

GLASSWARE WASHER GW2145

GW2145 is a glassware washer with slim dimensions, designed to work with either one to two independent and flexible washing levels. The washing chamber measures 380 x 480 x 580mm (105 litres) and has the capability for washing and thermic disinfection (up to 95°C).



LM24

UNIVERSAL WASHING SOLUTION FOR NARROW-NECKED GLASSWARE - 24 POSITIONS



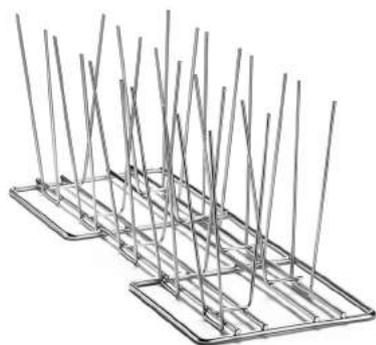
LPM24

MIXED WASHING SOLUTION FOR NARROW-NECKED GLASSWARE/PIPETTES - 12+12 POSITIONS



SB9

WASHING SOLUTION FOR BEAKERS, CYLINDERS UPTO 100ML MAX AND TUNNELS. TO BE PLACED ON D-CS1 AND D-CS2



SB14

WASHING SOLUTION FOR BEAKERS AND FLASKS FROM 250ML TO 1000ML. TO BE PLACED ON D-CS1 E D-CS2



LM46

UNIVERSAL WASHING SOLUTION FOR NARROW-NECKED GLASSWARE - 46 POSITIONS



KP60

UNIVERSAL WASHING SOLUTION FOR TEST TUBES - 60 POSITIONS



LM22S

WASHING SOLUTION FOR NARROW-NECKED GLASSWARE - 22 POSITIONS. TO BE PLACED ON D-CS2

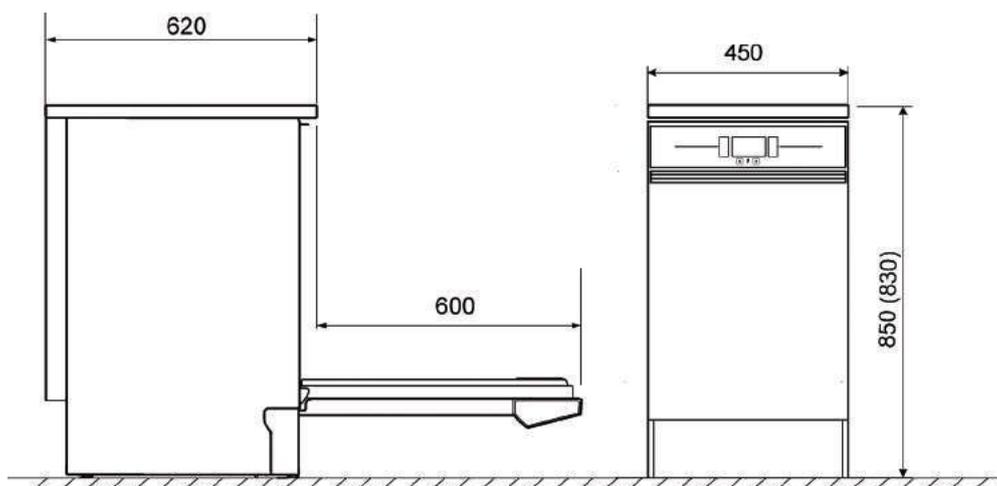


D-CS2

UNIVERSAL WASHING SOLUTION TO BE PLACED ON THE LOWER LEVEL



GW2145 TECHNICAL FEATURES		All versions
Electronic control	microprocessor	
Standard programs stored	9	
Customisable programs	6	
Display with segments and communication	yes, 4 digits	
Clock and calendar	yes	
Tank internal temperature	from room temperature to 95°C	
Accuracy	0,1°C	
Temperature sensor in tank	n° 1 x PT 1000 CLASS B IEC 60751	
Detergent and neutralizing agent dosing system	max. 1 powder dispenser, 1 liquid pumps and 1 pump as optional	
Detergent level sensor	optional	
Safety lock	yes, with electromagnetic release and automatic opening	
Safety devices	safety thermostats, door interlock	
Alarm display	30	
Troubleshooting menu	yes, using PC connection	
Programme editing	yes, using 6 customisable programs	
AUXILIARY FUNCTIONS		
Storage of data for 250 most recently run programs	yes	
RS232 serial port for PC connection	yes	
RS232 serial port for printer	yes	
Cycle storage	yes	
Cycle file download	yes	
WATER SUPPLY (PRESSURE 1,5-5 BAR)		
Cold water inlet	yes, hardness max 42°f	
Demineralized water inlet	yes, < 30 µS/cm	
Demineralized water booster pump	optional	
Water softener incorporated	yes	
Recirculation pump	200 l/min	
WATER HEATING		
Electrical	3,3 kW Max	
STEAM CONDENSER		
	no	
DIMENSIONS LXDxH MM		
Outside (with built-in top)	450x620x850 (830)	
Inside (gross)	370x480x620	
Net weight (Kg)	56	
STAINLESS STEEL		
Wash tank	AISI 316L	
Exterior covering	AISI 304	
ELECTRICAL POWER SUPPLY		
Max. voltage/power	1/N/PE 230V ~ 50Hz 3,3 kW	
NOISE LEVEL		
	max 50 dB	



