

## 02. High capacity glassware washers

### Large capacity laboratory glassware washers

The large-capacity range represents the next step in laboratory washing performance for medium and large facilities.

Designed to handle high volumes of glassware with maximum efficiency, it combines superior loading capacity, advanced hydraulic technology, and consistent, repeatable cleaning results.

### Key features

- HIGH LOADING CAPACITY**  
 Spacious washing chamber designed to process **large volumes of glassware** in a single cycle, ideal for medium and large laboratories with intensive daily workloads.
- ADVANCED TRACEABILITY SYSTEMS**  
 Full cycle data recording via **USB port**, **LAN printer connection**, or dedicated software, ensuring complete process traceability and supporting compliance with laboratory quality standards and validation protocols.
- ENHANCED PRODUCTIVITY**  
 Increased capacity reduces the number of washing cycles required, **lowering water, energy, and detergent consumption** while improving overall laboratory workflow efficiency.

### FAST CYCLES

A "T" models for 6010, 7010 and 7015 families, provided with **internal LED lighting** system integrated, are equipped with **n. 2 pre-heating tanks** for cold and demineralized water in order to minimize the cycle time: with this solution the average cycle time is **only 35 minutes**, allowing to increase the number of daily washes and, at the same time, to reduce the power consumption for each cycle.



-45%



-20%

### Full range

#### GLASS DOOR GLASSWARE WASHERS

The high-capacity glassware washer with glass door ensures **constant control** of the washing process without compromising the efficiency of the machine.



#### STAINLESS STEEL DOOR GLASSWARE WASHERS

The high-capacity glassware washer with stainless steel door guarantees **robustness and long-lasting performance**, thanks to the use of quality materials.

# GW6010

## High-capacity 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 Ethernet port for LAN connection
- external panels made of AISI 304 stainless steel
- 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)
- optional high efficiency Ecoslim steam condenser
- peristaltic pumps for liquid detergent and neutralizer
- possibility of installing up to 2 additional peristaltic pumps
- optional flowmeter on peristaltic pumps
- detergent cabinet with removable tray for storing up to 3 x 5 litres cans + 1 x 1 litre can
- communication via display of the progressive status of the washing cycle
- electronic door lock system for user safety
- optional conductivity sensor for quality washing check
- cold water, hot water and demineralized water connections
- floor drain connection (optional wall drain pump)
- optional double drain valve
- electrical connection: 3/N/PE 400 V - 50 Hz
- 60 Hz version available
- chamber capacity 234 litres

| Version   | SINGLE DROP DOWN DOOR | DOUBLE DROP DOWN DOOR | GLASS DOOR | STAINLESS STEEL DOOR | FAST CYCLES | TELESCOPIC GUIDES |
|-----------|-----------------------|-----------------------|------------|----------------------|-------------|-------------------|
| GW6010ML  | ▪                     | -                     | ▪          | -                    | -           | ▪                 |
| GW6010MLX | ▪                     | -                     | -          | ▪                    | -           | ▪                 |
| GW6010L   | -                     | ▪                     | ▪          | -                    | -           | -                 |
| GW6010LX  | -                     | ▪                     | -          | ▪                    | -           | -                 |
| GW6010T   | -                     | ▪                     | ▪          | ▪                    | ▪           | -                 |
| GW6010TM  | ▪                     | -                     | ▪          | ▪                    | ▪           | -                 |

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

**FRONT PANEL IN GLASS WITH MULTI-LANGUAGE TFT COLOUR TOUCH SCREEN DISPLAY AND USB PORT FOR CONNECTIVITY**

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

**CAPACITY UP TO 5 ADJUSTABLE WASHING LEVELS**

**SINGLE OR DOUBLE GLASS DROP-DOWN DOOR – STAINLESS STEEL DOOR VERSIONS AVAILABLE**

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



|                                   |                 |
|-----------------------------------|-----------------|
| External dimensions WxDxH         | 650x720x1950 mm |
| Internal working dimensions WxDxH | 550x620x685 mm  |

