangeable blades

*Manches de bistouri, en acier inoxydable pour  
lames interchangeables*

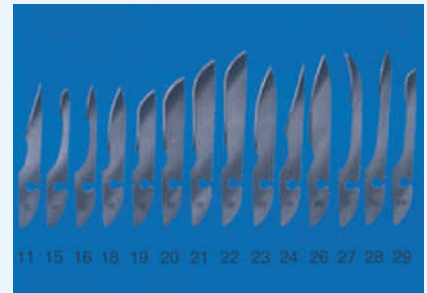
Type	Order No.
Type	N° de code
No. 3	9.901.103
No. 4	9.901.104



**Blades**, for scalpel handle with Order No.  
9.901.103 and 9.901.104, pack of 100 pcs.

*Lames de bistouri, pour N° de code  
9.901.103 et 9.901.104, en paquet de 100 pcs.*

Type	Order No.
Type	N° de code
No. 10	9.901.210
No. 11	9.901.211
No. 15	9.901.215
No. 20	9.901.220
No. 21	9.901.221
No. 22	9.901.222
No. 23	9.901.223
No. 24	9.901.224



**Witeg WiseShake® SHO - Digital Orbital Shaker**  
**With Programmable Digital Feedback Control System**  
**10 - 300 rpm, CE-Certificate**