

MACHINE OPTIONALS



**PAD**

Booster pump for non-pressurised demineralised water. Allows feeding the machine with demineralised water drawn from a non-pressurised tank positioned at a minimum height of 85 cm from the ground.



**PAD 2**

Booster pump for non-pressurised demineralised water. Allows feeding the machine with demineralised water drawn from a non-pressurised tank positioned on the ground.



**AD9**

Additional peristaltic pump for feeding liquid additives (defoaming agents, disinfectants, inhibitors, caustic soda) complete with level sensor. The quantity of additive delivered by the pump is controlled directly by the machine microprocessor.

Versions available: **AD10/AD11/AD12**



**WD-VDS**

Double discharge valve that allows separating and ducting the polluted wastewater from the first washing cycles from the final rinsing water.

This wastewater separation device is composed of 1 and 1/2" valves with Viton membrane and valve opening is controlled by the machine microprocessor.



**CP3050**

External can or demineraliser cabinet. It can be installed next to the GW3060 glassware washer to house the cans of detergent or WP3000 demineralisation columns.

### STAINLESS STEEL BASES AND FRAMES



#### **B9040**

Base for 90 cm wide models only. The frame allows bringing the machine loading level up to an ergonomic height approximately 70 cm from the ground. Entirely made of stainless steel. A detergent compartment with anti-drip bottom and front door with push-pull opening is integrated in the base.

Dimensions l x d x h = 900x530x400 mm

**B6040** (not shown in the photo): for 60 cm wide models only.

Dimensions l x d x h = 600x530x400 mm



#### **B9040QWC**

Base with integrated demineralised water boiler. For 90 cm wide models only. A boiler is housed in the base to preheat the demineralised water used by the instrument washer.

Dimensions: l x d x h = 900x530x400 mm



#### **T9040**

Frame for 90 cm wide models only. The frame allows bringing the machine loading level up to an ergonomic height approximately 70 cm from the ground. The frame also facilitates cleaning the machine underneath. Entirely made of stainless steel.

Dimensions l x d x h = 900x530x400 mm

**T6040** (not shown in the photo): frame for 60cm models only.

Dimensions l x p x h = 600x530x400 cm

### TRACEABILITY OPTIONS



#### **WD-PRINT**

External 24-character impact matrix printer with real-time clock function. Complete with thermal paper roll.

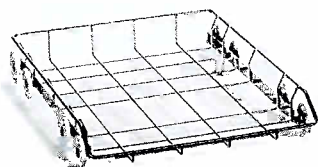
**WD-PAPER** Thermal paper roll. Diameter 50 mm, width 57 mm.

## BASIC TROLLEYS



### CS1-1

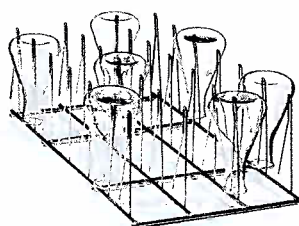
Upper trolley with sprayer.  
Suitable for positioning stainless steel baskets and supports.



### CS2

Basic lower trolley.  
Suitable for positioning stainless steel baskets and supports.

## FLASK AND BEAKER SUPPORTS

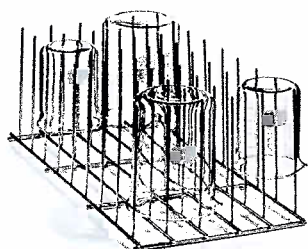


### SB15

16-position spring support to position flasks, beakers, etc. and to be used together with the standard baskets CS1-1 and CS2 and the trolley LM20. It has a capacity of 16 items and is made of stainless steel. Recommended for flasks with a capacity of up to 1000 ml.

**SB28** (not shown in the photo): 28-position spring support to hold flasks, beakers etc. and to be used with the standard baskets CS1-1 and CS2 and the trolley LM20.

It has a capacity of 28 items and is made of stainless steel. Recommended for flasks with a capacity of up to 1000 ml.



### SB30

30-position support to hold beakers of any size and to be used with the standard baskets CS1-1 and CS2 and the trolley LM20. It has a capacity of 30 items and is made of stainless steel.

Recommended for beakers with a capacity smaller than 500 ml.

**SB25** (not shown in the photo): 28-position spring support to hold flasks and beakers and to be used with the standard baskets CS1-1 and CS2. It has a capacity of 28 items and is made of stainless steel.