# GW7010

## High-capacity 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 Ethernet port for LAN connection
- external panels made of AISI 304 stainless steel
- 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)
- optional high efficiency Ecoslim steam condenser
- peristaltic pumps for liquid detergent and neutralizer
- possibility of installing up to 2 additional peristaltic pumps
- optional flowmeter on peristaltic pumps
- detergent cabinet with removable tray for storing up to 3 x 5 litres cans + 1 x 1 litre can
- communication via display of the progressive status of the washing cycle
- electronic door lock system for user safety
- optional conductivity sensor for quality washing check
- cold water, hot water and demineralized water connections
- floor drain connection (optional wall drain pump)
- optional double drain valve
- electrical connection: 3/N/PE 400 V - 50 Hz
- 60 Hz version available
- chamber capacity 234 litres

| Version  | SINGLE SLIDING DOOR | DOUBLE SLIDING DOOR | GLASS DOOR | FAST CYCLES |
|----------|---------------------|---------------------|------------|-------------|
| GW7010   | -                   | ▪                   | ▪          | -           |
| GW7010M  | ▪                   | -                   | ▪          | -           |
| GW7010T  | -                   | ▪                   | ▪          | ▪           |
| GW7010TM | ▪                   | -                   | ▪          | ▪           |

▪ standard feature   - feature not provided and not installable

FRONT PANEL IN GLASS  
WITH MULTI-LANGUAGE  
TFT COLOUR TOUCH  
SCREEN DISPLAY  
AND USB PORT FOR  
CONNECTIVITY

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

CAPACITY UP  
TO 5 ADJUSTABLE  
WASHING LEVELS

SINGLE OR DOUBLE  
GLASS SLIDING DOOR

WASHING CHAMBER  
AND INTERNAL DOOR  
IN AISI 316L  
STAINLESS STEEL



|                                   |                 |
|-----------------------------------|-----------------|
| External dimensions WxDxH         | 650x720x1950 mm |
| Internal working dimensions WxDxH | 550x620x685 mm  |

## GW7015

### High-capacity 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 Ethernet port for LAN connection
- external panels made of AISI 304 stainless steel
- optional internal LED lighting for washing chamber
- optional spraying arm rotation control system
- 2 independent washing pumps for greater washing pressure
- forced hot-air drying system made by 2 motors with air filters 98% DOP
- ready for absolute HEPA filters H14 (to be purchased as option)
- optional high efficiency Ecoslim steam condenser
- peristaltic pumps for liquid detergent and neutralizer
- possibility of installing up to 3 additional peristaltic pumps
- optional flowmeter on peristaltic pumps
- detergent cabinet with removable tray for storing up to 4 x 5 litres cans + 1 x 2 litre can
- communication via display of the progressive status of the washing cycle
- electronic door lock system for user safety
- optional conductivity sensor for quality washing check
- cold water, hot water and demineralized water connections
- floor drain connection (optional wall drain pump)
- optional double drain valve
- electrical connection: 3/N/PE 400 V - 50 Hz
- 60 Hz version available
- chamber capacity 354 litres

| Version  | SINGLE SLIDING DOOR | DOUBLE SLIDING DOOR | GLASS DOOR | FAST CYCLES |
|----------|---------------------|---------------------|------------|-------------|
| GW7015   | -                   | ▪                   | ▪          | -           |
| GW7015M  | ▪                   | -                   | ▪          | -           |
| GW7015T  | -                   | ▪                   | ▪          | ▪           |
| GW7015TM | ▪                   | -                   | ▪          | ▪           |

▪ standard feature   - feature not provided and not installable

FRONT PANEL IN GLASS  
WITH MULTI-LANGUAGE  
TFT COLOUR TOUCH  
SCREEN DISPLAY  
AND USB PORT FOR  
CONNECTIVITY

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

CAPACITY UP  
TO 6 ADJUSTABLE  
WASHING LEVELS

SINGLE OR DOUBLE  
GLASS SLIDING DOOR

WASHING CHAMBER  
AND INTERNAL DOOR  
IN AISI 316L  
STAINLESS STEEL



|                                   |                  |
|-----------------------------------|------------------|
| External dimensions WxDxH         | 900x1000x1942 mm |
| Internal working dimensions WxDxH | 626x826x685 mm   |

