

PROFESSIONAL GLASS & DISHWASHERS



5 0 0 S E R I E S

PERFORMING EXCELLENCE

Offering the best performance for modern catering: Smeg Foodservice Solutions is the Smeg division dedicated to the needs of the professional catering sector. Excellent technological know-how in design and fabrication results in innovative and functional solutions which guarantee maximum comfort in every working environment.

SMEG EXPERIENCE

Our newest range of professional glass and dishwashers, which have undergone a natural evolutionary process thanks to more than 40 years' experience in dishwasher design and fabrication. They are built entirely in Italy and designed for bars, restaurants and any commercial environment. Characterised by a high-tech wash system, these glass and dishwashers boast reduced consumption, quality wash results and guaranteed hygiene, combined with a distinctive design.

CONTINUOUS RESEARCH

Smeg has always designed and manufactured excellent products offering the best performance



500 SERIES

PROFESSIONAL FRONT LOADING GLASS AND DISHWASHERS

GREENLINE

Maximum attention to energy saving, respect for the environment, technological innovation: the new Greenline range is the result of a design process that strives for and guarantees the best performance with the minimum consumption.

TOPLINE

High performance, maximum efficiency, hygiene without compromise: every aspect of the Topline range has been designed with the latest technology to ensure excellent wash and rinse results.



GREENLINE CWG530DE CWG530SDE CW531DE CW531SDE



GREENLINE

MAXIMUM ATTENTION TO ENERGY SAVING, RESPECT FOR THE ENVIRONMENT, TECHNOLOGICAL INNOVATION

A number of solutions reduce energy, water and detergent consumption to optimise the washing process costs and safeguard the environment.

A modern approach that increases the value of your investment and helps reduce the overall running costs.

PERFORMANCE WITHOUT COMPROMISE

EXCELLENT RESULTS, GUARANTEED RINSE AT 85°C

Special design and technical details as well as the innovative three-stage filtering system guarantee excellent wash performance. The atmospheric boiler with Thermostop and the integrated rinse pump ensure a constant water temperature and pressure for effective rinsing.

GUARANTEED HYGIENE

The linear shapes and rounded corners prevent the build-up of grease and dirt in order to facilitate cleaning.

In addition, the automatic self-wash function at the end of the drain cycle means that these glass and dishwashers do not require cleaning by hand.

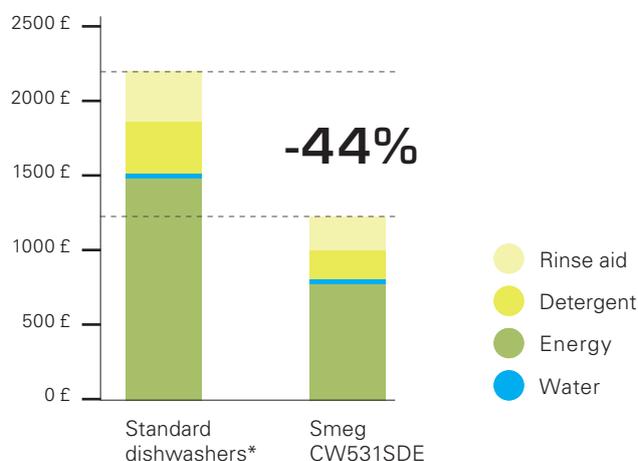
EASE OF USE

The 415 mm loading height, the intuitive display that simplifies the selection of the right program for each item to be washed and the counterbalanced door that prevents steam from escaping guarantee absolute ease of use.

SILENT OPERATION

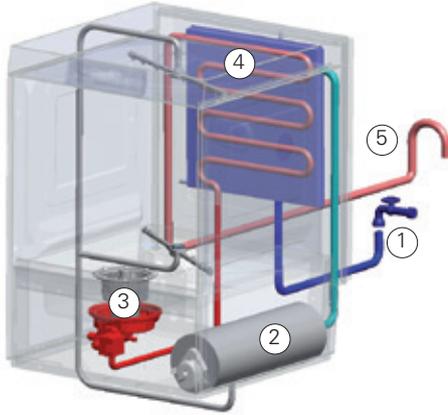
The double-skin structure, the thermal-acoustic insulation of the wash chamber and the hydraulic circuit (optimised to prevent cavitation) make these glass and dishwashers the most silent in their class (50 DbA).