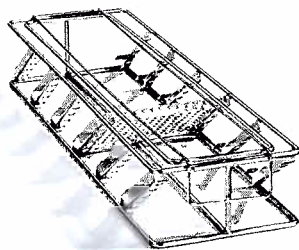
Recommended for flasks with a capacity smaller than 500 ml.

PLATE AND SLIDE SUPPORTS



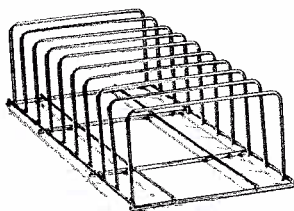
**PV105**

Microscope slide basket made of stainless steel. Suitable for positioning 105 standard microscope slides. Dimensions l x d x h = 220x143x60 mm.



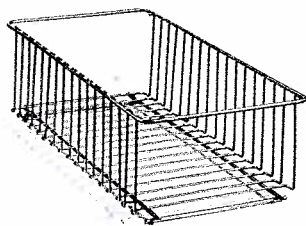
**SL6**

Olympus-type plate support for optical recognition of the blood unit. Suitable for positioning 6 plates. Hinged lid included. Dimensions l x d x h = 485x145x80 mm.



**SL9**

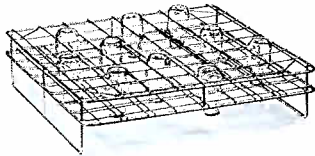
Universal support for chromatographic plates made of stainless steel. Capacity of 9 items. Suitable for positioning flat materials. It takes up 1/2 the space of a standard basket.



**SL18**

Support for standard 20x20 chromatographic plates. Capacity of 18 items. The guides are shaped in such a way that the support points are outside the working surface.

## BOTTLE SUPPORTS



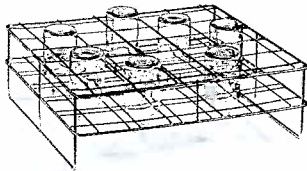
### PB50

Support for 56 wide-necked bottles of 50 ml (screw cap GL32 ISO4796 or ground cap DIN 12038 or non-standard cap).

Max bottle dimensions: diam. 46 mm - H 87 mm.

**PB100** for 32 wide-necked bottles of 100 ml.

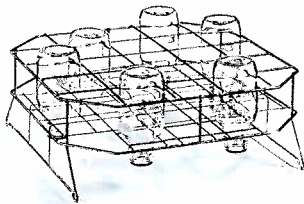
(screw cap GL45 ISO4796 or ground cap DIN 12038 or non-standard cap). Max bottle dimensions: diam. 56 mm - H 100 mm.



### PB250

Support for 24 wide-necked bottles of 250 ml.

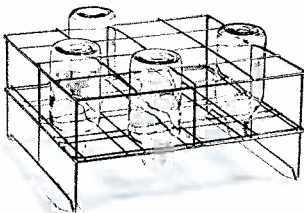
(screw cap GL45 ISO4796 or ground cap DIN 12038 or non-standard cap). Max bottle dimensions: diam. 70 mm - H 138 mm.



### PB500

Support for 21 wide-necked bottles of 500 ml.

(screw cap GL45 ISO4796 or ground cap DIN 12038 or non-standard cap). Max bottle dimensions: diam. 86 mm - H 176 mm.



### PB1000

Support for 16 wide-necked bottles of 1000 ml.

(screw cap GL45 ISO4796 or ground cap DIN 12038 or non-standard cap). Max bottle dimensions: diam. 101 mm - H 225 mm.

## TEST TUBE SUPPORTS



Additional accessory for the standard baskets CS1-1 and CS2 and the trolley LM20 for washing analysis test tubes. It has a capacity of approximately 160 standard test tubes with 3 removable compartments and lid. It takes up a  $\frac{1}{4}$  of the space of a standard basket and is available in four standard sizes:

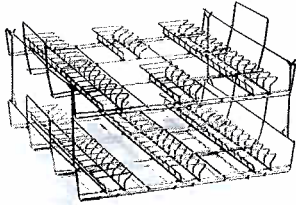
**CP105:** test tubes up to 75 mm in height

