

01. Undercounter glassware washers

FlexiLoad loading system

FlexiLoad system represents an evolution in laboratory washing management. Designed to ensure maximum loading flexibility, efficiency and superior cleaning results, it combines advanced technical solutions with a simplified user experience.

Key features

- MAXIMUM ADAPTABILITY TO THE LOAD**
 Flexible modules allow the washing chamber to be configured according to the **shape, size, and type of glassware** to be washed (bottles, flasks, pipettes, vials, etc.). This enables optimized use of the internal space, even with mixed loads.
- CUSTOMIZABLE AND MODULAR CONFIGURATION**
 Modules can be quickly replaced or reconfigured, making the machine extremely **versatile and ready to adapt** to different types of glassware, saving significant time for the user.
- GREATER OPERATIONAL EFFICIENCY**
 Fewer washing cycles are needed thanks to **improved load optimization**, resulting in lower consumption of water, energy and detergents.

FULL VISIBILITY OF OPERATIONS

Full visibility of every washing phase is ensured by the glass door and the integrated LED lighting inside the chamber. The **LED light on the door handle** (FlexiLoad Plus) provides clear status feedback, allowing users to monitor operations at a glance and manage laboratory workflows with greater confidence and control.



Cycle in progress



Cycle completed



Alarm / malfunction

Full range

FlexiLoad

Engineered to deliver maximum flexibility and efficiency, the FlexiLoad range ensures **outstanding washing performance** across a wide variety of laboratory glassware. Its **modular configuration** and **optimized hydraulic system** provide reliable, repeatable results with intuitive operation and robust construction for demanding environments.



FlexiLoad PLUS

Building on and enhancing the core strengths of the FlexiLoad range, the FlexiLoad Plus elevates both performance and user experience. An elegant glass front panel, a large **7" TFT touch screen display**, and a double control board architecture allow **advanced feature management** and **optional integrations** with greater precision, control, and operational efficiency.

Functions



ADVANCED HYDRAULIC SYSTEM

- Redesigned hydraulic circuit for optimal washing performance.
- Machine-to-rack connection prevents pressure loss and optimizes water flow.



CUTTING-EDGE SPRAY ARMS

- Angled, removable, and easy-to-clean tips ensuring cleaning, even in hard-to-reach areas.
- Optional upper spray arm for additional top water pressure.



EFFICIENT DRYING SYSTEM

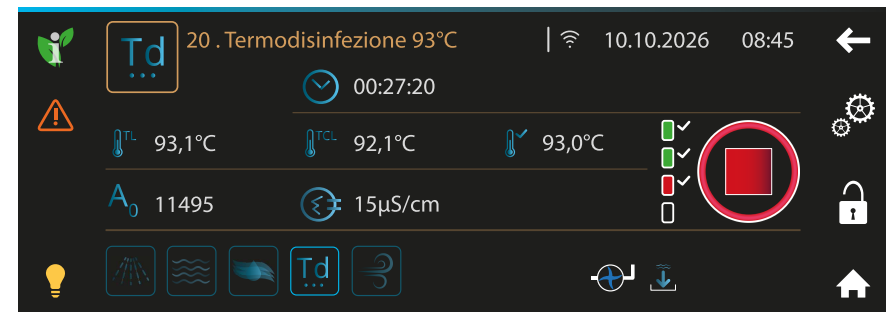
- 50% more power compared to previous generation for faster drying times.
- Glassware ready for use with no residues.



User-friendly display for optimized use

7" FULL-COLOR TOUCH DISPLAY

The machine features a 7" full-colour touch screen designed for **clarity and ease of use**. Its intuitive layout presents system status, settings, and performance data at a glance. **Clear icons, logical navigation, and guided prompts** ensure fast operation, reduced errors, and a smooth user experience, even for first-time users.



ACCESSIBILITY, SECURITY AND SELF-DIAGNOSTIC

All crucial data are visible on a single, well-organized screen for maximum transparency and control. **Sensitive parameters are protected within password-secured sub-menus**, safeguarding data integrity, process reliability and self-diagnostic.

EASE OF SELECTION

The washing program menu provides instant access to preferred and most-used cycles. Each program clearly displays temperature, duration, and features before start. With **40 programs available** (20 preset and 20 fully customizable) the system offers the perfect balance between reliability and flexibility.