COMPATIBLE
GW0160
GW2145
GW1160
GW4060
GW4190
GW3060
GW4090



D-CS1

UPPER LEVEL BASKET

Basic upper basket with sprayer for the GW2145 series. Suitable for glassware treatment

D-CS2

LOWER LEVEL BASKET

Basic lower basket with sprayer for the GW2145 series. Suitable for glassware treatment



CS1-1

UPPER LEVEL BASKET

Basic upper basket with sprayer. Suitable for glassware treatment

CS2

LOWER LEVEL BASKET

Basic lower basket. Suitable for glassware treatment.



COMPATIBLE
 GW0160
 GW2145
 GW1160
 GW4060
 GW4190
 GW3060
 GW4090



SB9

9 POSITION INSERT

Made of stainless steel, it is suitable for washing beakers and cylinders of max. 100 ml and funnels. Occupies 1/2 of the D-CS1/D-CS2 baskets.

Dimensions: W x D x H = 420 x 145 x 160 mm

An insert for 14 positions is also available (**SB14**).
 Dimensions: W x D x H = 422 x 146 x 184 mm

SB15

15 POSITION INSERT

Made of stainless steel, it is suitable for washing beakers and flasks. For use in combination with standard CS1-1 and CS2 baskets of 16 items and is made of stainless steel.

Recommended for flasks with a capacity of up to 1000 ml.

Dimensions: W x D x H = 400 x 195 x 115 mm



SB28

28 POSITION INSERT

Made of stainless steel, it is suitable for washing beakers and flasks. For use in combination with standard CS1-1 and CS2 baskets and LM20 insert.

It has a capacity for 16 items and is made of stainless steel.

Recommended for flasks with a capacity of up to 1000 ml.

Dimensions: W x D x H = 400 x 195 x 185 mm

SB30

30 POSITION INSERT

Made of stainless steel, it is suitable for washing beakers of any size. For use in combination with standard CS1-1 and CS2 baskets and LM20 insert.

It has a capacity of 30 items and is made of stainless steel.

Recommended for flasks with a capacity of up to 500ml.

Dimensions: W x D x H = 400 x 195 x 150 mm

An insert for 25 positions is also available (**SB25**).



COMPATIBLE
WITH ALL
GLASSWASHERS



CSK1

1-LEVEL SMALL GLASSES
AND OBJECTS INSERT

It is suitable for washing
glasses and objects of small
dimensions.level

Dimensions: L x D x H 450 x 450 x 55mm, mesh 5 x 5mm
Space needed: entire washer

CSK2

½ LEVEL SMALL GLASSES
AND OBJECTS INSERT

It is suitable for washing glasses and objects of
small dimensions.

Dimensions : L x D x H 450 x 225 x
55mm, mesh 5 x 5mm
Space needed: half of a washer level



SERIE "CP"

¼ LEVEL TEST TUBE INSERT

Compartment suitable for test tubes up to 160. Accessory
composed by 3 compartments and a lid. Different sizes
depending on the test tubes model.
Space needed: 1/4 of a washer level

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

COMPATIBLE
WITH ALL
GLASSWASHERS



PV105

SLIDES INSERT

Microscope slide insert made of stainless steel. Suitable for positioning 105 standard microscope slides.

Dimensions l x d x h = 220x143x60 mm.

SL6

PLATE INSERT

It is suitable for washing up to Olympus-type plate for optical recognition of the blood unit. Hinged lid included.

Dimensions l x d x h = 485x145x80 mm.



SL9

CHROMATOGRAPHIC PLATES INSERT

Made of stainless steel, it is suitable for washing chromatographic plates.

Capacity of 9 items.

It takes up 1/2 the space of a standard basket.

SL18

CHROMATOGRAPHIC PLATES
INSERT

Made of stainless steel, suitable for washing 20x20 standard chromatographic plates. Capacity of 18 items.

The guides are shaped in such a way that the support points are outside the working surface.