ANNUAL RUNNING COST SAVINGS



* electromechanical, single skinned, without drain and rinse pump

DHR



Drain Heat Recovery system

- ① Inlet water
- ② Boiler
- ③ Drain pump and filter unit
- ④ DHR device
- ⑤ Wastewater

DHR HEAT RECOVERY

By means of the special Drain Heat Recovery (DHR) device, the wastewater heats the cold inlet water increasing the temperature by approximately 20°C. Thanks to this and a series of technical solutions, the energy consumption is 40% lower than standard models on the market.

INTELLIGENT OPERATION

In the periods when the machine is not used, the unique Standby system limits the operation of the tank and boiler heating elements guaranteeing a 70% energy saving compared to conventional glass and dishwashers.

WATER: REDUCED CONSUMPTION

ENERGY: GREATER SAVINGS

LESS WATER IN THE TANK

Smeg glass and dishwashers require only 11 litres of water compared to the 30 litres (approx.) consumed by conventional glass and dishwashers, thus reducing the heating time and the water consumption.

DOUBLE-SKINNED AND INSULATED STRUCTURE

The effective insulation of the boiler and the entire double-skinned structure considerably reduces heat loss and the operating time of the tank and boiler heating elements.

RINSE CYCLE

Consuming only 2.7 litres of fresh water for each rinse cycle, Smeg glass and dishwashers provide the best balance between water saving and hygiene.

PERFECT DOOR SEAL

The door closing system ensures a perfect seal, thereby preventing heat from escaping.

The best compromise between savings and hygiene.



ONLY AS MUCH AS
NECESSARY

The electronic Smart Wash system doses the rinse aid and detergent so that only the necessary amount is dispensed.

**DETERGENT AND RINSE AID:
ELIMINATE WASTE**

- ON/OFF
- Drain
- Option selection
- Program selection
- Machine settings display
- Start/Stop

DESIGN AND TECHNOLOGY

Careful design, state-of-the-art technology and ease of use: Greenline glass and dishwashers represent excellence from every perspective.





The Topline series of Smeg glass and dishwashers, guarantee top wash and rinse performance for any item.

TOPLINE CWG520D CWG520SD CW521D CW521SD

T O P L I N E

HIGH PERFORMANCE, MAXIMUM EFFICIENCY, HYGIENE
WITHOUT COMPROMISE

All Smeg glass and dishwashers are designed with painstaking care, right down to the smallest detail, using the latest technology. From the hydraulic water circuit to the electronic control panel, from the wash and rinse nozzles to the filtering system: every single part guarantees excellent wash and rinse results without the need for pre-washing the dishes.



C R E A T E D F O R P R O F E S S I O N A L S



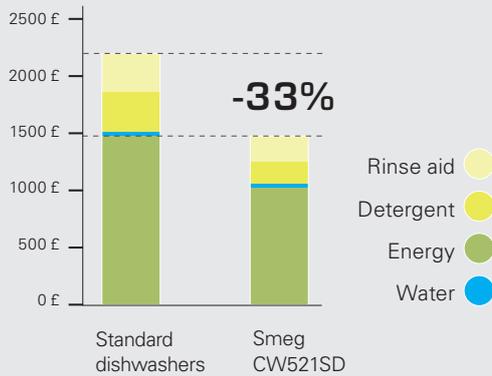
**TOP PERFORMANCE AND EFFICIENCY
WITHOUT COMPROMISE**

CONSUMPTION EFFICIENCY

Topline glass and dishwashers have been designed for great performance in energy efficiency and water and detergent consumption.

Thanks to the insulation, the Standby function and the low water consumption required for washing and rinsing, they are an excellent choice for catering professionals.

SAVINGS ON ANNUAL RUNNING COST



* electromechanical, single skinned, without drain and rinse pump.

EXCELLENT WASHING PERFORMANCE

A series of design and technical solutions, including the positioning and inclination of the nozzles, the speed of the rotating arms, as well as the innovative three-stage filtering system, guarantee superior wash performance.

GUARANTEED HYGIENE

The linear shapes and rounded corners of the tank prevent the build-up of grease and dirt, thereby making it easier to clean. In addition the automatic self-wash function at the end of the drain cycle means that the machine does not require cleaning by hand.