GWF06

FlexiLoad | Laboratory glassware washer

- washing up to 85 °C - antibacterial thermal disinfection
- microprocessor electronic control provided with 3 safety levels for parameters editing and adjusting
- provided with a visual and acoustic communication system for operativity and alarms
- internal memory for cycles, parameters and alarms datalogging
- equipped with connection software included for monitoring cycles and parameters, creating customized programs and downloading archives
- external panels made of AISI 304 stainless steel
- n. 2 independent washing levels through telescopic guides
- possibility of having powder or liquid detergent with dedicated peristaltic dosing pump
- peristaltic dosing pump for acid liquid neutralizer
- incorporated high efficiency water softener with salt sensor
- communication via display of the progressive status of the washing cycle
- electronic door lock system for user safety
- cold water and demineralized water connections as default configuration
- wall drain pump
- default electrical connection: 3/N/PE 400 V - 50 Hz
- convertible in single phase 1/N/PE 230 V - 50 Hz or tri-phase w/o neutral 230V 3~ - 50Hz through dedicated optional kits
- 60 Hz versions available
- chamber capacity 152 litres

Version	POWDER DETERGENT DISPENSER	NEUTRALIZER DOSING PUMP	LIQUID DETERGENT DOSING PUMP
GWF06-00-00J	▪	▪	▪
GWF06-S0-00J	-	▪	▪

▪ standard feature ▣ optional features (some can only be installed in the factory at the time of ordering)
 - feature not provided and not installable

MODULAR LOADING SYSTEM TO ENSURE A HIGHLY FLEXIBLE AND CUSTOMIZABLE CHAMBER CONFIGURATION BASED ON THE SHAPE, SIZE AND TYPE OF GLASSWARE TO BE WASHED

FRONT PANEL IN GLASS WITH LCD TOUCH-ON-GLASS DISPLAY AND USB PORT FOR CONNECTIVITY

PROGRAMS AVAILABLE: 7 DEFAULT + 1 FOR SERVICE

WASHING CHAMBER AND INTERNAL DOOR IN AISI 304 STAINLESS STEEL



External dimensions WxDxH	600x605x850 mm
Internal working dimensions WxDxH	525x520x555 mm

GWF16

FlexiLoad | Laboratory glassware washer

- washing up to 95 °C - antibacterial thermal disinfection
- microprocessor electronic control provided with 3 safety levels for parameters editing and adjusting
- provided with a visual and acoustic communication system for operativity and alarms
- internal memory for cycles, parameters and alarms datalogging
- equipped with connection software included for monitoring cycles and parameters, creating customized programs and downloading archives
- optional built-in panel printer
- optional RS232 serial port and Ethernet port for LAN connection
- external panels made of AISI 304 stainless steel
- n. 2 independent washing levels through telescopic guides
- possibility of having powder or liquid detergent with dedicated peristaltic dosing pump
- peristaltic dosing pump for acid liquid neutralizer
- possibility of installing 1 additional peristaltic pump
- incorporated high efficiency water softener with salt sensor
- communication via display of the progressive status of the washing cycle
- electronic door lock system for user safety
- pass-through hole for temperature probe access into the chamber
- cold water and demineralized water connections as default configuration
- ready to hot water connection (to be purchased as option)
- wall drain pump
- default electrical connection: 3/N/PE 400 V - 50 Hz
- convertible in single phase 1/N/PE 230 V - 50 Hz or tri-phase w/o neutral 230V 3~ - 50Hz through dedicated optional kits
- 60 Hz versions available
- chamber capacity 152 litres

Version	POWDER DETERGENT DISPENSER	NEUTRALIZER DOSING PUMP	LIQUID DETERGENT DOSING PUMP	STEAM CONDENSER	GLASS DOOR
GWF16-00-000	■	■	□	-	-
GWF16-0C-000	■	■	□	■	-
GWF16-S0-000	-	■	■	-	-
GWF16-SC-000	-	■	■	■	-
GWF16-SC-00G	-	■	■	■	■

■ standard feature □ optional features (some can only be installed in the factory at the time of ordering)
- feature not provided and not installable

**MODULAR LOADING
SYSTEM TO ENSURE
A HIGHLY FLEXIBLE
AND CUSTOMIZABLE
CHAMBER
CONFIGURATION
BASED ON THE SHAPE,
SIZE AND TYPE OF
GLASSWARE TO BE
WASHED**