COMPATIBLE
WITH ALL
GLASSWASHERS

SERIE "PD"

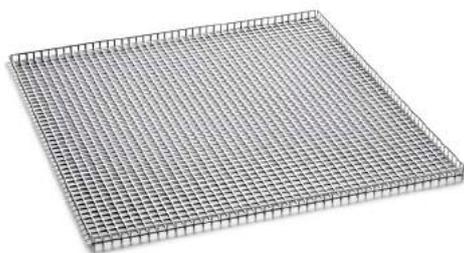
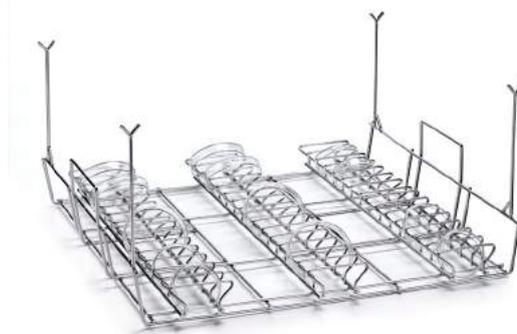
DIFFERENT DIMENSIONS PETRI DISH INSERT

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 lower level CS2.

PD100I - 38 items, 70-120 mm positioned on the lower level CS2.



SERIE "PF"

DIFFERENT DIMENSIONS
MESHES

PF1/2, PF1/2, 1/2 space of CS2 or CS1-1

PF1, whole CS1-1

PF2, whole CS2

D-PF1, whole D-CS1-1

D-PF2, whole D-CS2

SA3

DIFFERENT
DIMENSIONS
HOLDING NETS

RC1 net covering a whole carrier,

RC1/2 net covering 1/2 carrier,

RC1/4 net covering 1/4 carrier



SERIE "U"

SPIGOTS OF DIFFERENT
DIMENSIONS

Injection 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.

Suitable as spare parts on carriers already in use or to equip customizable carriers.



COMPATIBLE
GW2145



**LABORATORY
GLASSWARE WASHER
WITH DRYING SYSTEM
and high efficiency
steam condenser with
cold water injection
GW4090C**

Mixed stainless-steel flask/pipette carriage with 12+12 positions, suitable for washing narrow-necked glassware up to 490 mm in height. Fitted with the following nozzles: 4 x U6240, 2 x U6220, 2 x U4160, 2 x U4140, 2 x U3110, 12 x LB40. Maximum glassware height of 490 mm and positioning on the D-CS2 rack lower level.

LM24

FLASK WASHING INSERT

Universal 24-position stainless steel flask washer, suitable for washing narrow-necked glassware up to 490 mm in height. Fitted with the following nozzles: 6 x U6240, 5 x U6220, 6 x U4160, 5 x U4140, 2 x U3110. Positioning on the D-CS2 rack lower level.



LM22S

FLASK WASHING INSERT

Universal 22-position stainless steel flask washer, suitable for washing narrow-necked glassware up to 225 mm in height. Fitted with the following nozzles: 12 x U4140, 5 x U3110, 5 x U390, positioning on the D-CS1 rack upper level.

LM46

UNIVERSAL FLASK WASHING
CARRIER- 46 POSITIONS

Suitable for washing narrow-necked glassware up to 220 mm in height. Upper basket insert equipped with the following nozzles: 12 x U4140 (140 mm), 6 x U390 (90 mm), 6 x U3110 (110 mm). Lower basket insert equipped with the following nozzles: 6 x U4140 (140 mm), 2 x U390 (90 mm), 2 x U3110 (110 mm), 2 x U6220 (220 mm), 2 x U6240 (240 mm), 2 x U6260 (260 mm), 2 x U4180 (160 mm), 6 x U4160 (160 mm), 1 x UC6 (curved). Positioned on the rack levels of D-CS1 and D-CS2. Made of stainless steel.



COMPATIBLE
GW2145



TWO SPRAYING LEVELS

This configuration has two washing levels with spray arms where supports for all types of glassware can be located (beakers, test tubes, flasks, plates and various other materials).

Photo:

D-CS1 upper basket: SB9 straight line support for beakers and flasks to the left, SB14 spring tine support to the right. Each support occupies 1/2 the rack for machines with width of 45 cm.

D-CS2 lower basket: SB28 universal spring support for beakers and flasks, standard on 60-cm models, occupying all the lower base but cannot be positioned on the upper rack.

TWO SPRAYING LEVELS

This configuration has two washing levels with spray arms for all types of glassware.

Photo:

D-CS1 upper basket: it is fitted with 2 supports equipped with compartments (CP192 and CP222) to wash test tubes.

D-CS2 lower basket: SB9 insert for beakers and flasks to the left, SB14 spring support to the right. Each support occupies 1/2 the rack for machines with width of 45 cm to optimise the load on the rack.



ONE INJECTION LEVEL

This configuration is suitable for washing narrow-necked glassware of different sizes

Photo:

The LM24 is secured to the lower D-CS2 basket using two special fastenings. This solution is suitable for washing narrow-necked glassware of different sizes with a capacity of 24 items and a maximum height of glassware of 500 mm.