# GW6290

## High-capacity laboratory glasswasher

- 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 Ethernet port for LAN connection
- external panels made of AISI 304 stainless steel
- internal piping made of AISI 304 stainless steel
- optional internal LED lighting for washing chamber (standard for glass door version)
- 2 independent washing pumps for greater washing pressure
- forced hot-air drying system made by 2 motors with air filters 98% DOP
- ready for absolute HEPA filters H14 (to be purchased as option)
- peristaltic pumps for liquid detergent and neutralizer
- possibility of installing up to 3 additional peristaltic pumps
- optional flowmeter on peristaltic pumps
- detergent cabinet with removable tray for storing up to 4 x 5 litres cans
- communication via display of the progressive status of the washing cycle
- double electronic door lock system for user safety
- optional conductivity sensor for quality washing check
- cold water, hot water and demineralized water connections
- floor drain connection (optional wall drain pump)
- optional double drain valve
- electrical connection: 3/N/PE 400 V - 50 Hz
- 60 Hz version available
- chamber capacity 405 litres

| Version   | STAINLESS STEEL<br>DROP-DOWN DOOR | GLASS<br>PORTHOLE | FAST CYCLES | INTERNAL LED LIGHTING<br>SYSTEM |
|-----------|-----------------------------------|-------------------|-------------|---------------------------------|
| GW6290DS  | ▪                                 | -                 | ▪           | -                               |
| GW6290DSG | ▪                                 | ▪                 | ▪           | ▪                               |

▪ standard feature - feature not provided and not installable

FRONT PANEL IN GLASS  
WITH MULTI-LANGUAGE  
TFT COLOUR TOUCH  
SCREEN DISPLAY  
AND USB PORT FOR  
CONNECTIVITY

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

CAPACITY UP  
TO 3 ADJUSTABLE  
WASHING LEVELS  
THROUGH TELESCOPIC  
GUIDES

BUILT-IN PRE-HEATING  
TANK FOR FAST CYCLES

WASHING CHAMBER  
AND INTERNAL DOOR  
IN AISI 316L  
STAINLESS STEEL



|                                   |                 |
|-----------------------------------|-----------------|
| External dimensions WxDxH         | 900x800x1900 mm |
| Internal working dimensions WxDxH | 680x670x890 mm  |

## Large capacity glassware washers for petrochemical sector

Designed with the demanding needs of the petrochemical industry at its core, the premium accessory range for **Smeg Instruments large-capacity glassware washers** delivers exceptional performance, durability, and adaptability for medium and large laboratories.

A comprehensive portfolio of highly configurable solutions - including specialized petrochemical washing programs - allows each washer to be tailored to the exact requirements of petrochemical laboratories. Whether handling high load volumes or complex glassware geometries, the system ensures consistent, high-throughput efficiency.



GW6290DSP



GW6010MLXP

## Enhanced Performance & Reliability

Most importantly, even the toughest residues typical of petrochemical applications - such as bitumen, heavy hydrocarbons, and persistent oils - are removed effectively through targeted high-performance cycles combined with professional-grade detergents. The result is uncompromising cleaning quality, optimized workflow continuity, and maximum process reliability in one of the industry's most challenging environments.

- Stronger, more durable door gasket for improved sealing and long-lasting performance.
- Integrated 3rd dosing pump for caustic soda as standard, ensuring precise and efficient chemical dosing.
- Integrated 4th dosing pump for antifoam as standard, delivering smoother operation and optimal process control.



## Accessories for large capacity glassware washers

The accessory range for Smeg Instruments large-capacity glassware washers is designed to maximize versatility and performance in medium and large laboratories. A wide variety of **dedicated racks, inserts, and configurable solutions** allows each washer to be precisely tailored to different types of glassware, load volumes, and application requirements, ensuring optimal efficiency and process reliability.



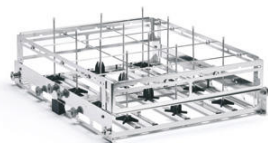
### CLB310UNIV

Universal trolley designed to accommodate various inserts, intended for flexible loading configurations.



### INSPLAV10

Base insert provided with integrated sprayer arm for wide-neck glassware positioning intended to enhance spraying washing performance.



### INS12U4180DV

Insert with 12 injection positions for medium-sized flasks or bottles, intended for internal washing of narrow-neck glassware.



### INS42BX

Insert with 42 positions for custom nozzle configuration, designed for vials and small bottles.



### INS2LP

Insert provided with 2 collectors dedicated to injection washing of up to 208 laboratory pipettes, intended for high-capacity processing of standard pipettes.