**CP132:** test tubes up to 105 mm in height

**CP192:** test tubes up to 165 mm in height

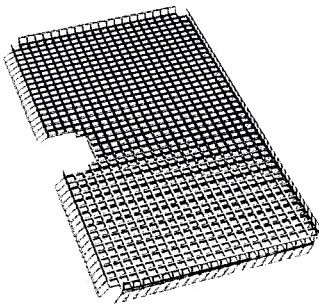
**CP222:** test tubes up to 200 mm in height

**PETRI DISH SUPPORTS**



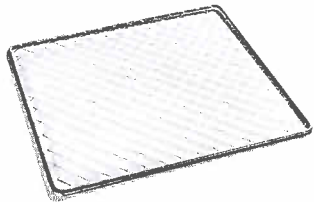
- PD70S** - 40 items, 50-70 mm positioned on the upper level CS1-1.
- PD100S** - 38 items, 70-120 mm positioned on the upper level CS1-1.
- PD70I** - 40 items, 50-70 mm positioned on the upper level CS2.
- PD100I** - 38 items, 70-120 mm positioned on the upper level CS2.

**BOTTOM RACKS FOR SMALL GLASSWARE,  
BASKETS AND HOLDING NETS**



**PF1/2**

Additional accessory for the baskets CS1-1 and CS2 in flat AISI 304 stainless steel mesh with small mesh openings as rack to hold small glass items or as rigid rack as an alternative to the Nylon holding nets. Available in 3 versions: PF1 (not shown in the photo) bottom rack with hole for positioning on the top level; PF2 (not shown in the photo) complete bottom rack for positioning on the bottom level only; PF1/2 (shown in the photo) half bottom rack for positioning on the top level only.



**RC1**

Holding nets with plastic-coated metal edges and Nylon ties to hold small glass items in place in the standard baskets CS1-1 and CS2; available in three models: RC1 fits in the whole basket, RC1/2 fits in half the basket, RC1/4 fits in a quarter of the basket.



**RC1/2 - RC1/4**

Holding nets with plastic-coated metal edges and Nylon ties to hold small glass items in place in the standard baskets CS1-1 and CS2; available in three models: RC1 fits in the whole basket, RC1/2 fits in half the basket, RC1/4 fits in a quarter of the basket.

**BASKETS**



**CPF1**

Complete bottom level basket with edging and handles. Made of flat stainless steel mesh with mesh openings of 10x10 mm. Dimensions l x d x h = 445x444x68 mm (height with handles 110 mm). Positioning on the lower trolley CS2.

**CPF1/2** (not shown in the photo): bottom level basket with edging and handles. Made of flat stainless steel mesh with mesh openings of 10x10 mm.

Dimensions l x d x h = 225x444x68 mm (height with handles 110 mm). It takes up 1/2 the space of the lower trolley CS2.



**CSK2**

Baskets with stainless steel handles, suitable for medium-sized instruments.

Mesh openings of 5x5 mm.

Dimensions l x d x h = 450x225x50 mm.

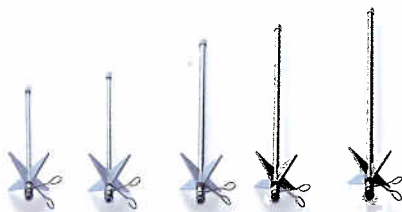
**SPIGOTS**



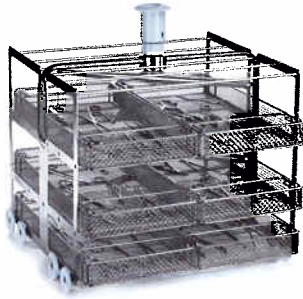
**ULB40**

Injection trolley spigots available in the following versions:

- spigot for 6% and 12% butyrometers
- Nylon spigot for pipettes
- Spigots for glassware with the following heights: 90, 110, 140, 160, 180, 220, 240, 260 mm.



## SPECIAL TROLLEYS



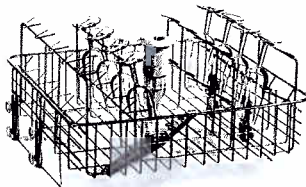
### CSK6L

Trolley with 3 washing levels. Made of stainless steel and suitable for positioning specific supports and baskets. Upper levels with spraying arm incorporated. Lower level with sprayer at the bottom of the machine. Typical capacity: 6 baskets model CSK2.