EASE OF USE

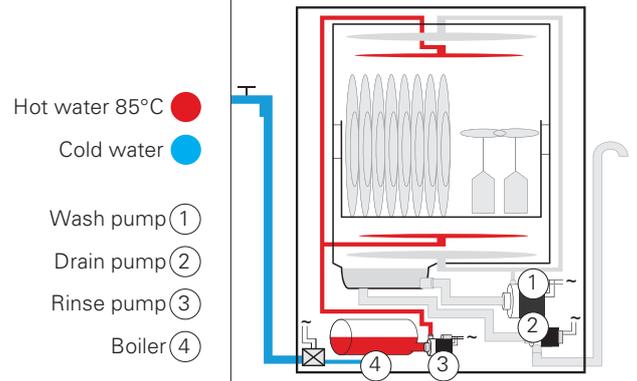
The 415 mm loading height, the intuitive display that simplifies the selection of the right program for each item to be washed and the counterbalanced door that prevents steam from escaping guarantee absolute ease of use.

FAST DRYING

The High Temperature Rinse system prevents cold mains water from entering the boiler during rinsing. The water that comes into contact with the dishes stays hot throughout the rinse cycle, thereby guaranteeing hygiene and fast drying.

CONSTANT WATER PRESSURE

The integrated rinse pump ensures a constant water flow pressure, irrespective of the mains water pressure, thus allowing optimal rotation speed of the rinse arms.



QUALITY RINSING AT 85°C

The high quality of the material of the control panel guarantees its resistance to wear and erosion by chemical agents.





CUSTOMISED WASHING
 Topline glass and dishwashers have three standard wash programs with various options so that you can select the most suitable program to wash any type of item.

SPECIAL GLASS FUNCTION
 This special function lowers the rinse temperature and reduces the wash cycle time keeping your glassware as good as new, even after multiple washes. To further improve results, Smeg offers an integrated water softener option.

SOFT START
 To prevent breaking or chipping more delicate items, the initial water jet is delivered at a lower pressure - Soft Start - and is then gradually increased to the full washing force.

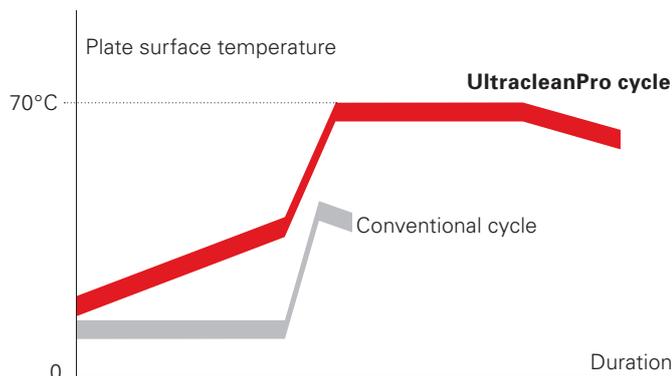


FLEXIBILITY

SILENT OPERATION

SANITISATION
 According to NSF sanitisation standards, the special UltracleanPro function - patented - activates a special sanitisation cycle subjecting the dishes to a prolonged heat treatment to remove the bacterial build-up. The plate surface remains at 70°C for at least one minute, guaranteeing the best hygiene.

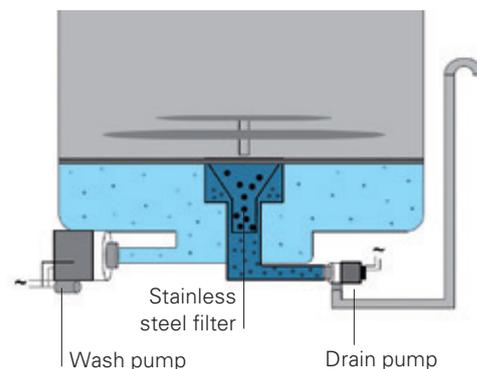
The double-skinned structure, the thermal-acoustic insulation of the wash chamber and the hydraulic circuit (optimised to prevent cavitation) make these glass and dishwashers the most silent in their class (50 DbA).





INTEGRATED FILTERING AND DRAINAGE SYSTEM

The combined action of the three-stage filtering system - patent pending - and the drain pump, enables the flow of dirty water to be separated and kept at the bottom of the tank until the end of the wash cycle when it is discharged. In this way, all of the clean rinse water remains in the tank.



WASHING: EXCELLENT PERFORMANCE

HYDRAULIC CIRCUIT EFFICIENCY

The Water Level Check (WLC) system ensures a steady flow of water and optimises pump operation. This keeps the water level in the tank under control, prevents cavitation and simultaneously ensures the most silent operation possible.