**FRONT PANEL
IN GLASS WITH LCD
TOUCH-ON-GLASS
DISPLAY AND USB PORT
FOR CONNECTIVITY**

**PROGRAMS AVAILABLE:
20 DEFAULT + 20 CUSTOM
+ 1 FOR SERVICE**

**WASHING CHAMBER
AND INTERNAL DOOR
IN AISI 316L
STAINLESS STEEL**



External dimensions WxDxH	600x605x850 mm
Internal working dimensions WxDxH	525x520x555 mm

GWF26

FlexiLoad | Laboratory glassware washer with drying system

- washing up to 95 °C - antibacterial thermal disinfection
- microprocessor electronic control provided with 3 safety levels for parameters editing and adjusting
- provided with a visual and acoustic communication system for operativity and alarms
- internal memory for cycles, parameters and alarms datalogging
- equipped with connection software included for monitoring cycles and parameters, creating customized programs and downloading archives
- optional built-in panel printer
- optional RS232 serial port and Ethernet port for LAN connection
- external panels made of AISI 304 stainless steel
- n. 2 independent washing levels through telescopic guides
- optional internal LED lighting for washing chamber
- forced hot-air drying system with air filter 98% DOP
- ready for absolute HEPA filter H14 (to be purchased as option)
- possibility of having powder or liquid detergent with dedicated peristaltic dosing pump
- peristaltic dosing pump for acid liquid neutralizer
- possibility of installing 1 additional peristaltic pump
- incorporated high efficiency water softener with salt sensor
- communication via display of the progressive status of the washing cycle
- electronic door lock system for user safety
- pass-through hole for temperature probe access into the chamber
- cold water and demineralized water connections as default configuration
- ready to hot water connection (to be purchased as option)
- wall drain pump
- default electrical connection: 3/N/PE 400 V - 50 Hz
- convertible in single phase 1/N/PE 230 V - 50 Hz or tri-phase w/o neutral 230V 3~ - 50Hz through dedicated optional kits
- 60 Hz versions available
- chamber capacity 152 litres

Version	POWDER DETERGENT DISPENSER	NEUTRALIZER DOSING PUMP	LIQUID DETERGENT DOSING PUMP	STEAM CONDENSER	GLASS DOOR
GWF26-00-000	■	■	□	-	-
GWF26-0C-000	■	■	□	■	-
GWF26-S0-000	-	■	■	-	-
GWF26-SC-000	-	■	■	■	-
GWF26-SC-00G	-	■	■	■	■

■ standard feature □ optional features (some can only be installed in the factory at the time of ordering)
- feature not provided and not installable

MODULAR LOADING SYSTEM FOR FLEXIBLE CHAMBER CONFIGURATION

PROGRAMS AVAILABLE: 20 DEFAULT + 20 CUSTOM + 1 FOR SERVICE

FRONT PANEL IN GLASS WITH LCD TOUCH-ON-GLASS DISPLAY AND USB PORT FOR CONNECTIVITY

WASHING CHAMBER AND INTERNAL DOOR IN AISI 316L STAINLESS STEEL



External dimensions WxDxH	600x605x850 mm
Internal working dimensions WxDxH	525x520x555 mm

GWF29

FlexiLoad | Laboratory glassware washer with drying system

- washing up to 95 °C - antibacterial thermal disinfection
- microprocessor electronic control provided with 3 safety levels for parameters editing and adjusting
- provided with a visual and acoustic communication system for operativity and alarms
- microprocessor electronic control provided with 3 safety levels for parameters editing and adjusting
- internal memory for cycles, parameters and alarms datalogging
- equipped with connection software included for monitoring cycles and parameters, creating customized programs and downloading archives
- optional built-in panel printer
- optional RS232 serial port and Ethernet port for LAN connection
- external panels made of AISI 304 stainless steel
- n. 2 independent washing levels through telescopic guides
- optional internal LED lighting for washing chamber
- forced hot-air drying system with air filter 98% DOP
- ready for absolute HEPA filter H14 (to be purchased as option)
- possibility of having powder or liquid detergent with dedicated peristaltic dosing pump
- peristaltic dosing pump for acid liquid neutralizer
- possibility of installing 2 additional peristaltic pumps
- detergent compartment with front telescopic opening, 2 x 5-litre canisters capacity (up to 4 with dedicated optional)
- incorporated high efficiency water softener with salt sensor
- communication via display of the progressive status of the washing cycle
- electronic door lock system for user safety
- pass-through hole for temperature probe access into the chamber
- cold water and demineralized water connections as default configuration
- ready to hot water connection (to be purchased as option)
- wall drain pump
- default electrical connection: 3/N/PE 400 V - 50 Hz
- convertible in single phase 1/N/PE 230 V - 50 Hz or tri-phase w/o neutral 230V 3~ - 50Hz through dedicated optional kits
- 60 Hz versions available
- chamber capacity 152 litres