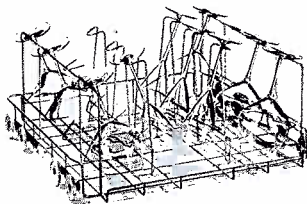
### CSK-C

Stainless steel trolley with 3 washing levels for butchery utensils available on request, suitable for positioning three **SCL-23** knife and utensil holders. Upper levels with spraying arm incorporated. Lower level with sprayer at the bottom of the machine.



### CPB1

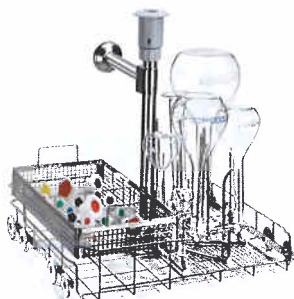
Stainless steel upper trolley for wine-tasting glasses. Suitable for washing 14 wine-tasting glasses of max. 220 mm in height.



### CPB2

Stainless steel lower trolley for wine-tasting glasses. Suitable for washing 14 wine-tasting glasses of max. 240 mm in height.

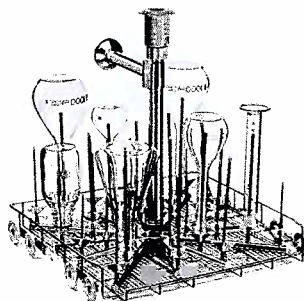
## INJECTION TROLLEYS NARROW-NECKED GLASSWARE



### LM20DS

20-position universal flask washing trolley in stainless steel with 20 spigots and drying system connection. Suitable for washing and drying narrow-necked glassware up to 490 mm in height. Half the trolley space is free for mixed glassware suitable for a ½ basket accessory. Positioning on the lower level.

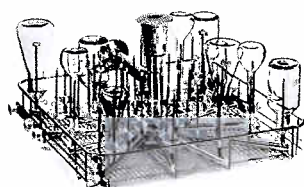
**LM20** (not shown in the photo): version without drying system connection.



### LM40DS

40-position universal flask washing trolley in stainless steel with 40 spigots and drying system connection. Suitable for washing and drying narrow-necked glassware up to 490 mm in height, flasks, round-bottom flasks and graduated cylinders of various sizes. Positioning on the lower level.

**LM40** (not shown in the photo): version without drying system connection.



### LM40SDS

40-position flask washing trolley in stainless steel with forty U4140 spigots and drying system connection. Suitable for washing narrow-necked glassware up to 225 mm in height. Positioning on the upper level.

**LM40S** (not shown in the photo): version without drying system connection.

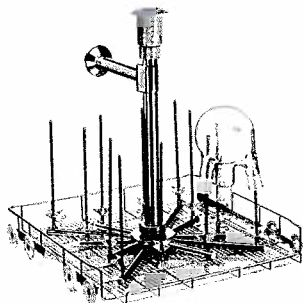


### LM80DS

Two-level flask washing trolley with 68 U4140 spigots and 1 UC6 spigot and drying system connection. Suitable for internal injection washing of narrow-necked glassware with a maximum height of 225 mm. Positioning on two levels.

**LM80** (not shown in the photo): version without drying system connection.

## REACTOR WASHING

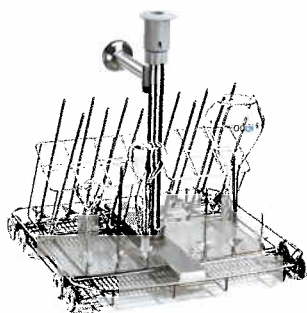


### LR4DS

Stainless steel trolley with drying system connection. Suitable for inside washing and drying of 3/5-way reactors of maximum 3 litres or up to 12 narrow-necked glass items. Fitted with 20 U6260 spigots. Positioning on the lower level.

**LR4** (not shown in the photo): version without drying system connection.

## FISCHER BOTTLE WASHING

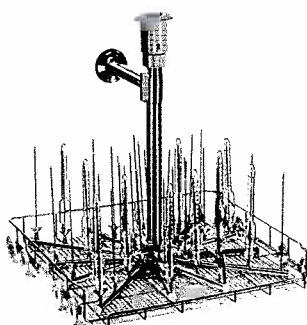


### LT20DS

Stainless steel trolley with drying system connection for washing and drying of 12 Fischer bottles and graduated cylinders with a maximum height of 55 cm. 6 positions for injection washing of narrow-necked glassware. Fitted with 18 spigots. Positioning on the lower level.

