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Астрахань (8512)99-46-04  
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## ОБРУДОВАНИЕ ДЛЯ РАБОТЫ С ЖИДКОСТЯМИ



### ДОЗАТОРЫ НА БУТЫЛКУ, СЕРТИФИКАТ ISO 9001

#### DESCRIPTION

Dosipet is a series of dispensers for bottles with adjustable volume. They are made of high-quality materials to guarantee considerable mechanical and chemical resistance. They are available in three versions depending on the reagents to be dosed. Possibility to choose between:

#### DOSIPET B

For universal use; Ideal for use with medium aggressiveness reagents.

#### DOSIPET S

Useful for dosing concentrated acids, polar and non-polar solvents.

#### DOSIPET HF

Specially developed for dosing hydrofluoric acid. They are supplied with tubes for filling and emptying, as well as a set of adapters: for 2.5/5 and 10 ml Dosipet adapters A25, A28, A45, A40; for 25/50 and 100 ml Dosipet adapters A28, A32/45, A40. Technical specifications common to the three series:

- precise and fast volume adjustment with analog slider
- precise graduated scale to ensure reproducibility of dispensed volumes
- no loss of reagent when removing air or filling
- dosing without bubble formation

- the piston completely transfers the liquid with each movement
- total recovery of the liquid in the discharge tube when turning the outlet tip 180°
- autoclavable at +121 °C for 20 minutes

Alkali	Inorganic Solutions	Acids	Organic Solvents Polar	Organic Solvents Non-polar	Hydrofluoric Acid (HF)
Dosipet B	Dosipet B	Dosipet S	Dosipet S	Dosipet S	Dosipet HF



## DOSAGE B

### DESCRIPTION

Series that can be used with all types of aqueous solutions (except those containing hydrofluoric acid), characterized by a high degree of comfort and reliability. It has a 3.3 borosilicate glass cylinder and PTFE piston.

### Solvent Compatibility

alkali	Inorganic Solutions	Acids	Organic Solvents Polar
Yes	Yes	And it is	-

Art.	Mod.	Chap. ml	Subdiv. ml	Toll. ml	HP ml	GL threaded
8300 2	dose 2	0.25 - 2.5	0.05	±0.012	0.002	32/33
8300 5	dose 5	0.5 - 5.0	0.10	±0.03	0.005	32/33
8301 0	dose 10	1.0 - 10.0	0.20	±0.06	0.010	32/33
8302 5	dose 25	2.5 - 25.0	0.50	±0.15	0.025	Four. Five

Art.	Mod.	Chap. ml	Subdiv. ml	Toll. ml	HP ml	GL threaded
83050	dose 50	5.0 - 50.0	1.00	±0.30	0.050	Four. Five
83060	dose 100	10.0 - 100.0	2.00	±0.60	0.100	Four. Five



## DOSAGE S

### DESCRIPTION

High-quality components and assembly make this series the ideal choice for dispensing polar and non-polar organic solvents (see technical manual), such as halogenated solvents, and concentrated mineral acids, including particularly volatile acids such as nitric acid and trifluoroacetic. Additionally, they can be used with peroxides, hydrochloric acid, and sulfuric acid. They are provided with a borosilicate glass piston. The reagents come into contact only with the PTFE parts.

### Solvent Compatibility

Alkali	Inorganic Solutions	Acids	Organic Solvents Polar
Yes	Yes	Yes	Yes

Art.	Against.	Cap. ml	Subdiv. ml	Toll. ml	In Jr	GL threaded
83070	Dosipet S-10	1.0 - 10.0	0.20	±0.06	0.010	32
83071	Dosipet S-25	2.5 - 25.0	0.50	±0.15	0.025	45
83072	Dosipet S-50	5.0 - 50.0	1.00	±0.30	0.050	45



## DOSAGE HF

### DESCRIPTION

These dispensers have been designed specifically for use with hydrofluoric acid solutions. The internal components that come into contact with these solutions have been produced with high quality and high resistance materials (PTFE and platinum-iridium), totally inert to hydrofluoric acid. They have a PTFE piston.