Version	POWDER DETERGENT DISPENSER	NEUTRALIZER DOSING PUMP	LIQUID DETERGENT DOSING PUMP	STEAM CONDENSER	GLASS DOOR
GWF29-00-000	▪	▪	□	-	-
GWF29-0C-000	▪	▪	□	▪	-
GWF29-S0-000	-	▪	▪	-	-
GWF29-SC-000	-	▪	▪	▪	-
GWF29-SC-00G	-	▪	▪	▪	▪

▪ standard feature □ optional features (some can only be installed in the factory at the time of ordering)
- feature not provided and not installable

MODULAR LOADING SYSTEM FOR FLEXIBLE CHAMBER CONFIGURATION

FRONT PANEL IN GLASS WITH LCD TOUCH-ON-GLASS DISPLAY AND USB PORT FOR CONNECTIVITY

PROGRAMS AVAILABLE: 20 DEFAULT + 20 CUSTOM + 1 FOR SERVICE

WASHING CHAMBER AND INTERNAL DOOR IN AISI 316L STAINLESS STEEL



External dimensions WxDxH	900x605x850 mm
Internal working dimensions WxDxH	525x520x555 mm

GWF46

FlexiLoad PLUS | Laboratory glassware washer with drying system

- washing up to 95 °C - antibacterial thermal disinfection
- microprocessor electronic control provided with 3 safety levels for parameters editing and adjusting
- provided with a visual and acoustic communication system for operativity and alarms
- internal memory for cycles, parameters and alarms datalogging
- equipped with connection software included for monitoring cycles and parameters, creating customized programs and downloading archives
- optional RS232 serial port and Ethernet port for LAN connection
- external panels made of AISI 304 stainless steel
- n. 2 independent washing levels through telescopic guides
- optional internal LED lighting for washing chamber
- optional spraying arm rotation control system
- forced hot-air drying system with air filter 98% DOP
- ready for absolute HEPA filter H14 (to be purchased as option)
- peristaltic dosing pump for liquid detergent
- peristaltic dosing pump for acid liquid neutralizer
- possibility of installing 2 additional peristaltic pumps
- optional flowmeter on peristaltic pumps
- incorporated high efficiency water softener with salt sensor
- communication via display of the progressive status of the washing cycle
- optional multi-colour LED lights on door handle for cycle status signalling
- electronic door lock system for user safety
- pass-through hole for temperature probe access into the chamber
- optional conductivity sensor for quality washing check
- cold water, hot water and demineralized water connections as default configuration
- wall drain pump
- optional double drain valve
- default electrical connection: 3/N/PE 400 V - 50 Hz
- convertible in single phase 1/N/PE 230 V - 50 Hz or tri-phase w/o neutral 230V 3~ - 50Hz through dedicated optional kits
- 60 Hz versions available
- chamber capacity 152 litres

Version	NEUTRALIZER DOSING PUMP	LIQUID DETERGENT DOSING PUMP	ADDITIONAL PERISTALTIC PUMPS	STEAM CONDENSER	GLASS DOOR
GWF46-S0-000	▪	▪	□	-	-
GWF46-SC-000	▪	▪	□	▪	-
GWF46-SC-00G	▪	▪	□	▪	▪
GWF46-PC-000	▪	▪	▪	▪	-

▪ standard feature □ optional features (some can only be installed in the factory at the time of ordering)
 - feature not provided and not installable

MODULAR LOADING SYSTEM FOR FLEXIBLE CHAMBER CONFIGURATION

FRONT PANEL IN GLASS WITH 7" TOUCH SCREEN TFT DISPLAY AND USB PORT FOR CONNECTIVITY

DUAL CONTROL BOARD FOR ADVANCED FUNCTIONS AND ENHANCED PERFORMANCE

PROGRAMS AVAILABLE: 20 DEFAULT + 20 CUSTOM + 1 FOR SERVICE

OPTIONAL MULTI-COLOR LED LIGHTS ON DOOR HANDLE



External dimensions WxDxH	600x605x850 mm
Internal working dimensions WxDxH	525x520x555 mm