**LT20** (not shown in the photo): version without drying system connection.

## BUTYROMETER WASHING



### LB40DS

Stainless steel trolley for butyrometer washing with drying system connection. Suitable for washing and drying of 40 butyrometers. Specify the type of butyrometer in the order. Positioning on the upper level.

**LB40** (not shown in the photo): version without drying system connection.

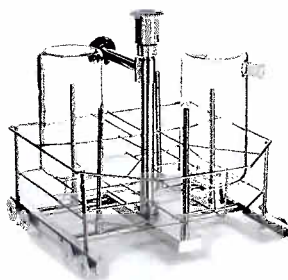
## BOTTLE WASHING



### LB4DS

Stainless steel trolley for washing large glass items with drying system connection. Suitable for washing two 10-litre bottles + two 5-litre Schott-type bottles. Fitted with 8 special spigots. Positioning on the lower level.

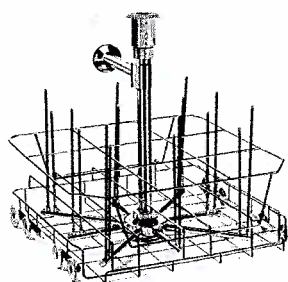
**LB4** (not shown in the photo): version without drying system connection.



### LBT5DS

Stainless steel trolley for bottle washing with drying system connection. Suitable for washing and drying of five 5-litre bottles (diam. 180 x h.500mm, max neck diameter 80 mm). Fitted with 5 special spigots. Positioning on the lower level.

**LBT5** (not shown in the photo). Version without drying system connection: LBT5.



### LB8DS

Stainless steel trolley for washing large glass items with drying system connection. Suitable for washing 8 bottles of maximum 50 cm in height. Fitted with 8 U6260 spigots and 8 special spigots. Positioning on the lower level.

**LB8** (not shown in the photo): version without drying system connection.



### LB32DS

Two-level stainless steel trolley for injection washing of bottles with drying system connection. Suitable for washing 32 narrow- or wide-necked bottles of 250-1000 ml, max. diam. 101 mm, H.245 mm. Fitted with 32 U6170 spigots. Positioning on 2 levels.

**LB32** (not shown in the photo): version without drying system connection.

## PIPETTE WASHING



### LPV40DS

Stainless steel trolley for washing volumetric pipettes up to 55 cm in length. 20 positions for pipettes of 55 cm in height and 20 positions for pipettes and/or flasks of 45-49 cm in height.

**LPV40** (not shown in the photo): version without drying system connection.



### LPT100DS

Stainless steel pipette washing trolley with drying system connection for washing and drying of 100 pipettes with a capacity of 1 to 20 ml and a height up to 450 mm. The pipette washing disc is fitted in a trolley to allow fast loading and unloading access.

**LPT100** (not shown in the photo): version without drying system connection.

## VIALS AND TAPERED CENTRIFUGE TEST TUBES



### KP100DS

Trolley with drying system connection for washing of tapered and cylindrical test tubes by internal injection. It has a maximum capacity of 100 test tubes. Positioning on the upper washing level.

**KP100** (not shown in the photo): version without drying system connection.

## MIXED INJECTION TROLLEYS (PIPETTES + NARROW NECK)



### LPM2010DS

20-position stainless steel trolley with drying system connection for mixed washing of flasks, pipettes and test tubes. Suitable for washing and drying of 10 pipettes up to 55 cm + 20 narrow-necked glass items + ¼ free space to be filled with a CP series test tube basket. Fitted with the following spigots: 2 x U6260, 2 x U6240, 2 x U6220, 3 x U4180, 2 x U4160, 2 x U4140, 3 x U3110, 4 x U390, 1 x UC6, 10 x ULB40 for pipettes with a maximum height of 55 cm. Positioning on the lower level.

**LMP2010** (not shown in the photo): version without drying system connection.



### LPM2020DS

Injection washing trolley with drying system connection for mixed washing of pipettes and flasks with 20 positions for pipettes up to 550 mm in height and 20 positions for narrow-necked glassware with a maximum height of 49 cm. Fitted with 38 spigots. Positioning on the lower level.

**LPM20/20** (not shown in the photo): version without drying system connection.