### Solvent Compatibility

alkali	Inorganic Solutions	Acids	Organic Solvents Polar	Organic Solvents Non-Polar	Hydrofluoric Acid (HF)
And it is	And it is	And it is	And it is	And it is	Yes

Art.	Mod.	Chap. ml	Subdiv. ml	Prec.ml	V ml	GL threaded
83080	Dosipet HF-10	1.0 - 10.0	0.20	±0.06	0.010	32
83081	Dosipet HF-25	2.5 - 25.0	0.50	±0.15	0.025	Four. Five



## DOSIPET - DOSILAB ACCESSORIES

Art.	Description
83027	250 ml amber bottle (GL32) - Dosipet - Dosilab
83028	500 ml amber bottle (GL32) - Dosipet - Dosilab
83011	1000 ml amber bottle (GL45) - Dosipet - Dosilab

Art.	Description
83012	2500 ml amber bottle (GL45) - Dosipet - Dosilab
83014	Dosipet suction tube 2.5-10 ml
83015	Dosipet suction tube 25-100 ml
83017	Discharge tube of (FEP) Dosipet 2.5-10 ml
83018	Discharge tube of (FEP) Dosipet 25-100 ml
83020	Dosipet circulation tube 2.5-100 ml
83023	Set of 5 adapters A25, A28, A38, A40, A45 - Dosipet
83024	Tube for calcium chloride - Dosipet
83026	Glass non-return valve for use in controlled atmosphere - Dosipet
83029	PTFE spiral tube for remote dosing Dosipet; 2.5-10 ml / Int. $\varnothing$ 2mm / Ext. $\varnothing$ 3mm
83030	PTFE spiral tube for remote dosing Dosipet; 25-100 ml / Int. $\varnothing$ 3.4mm / Ext. $\varnothing$ 4.3mm



## DOSILAB

### DESCRIPTION

Dosilab is a new series of adjustable volume dispensers that allows chemical substances to be dosed with precision, accuracy and at a low cost. It is totally safe for the operators and the environment. The six models of the new line are easy to use and to disassemble to carry out the usual cleaning and maintenance tasks; autoclavable without the need to disassemble. Volume adjustment is precise and fast with the analog slider. A careful selection of raw materials, as well as several quality controls carried out during the production process, guarantee the high precision and accuracy of Dosilab. Each of the devices is individually calibrated according to ISO 8655 standards and is supplied with its own calibration certificate.

### TECHNICAL SPECIFICATIONS

- Fully autoclavable at +121 °C without the need for disassembly

- PTFE piston with silicone O-ring to ensure a high degree of precision
- Internal cylinder made of borosilicate glass protected with a PP lining.
- Valve housing: one-piece PTFE body to ensure high chemical resistance
- Accuracy and reproducibility: according to ISO 865 standards
- Compatibility: excellent with all reagents, including organic solvents and concentrated acids, except hydrofluoric acid (HF)
- Recalibration: simple and fast with the special accessory

Comparison of the specifications required by the ISO 8655 standards and the DOSILab specifications The following table certifies that the DOSILab specifications fully meet the requirements of the ISO 8655 standard, international standard for volumetric applications controlled with a piston.

All internal components that are in contact with liquid solutions during use are made of PTFE, FEP and borosilicate glass. Therefore, they offer excellent compatibility with all reagents, including organic solvents and concentrated acids, except hydrofluoric acid.

<b>Solvent Compatibility</b>					
alkali	Inorganic Solutions	Acids	Organic Solvents Polar	Organic Solvents Non-polar	Hydrofluoric Acid (HF)
Yes	Yes	Yes	Yes	Yes	-

<b>Mod.</b>	<b>ISO 8655</b>	<b>ISO 8655</b>	<b>ISO 8655</b>	<b>ISO 865 5</b>	<b>DOSI LAB</b>	<b>DOSIL AB</b>	<b>DOSIL AB</b>	<b>DOSILAB</b>
	Acc +/- %	Acc +/- %ml	CV +/- %	CV +/- % mL	+/- %	+/- % mL	+/- %	+/- % mL
Dosilab 2	0.6	0.15	0.2	0.01	0.6	0.02	0.2	0.01
Dosilab 5	0.6	0.03	0.2	0.01	0.5	0.03	0.1	0.01
Dosilab 10	0.6	0.06	0.2	0.02	0.5	0.05	0.1	0.01
Dosilab 30	0.6	0.18	0.2	0.06	0.5	0.15	0.1	0.03
Dosilab 60	0.6	0.36	0.2	0.12	0.5	0.3	0.1	0.06
Dosilab 100	0.6	0.6	0.2	0.2	0.5	0.5	0.1	0.1