GWF49

FlexiLoad PLUS | Laboratory glassware washer with drying system

- washing up to 95 °C - antibacterial thermal disinfection
- microprocessor electronic control provided with 3 safety levels for parameters editing and adjusting
- provided with a visual and acoustic communication system for operativity and alarms
- internal memory for cycles, parameters and alarms datalogging
- equipped with connection software included for monitoring cycles and parameters, creating customized programs and downloading archives
- optional built-in panel printer
- optional RS232 serial port and Ethernet port for LAN connection
- external panels made of AISI 304 stainless steel
- n. 2 independent washing levels through telescopic guides
- optional internal LED lighting for washing chamber
- optional spraying arm rotation control system
- forced hot-air drying system with air filter 98% DOP
- ready for absolute HEPA filter H14 (to be purchased as option)
- peristaltic dosing pump for liquid detergent
- peristaltic dosing pump for acid liquid neutralizer
- possibility of installing 3 additional peristaltic pumps
- optional flowmeter on peristaltic pumps
- detergent compartment with front telescopic opening, 2 x 5-litre canisters capacity (up to 4 with dedicated optional)
- incorporated high efficiency water softener with salt sensor
- communication via display of the progressive status of the washing cycle
- optional multi-colour LED lights on door handle for cycle status signalling
- electronic door lock system for user safety
- pass-through hole for temperature probe access into the chamber
- optional conductivity sensor for quality washing check
- cold water, hot water and demineralized water connections as default configuration
- wall drain pump
- optional double drain valve
- default electrical connection: 3/N/PE 400 V - 50 Hz
- convertible in single phase 1/N/PE 230 V - 50 Hz or tri-phase w/o neutral 230V 3~ - 50Hz through dedicated optional kits
- 60 Hz versions available
- chamber capacity 152 litres

Version	NEUTRALIZER DOSING PUMP	LIQUID DETERGENT DOSING PUMP	ADDITIONAL PERISTALTIC PUMPS	STEAM CONDENSER	GLASS DOOR
GWF49-S0-000	▪	▪	□	-	-
GWF49-SC-000	▪	▪	□	▪	-
GWF49-SC-00G	▪	▪	□	▪	▪
GWF49-PC-000	▪	▪	▪	▪	-

▪ standard feature □ optional features (some can only be installed in the factory at the time of ordering)
- feature not provided and not installable

MODULAR LOADING SYSTEM FOR FLEXIBLE CHAMBER CONFIGURATION

FRONT PANEL IN GLASS WITH 7" TOUCH SCREEN TFT DISPLAY AND USB PORT FOR CONNECTIVITY

DUAL CONTROL BOARD FOR ADVANCED FUNCTIONS AND ENHANCED PERFORMANCE

PROGRAMS AVAILABLE: 20 DEFAULT + 20 CUSTOM + 1 FOR SERVICE

OPTIONAL MULTI-COLOR LED LIGHTS ON DOOR HANDLE



External dimensions WxDxH	900x605x850 mm
Internal working dimensions WxDxH	525x520x555 mm

GW1245

Concept | Laboratory glassware washer 45 cm

- glassware washer for washing and disinfecting of glassware and various laboratory material
- washing up to 95 °C - antibacterial thermal disinfection
- user interface with touch colour display, simultaneous display on 3 independent levels of the operating parameters (program, progress status, temperature/remaining time/Ao/peristaltic pumps dosage, etc.)
- display front panel in glass with LCD display and USB frontal port for connectivity
- provided with a visual and acoustic communication system for operativity and alarms
- programs available: 20 default + 20 custom + 1 for service
- microprocessor electronic control provided with 3 safety levels for parameters editing and adjusting
- internal memory for cycles, parameters and alarms datalogging
- provided with software to connect the device and monitoring cycles and parameters
- washing chamber and internal door in AISI 316L stainless steel
- external panels made of AISI 304 stainless steel
- n. 2 independent washing levels through telescopic guides
- peristaltic dosing pump for liquid detergent
- peristaltic dosing pump for acid liquid neutralizer
- incorporated high efficiency water softener with salt sensor
- communication via display of the progressive status of the washing cycle
- possibility to cool the drain water up to 65°C
- electronic door lock system for user safety
- cold water and demineralized water connections as default configuration
- external dimensions LxDxH: 450 x 620 x 850 mm
- internal working dimensions LxDxH: 370 x 480 x 570 mm
- electrical connection: 1/N/PE 230 V - 50 Hz - 3,3 kW max
- 60 Hz version available
- Schuko plug 16 A - 250 V included
- upper and lower trolleys D-CS1 and D-CS2 included