A three-stage water filtering system allows the collection of any residue in the central basket, which can be emptied at any time.



COUNTERBALANCED DOOR

The counterbalanced door and an ergonomic handle make it easy to open and close the machine.



GUARANTEED HYGIENE

EASY TO CLEAN

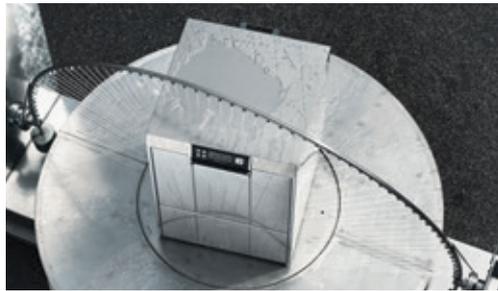
The careful design of the surfaces, the rounded corners of the tank, the inside of the door, the basket guides, and the absence of door-support tie-rods prevent grease and dirt from building up, thereby facilitating the cleaning process.

REDUCED STEAM

The perimeter seal and the special door-closing system prevent steam from escaping, thus helping to improve the working environment by making it healthier and more comfortable.



All Smeg professional glass and dishwashers can be installed in any environment: a series of technical solutions and the best materials guarantee absolute safety, even when steam or water is present.



SELF-DIAGNOSTICS

A modern self-diagnostic system signals any faults and enables targeted action by the technician.

RATIONALISATION OF SPARE PARTS

Many components are common to all Smeg glass and dishwashers, which makes spare part management and retrieval by technical service easier.

INFRARED COMMUNICATIONS PORT

The infrared communications port allows the downloading of the operating data, the last 10 error messages and the updating of the control and self-diagnostics software via a computer. This operation is useful for improving and maintaining dishwasher performance.

ACCESSIBILITY OF COMPONENTS.

All components are positioned so that they may be easily accessed by the operators.

SAFETY STANDARDS:
IPX4

In compliance with the CEI EN 60529 standard, careful design has ensured IPX4 certification, the highest degree of waterproof protection in Smeg glass and dishwashers. In addition, all Smeg glass and dishwashers conform to the most rigorous IEC construction and safety standards.

350,000 OPEN/CLOSE
CYCLES TESTED

The door hinges and opening system have undergone thorough fatigue testing that guarantees maximum robustness and strength.

STAINLESS STEEL

The tank, wash arms, rinse arms as well as the bodywork and the back panel, are made entirely of AISI 304 stainless steel to guarantee a longer life.

ANTI-BACKFLOW
DEVICE

The anti-backflow device conforms to European directives and prevents dirty water from flowing back into the mains water supply in the event of a pressure drop.

TOTAL AQUASTOP

This system is installed in Greenline models and prevents any accidental damage caused by water leaks in the machine or along the feed pipe.

STRENGTH RELIABILITY



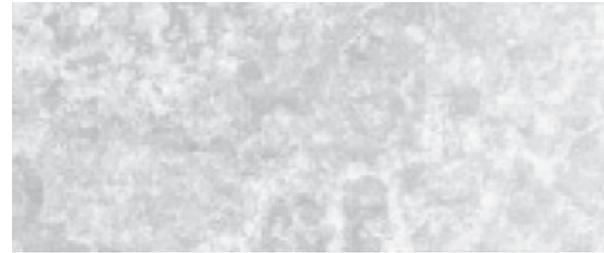
The drain pump can be easily inspected through a door positioned in the tank allowing fast cleaning without the need for the assistance of technical staff.

**SMEG REVERSE OSMOSIS
TREATMENT UNIT**
ELIMINATES SALTS, ORGANIC
SUBSTANCES AND BACTERIA FOR
OUTSTANDING HYGIENE AND
SPARKLE

The reverse osmosis treatment unit produces demineralised and purified water from which 99% of the salts, organic substances and bacteria have been eliminated. The reverse osmosis treatment unit is equipped with flow and pressure control devices, a membrane flushing circuit and an electronic control panel with conductivity sensor that constantly monitors the water quality.



Using the reverse osmosis unit prevents impurities from depositing on the surface of the glasses and dishes so that they no longer need to be polished after drying.



**SMEG WATER
SOFTENER**
REMOVES CALCIUM
AND MAGNESIUM

The Smeg water softener treats water by passing it through a bed of resins where calcium and magnesium salts are removed.