### INSLP28U4140

Insert provided with a collector dedicated to injection washing of up to 70 laboratory pipettes, intended for mixed laboratory loads requiring simultaneous cleaning of pipettes and small-to-medium items.



### CLB315UNIV

Universal trolley for larger-capacity washers, designed for flexible insert combinations in high-throughput laboratory applications.



### INS1596U390

Insert with 96 injection positions for small glassware (e.g., small flasks, test tubes or vials), intended for high-density washing applications.



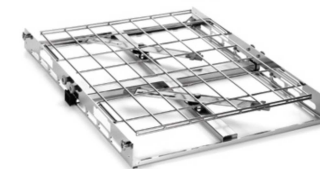
### L685

Rack designed for multi-purpose washing intended for small-medium dimension items such as bottles and flasks.



### C636-S

Rack with 36 positions for small-medium sized glassware, intended for 250-1000 ml capacity bottles or flasks.



### INSPLAV15

Base insert provided with 2 integrated sprayer arms for wide-neck glassware positioning intended to enhance spraying washing performance.



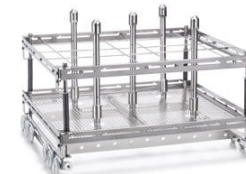
### LCB7015

Base loading rack designed to accommodate up to 2 collectors for large glassware.



### L685CIL

Rack specifically designed for graduated cylinders, intended for secure and effective washing of volumetric cylinders.



### LM6-5

Rack designed for washing up to 6 large items, intended for bulky laboratory glassware requiring big support structure.

## Loading and unloading solutions

The loading and unloading trolleys, designed to serve **double sliding door glassware washers**, optimise the management of the washing and disinfection process, ensuring a clear and controlled separation between different environments:

- improved process efficiency
- reduced operator effort
- increased daily productivity



## Technical data

| Version                        | GWFO6       | GWFI6       | GWFT6       | GWFT9       | GWFI46          | GWFI49          |
|--------------------------------|-------------|-------------|-------------|-------------|-----------------|-----------------|
| External dimensions WxDxH (mm) | 600x605x850 | 600x605x850 | 600x605x850 | 900x605x850 | 600x605x850     | 900x605x850     |
| Internal dimensions WxDxH (mm) | 525x520x555 | 525x520x555 | 525x520x555 | 525x520x555 | 525x520x555     | 525x520x555     |
| Capacity                       | 152 l       | 152 l       | 152 l       | 152 l       | 152 l           | 152 l           |
| Display                        | LCD         | LCD         | LCD         | LCD         | Touch Screen 7" | Touch Screen 7" |
| Max temperature                | 85°C        | 95°C        | 95°C        | 95°C        | 95°C            | 95°C            |
| Chamber material               | AISI 304    | AISI 316    | AISI 316    | AISI 316    | AISI 316        | AISI 316        |
| Programs                       | 8           | 20 + 20     | 20 + 20     | 20 + 20     | 20 + 20         | 20 + 20         |
| Drying system                  | -           | -           | ■           | ■           | ■               | ■               |
| Peristaltic pumps              | Up to 2     | Up to 3     | Up to 3     | Up to 4     | Up to 4         | Up to 5         |
| Glass door available           | -           | -           | ■           | ■           | ■               | ■               |
| Detergent cabinet              | -           | -           | -           | ■           | -               | ■               |
| Dual control board             | -           | -           | -           | -           | ■               | ■               |

| Version                        | GW6010                      | GW7010                    | GW7015                    | GW6290            |
|--------------------------------|-----------------------------|---------------------------|---------------------------|-------------------|
| External dimensions WxDxH (mm) | 650 x720x1950               | 650x720x1950              | 900x1000x1942             | 900x800x1900      |
| Internal dimensions WxDxH (mm) | 550x620x685                 | 550x620x685               | 626x826x685               | 680x670x890       |
| Capacity                       | 234 l                       | 234 l                     | 354 l                     | 405 l             |
| Display                        | TFT 4.3"                    | TFT 4.3"                  | TFT 4.3"                  | TFT 4.3"          |
| Door                           | Single or double, drop-down | Single or double, sliding | Single or double, sliding | Single, drop-down |
| Rails in washing chamber       | In specific "-ML" versions  | -                         | -                         | ■                 |
| Glass door available           | ■                           | ■                         | ■                         | -                 |
| Fast cycle                     | □                           | □                         | □                         | ■                 |

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

## 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