**EXTREME COMPACT
DIMENSION: 45 CM**

**PROGRAMS AVAILABLE:
20 DEFAULT + 20 CUSTOM
+ 1 FOR SERVICE**

**IDEAL SOLUTION
FOR SMALL LABS
WITH LESS QUANTITY
OF GLASSWARE
TO BE REPROCESSED**

**WASHING CHAMBER
AND INTERNAL DOOR
IN AISI 316L
STAINLESS STEEL**



Version	NEUTRALIZER DOSING PUMP	LIQUID DETERGENT DOSING PUMP	ADDITIONAL PERISTALTIC PUMPS	STEAM CONDENSER
GW1245-S0-100	▪	▪	-	-

▪ standard feature - feature not provided and not installable

External dimensions WxDxH	450x620x850 mm
Internal working dimensions WxDxH	370x480x570 mm

Racks, modules and accessories: enhanced capacity, superior flexibility

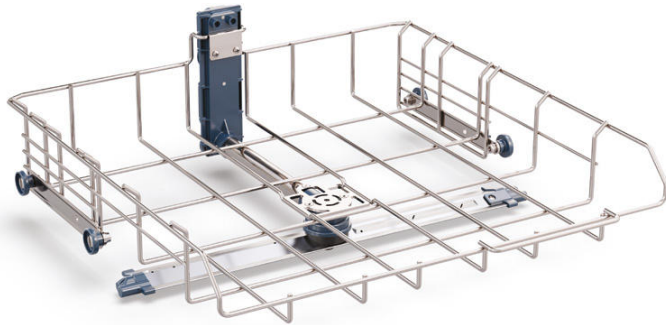
Smeg undercounter glassware washers are equipped with two perfectly identical levels, allowing for effective and **optimized load management**.

The upper level is fully reconfigurable at **two different heights** to accommodate glassware of various sizes, reducing operating costs and simplifying daily equipment handling.

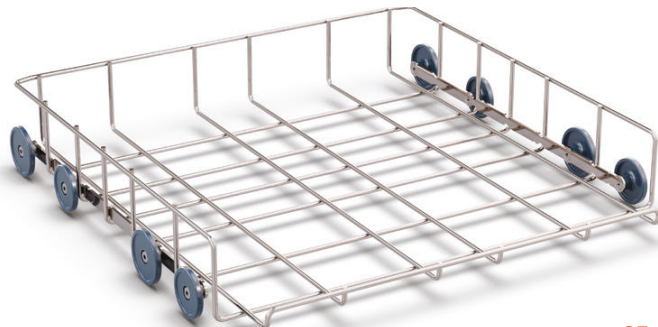
Thanks to a tank with a usable height of 555 mm, the machine allows the washing of 1000 ml bottles **on both levels simultaneously**, or large-sized glassware (up to 585 mm) on a single loading level.

Racks for spray washing

Designed to accommodate **wide-neck glassware** for spray washing applications. If required, it can be equipped with **dedicated support grids** and configured to hold specific washing baskets and accessories, ensuring **stable positioning** and optimal cleaning performance.



CFM-S



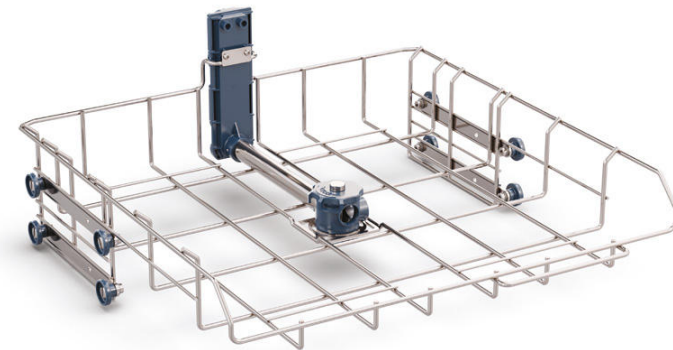
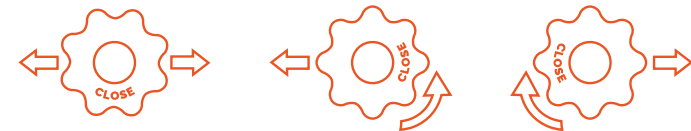
CF-I