I N T E G R A T E D W A S H S Y S T E M

AS WELL AS MODELS WITH INTEGRATED WATER SOFTENER, SMEG OFFERS SPECIFIC ACCESSORIES DEDICATED TO WATER TREATMENT.

The use of a mains water treatment system makes it possible to remove agents that compromise the wash result by causing halos on cutlery and glassware and leaving scale deposits inside the machine, thus lowering the efficiency of the heating elements and increasing electrical energy consumption. This purification system reduces detergent and rinse aid costs by up to 70%, since consumption of these agents depends largely on the hardness of the water.



ACCESSORIES

BASKETS IN FILLED POLYPROPYLENE

Basket for plates

PB50D01 for 18 items of 25cm Ø
dimensions 500 x 500 mm



Universal flat-bottomed basket

PB50G01
dimensions 500 x 500 mm



Cutlery baskets

PHOOS01

Single-compartment

PHOOS02

Six-compartment



BASKETS IN RILSAN-COATED WIRE

Basket for plates

WB50D01

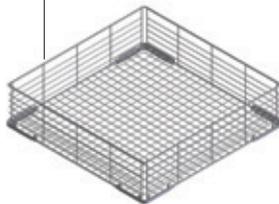
For 18 items of 25cm Ø and trays
dimensions 500 x 500 mm



Universal flat-bottomed coarse-mesh basket

WB50G01

dimensions 500 x 500 mm



Angled basket for stem glasses

WB50G02 for stem glasses of max. 90 mm Ø
WB50G03 for stem glasses of max. 72 mm Ø
WB50G04 for stem glasses of max. 135 mm Ø
dimensions 500 x 500 mm