<b>Art.</b>	<b>Mod.</b>	<b>vol ml</b>	<b>Incr. ml</b>	<b>Prec.ml</b>	<b>HP ml</b>	<b>Thread GL</b>
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Art.	Mod.	vol ml	Incr. ml	Prec.ml	HP ml	Thread GL
83082	Dosilab 2	0.2 - 2.5	0.05	0.02	0.01	30
83083	Dosilab 5	0.5 - 5	0.1	0.03	0.01	30
83084	Dosilab 10	1 – 10	0.2	0.05	0.01	30
83085	Dosilab 30	2.5 – 30	0.5	0.15	0.03	30
83086	Dosilab 60	5 – 60	1	0.3	0.06	30
83087	Dosilab 100	10 – 100	two	0.5	0.1	30



## TECHNOTRATE DIGITAL BURETTE

### DESCRIPTION

Technorate is a digital burette ideal for performing titrations directly from vials, both in the laboratory and in the field. It has been developed in accordance with EN ISO 9001. It has a plastic body and a large liquid crystal display that allows continuous viewing of the dosed volume. It allows dose volumes up to 50 ml in 0.01 ml increments, and the rate of dosing can be selected between rapid mode or dropwise mode. Technorate can store up to 1,000 user-entered dose and titration values, which can be downloaded to PCs or printers with the specially provided interface.

#### simple calibration

Permanent calibration refers to water at +20 °C. In any case, when liquids with a different viscosity/density are used, Technorate can be easily and quickly recalibrated by pressing the dedicated button.

#### Practical and fast preselection of titration volumes

The pre-selection of the titration volume is particularly easy, just press the dedicated “DOS” button, watch the display and simply turn the handle of the buret barrel a few turns to fill it. The special memory (“MEM”) button is useful to avoid having to perform complex calculations.

#### Simplicity and security

When rotated 180°, the outlet tip causes all the liquid in the spout to flow into the bottle and prevents spillage of unsuitable liquids. The components that come into contact with the

reagents are made of highly resistant plastic. Technotrate burettes are individually tested at the end of the production cycle, have a quality certification and an individual serial number. Supplied in series with A25, A28, A32/45 and S45 threaded adapters and PTFE suction, discharge and recirculation tubes

#### TECHNICAL SPECIFICATIONS:

- Automatic shutdown function after 3 minutes of non-use
- Use temperature from +10 °C to +40 °C
- Temperature during transport and storage not higher than +60 °C
- Rechargeable battery: the flashing indicator on the screen informs of the need to recharge it without affecting the titration in progress
- Precision mechanism for simple filling and deairing without reagent loss issues
- Bubble-free dosing
- Battery charger: 100-240V/ 50- 60Hz



#### ACCESSORIES FOR TECHNORATE



#### VARIABLE VOLUME AUTOCLAVABLE MICROPIPETTES – PLURIPET



#### FIXED VOLUME AUTOCLAVABLE MICROPIPETTES – FIXOPET





**SPARE PARTS KIT\* AND HOLDERS FOR SINGLE CHANNEL MICROPIPETTES**



**VARIABLE VOLUME MULTICHANNEL MICROPIPETTES – MULTIPET**



**FIXED VOLUME AUTOCLAVABLE MICROPIPETTES – LABOFIX**



**VARIABLE VOLUME AUTOCLAVABLE MICROPIPETTES – PLURIPET II**



**MINIFIX**



**НАСАДКА НА ПИПЕТКИ “SEROPET”**



**LABOFILL - PIPETTE FILLING DEVICE**

A new pipette filling device will complete the Kartell product range of the liquid handling line. This instrument is used to fill and dose liquid in plastic or glass, volumetric and graduated pipettes up to 100 ml. LaboFill offers a safe, effective and economical alternative to pipetting. Thanks to its design this instrument is also comfortable and easy to use. LaboFill is individually tested after the production process and calibrated according to ISO 8655.

**TECHNICAL SPECIFICATIONS:**

- Red and Green LED: Red light indicates low battery level; green indicates charging status.
- Continuous adjustment of the speed of the pump by means of a wheel on the back of the instrument.
- High aspiration and output speed: 25 ml in 5 seconds.
- The silicone clamp assembly allows to accommodate any type of universal pipette from 1 ml to 100 ml. The internal burnishing of the forceps facilitates firm clamping even with wet pipettes.
- Comfortable grip that guarantees greater control of the instrument and prevents fatigue.
- 0.2  $\mu$ m PTFE hydrophobic filter in the clamp assembly to prevent the formation of aerosols and the ingress of liquids into the body of the instrument.

• Ni-MH 3.6 rechargeable battery supplied with the instrument, which guarantees cable-free operation for up to 8 hours after recharging.

• Full battery charge in 5 hours.

• Adapter compatible with 220V and 110V.

Art.	Descr.	spare parts
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1297.10

LaboFill

Volume 1ml - 100ml

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