Racks for injection washing

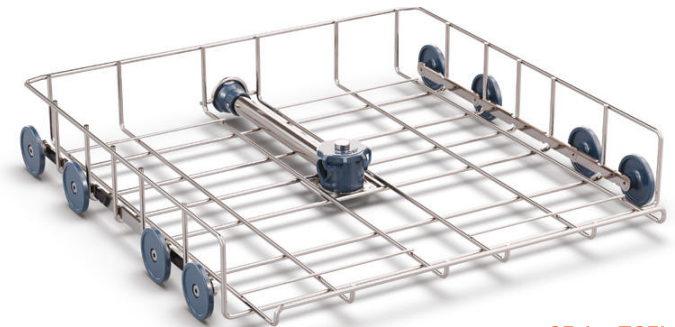
Specifically engineered for **injection washing** applications and optimized for use with dedicated washing modules. When required, the rack can also be configured for **spray washing** by easily removing the injection collector (TCFL), and equipped with dedicated support grids, ensuring maximum versatility and performance.

Engineered to eliminate pressure loss

Central selector allowing two modules to be installed simultaneously or enabling the hydraulic flow to be diverted to a specific module or manifold (required when using a single module per washing level).



CFL-S



CF-I + TCFL

Modules for unlimited loading solutions



MFL-8P

8-position module designed for injection washing of medium-sized narrow-neck glassware (e.g., bottles, flasks, Erlenmeyers), intended for laboratory cleaning of items up to 1 litre capacity.



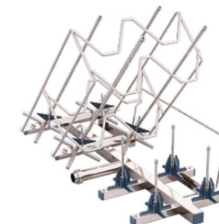
MFL-20P

20-position module designed for injection washing of small to medium narrow-neck glassware (e.g., small bottles, flasks).



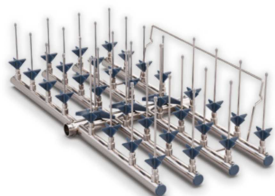
MFL-LBT3

Designed for injection washing of large bottles and large-capacity flasks (up to 5 litres), intended for laboratory cleaning of bulky glass containers.



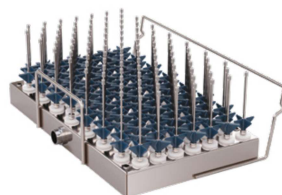
MFL-C4B4

Designed for injection washing of 4 graduated cylinders combined with additional smaller glassware, intended for mixed laboratory loads requiring simultaneous cleaning of cylinders and small-to-medium items.



MFL-35P

35-position module designed for injection washing of small narrow-neck glassware (e.g., small flasks, test tubes, vials), intended for processing large quantities of small-volume laboratory items.



MFL-KP100

Designed for injection washing of up to 105 vials and test tubes, intended for high-throughput cleaning of small hollow laboratory glassware.



MFL-C8

Designed for injection washing of up to 8 graduated cylinders of different capacities, intended for the dedicated cleaning of volumetric cylinders in a single load.



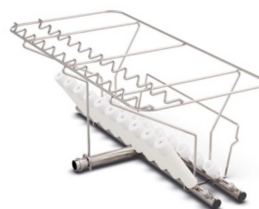
MFL-IRS

Designed as rinsing support module for wide-neck laboratory glassware, intended to enhance spraying washing performance in dedicated applications.



MFL-PT100

Designed for injection washing of up to 105 laboratory pipettes, intended for high-capacity processing of standard pipettes.



MFL-PT20L

Designed for injection washing of large pipettes (up to 580 mm length), intended for laboratory cleaning of long-volume pipettes.

Detergents

The use of **specific chemical products** is essential to obtain **accurate glass washing**. Detergents and neutralizing agents are especially studied by answering **all kind of different type of washing needs**: quality of the result, consumption decrease and environment safeguard.



ACIDGLASS P2



ACIDGLASS C2



ANTI-FOAM



DETERGLASS 3



DETERLIQUID I2



DETERLIQUID C2



DETERLIQUID SP2