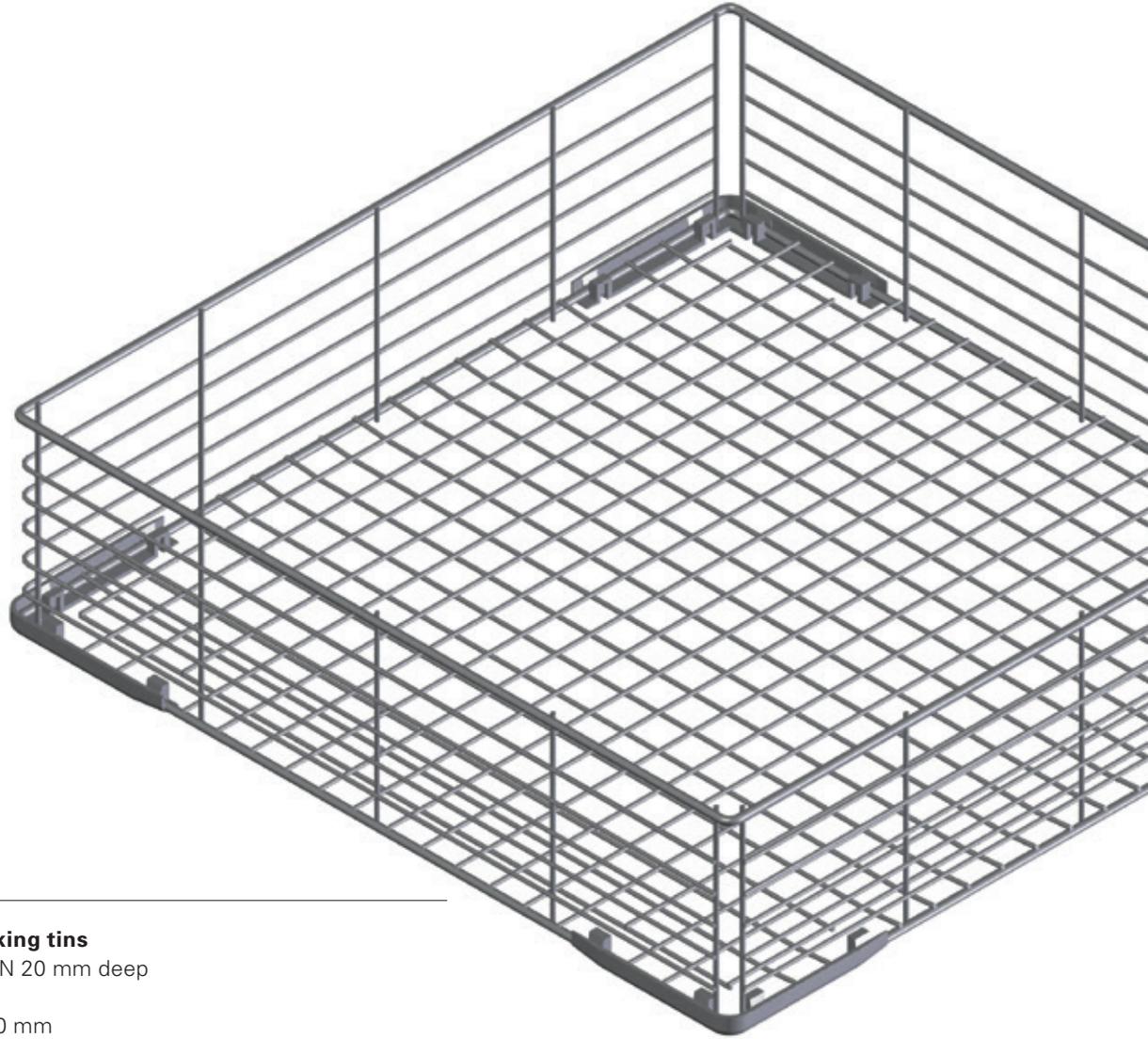


STAND

WP02

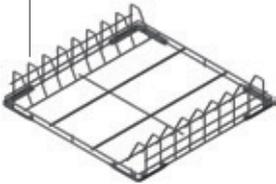
dimensions WxDxH
600 x 600 x 500 mm





Basket for trays/baking tins

WB50T02 for 7 1/1 GN 20 mm deep
baking tins
dimensions 500 x 500 mm



TECHNICAL DATA

	GREENLINE			
	CWG530DE	CWG530SDE	CW531DE	CW531SDE
Control type	electronic	electronic	electronic	electronic
Basket dimensions (mm)	500x500	500x500	500x500	500x500
Baskets/hour *	60/40/24/15	60/40/24/15	60/40/24/15	60/40/24/15
Programs	7	7	7	7
Glass cycle	•	•	•	•
ULTRA CLEAN PRO cycle	•	•	•	•
Standby function	•	•	•	•
HTR system	•	•	•	•
Soft start	•	•	•	•
Aquastop	•	•	•	•
Automatic tank washing on drain down	•	•	•	•
Filter sensor	•	•	•	•
Wash arms	2 - AISI 304 stainless steel			
Rinse arms	2 - AISI 304 stainless steel			
Integral water softener	-	•	-	•
DHR heat exchanger	•	•	•	•
Drain system (integrated pump and filter)	•	•	•	•
Rinse pump	•	•	•	•
Thermal-acoustic insulation	door/wash chamber /bodywork	door/wash chamber /bodywork	door/wash chamber /bodywork	door/wash chamber /bodywork
Insulated boiler	•	•	•	•
Double skinned tank	•	•	•	•
Double skinned door	•	•	•	•
Rinse aid dispenser	peristaltic	peristaltic	peristaltic	peristaltic
Detergent dispenser	peristaltic	peristaltic	peristaltic	peristaltic
Doing Control	electronic	electronic	electronic	electronic
Non-return valve	•	•	•	•
WRAS approved	N/A	N/A	•	•
Useable loading height (mm)	415	415	415	415
Baskets provided	1 x WB50G01 1 x WB50G02 1 x PHOOS02	1 x WB50G01 1 x WB50G02 1 x PHOOS02	1 x PB50D01 1 x PB50G01 1 x PHOOS02	1 x PB50D01 1 x PB50G01 1 x PHOOS02
Wash tank capacity (l)	11	11	11	11
Boiler capacity (l)	6	6	6	6
Rinse water consumption per cycle (litres)	2.7	2.7	2.7	2.7
Power supply/ Electrical connection / Total power installed	400V 50 Hz 3N/ 5.7 kW 230V 50Hz 1N/ 5.7 kW* 230V 50Hz 1N/ 4.0 kW 230V 50Hz 1N/2.4 kW	400V 50 Hz 3N/ 5.7 kW 230V 50Hz 1N/ 5.7 kW* 230V 50Hz 1N/ 4.0 kW 230V 50Hz 1N/2.4 kW	400V 50 Hz 3N/ 5.7 kW 230V 50Hz 1N/ 5.7 kW* 230V 50Hz 1N/ 4.0 kW 230V 50Hz 1N/2.4 kW	400V 50 Hz 3N/ 5.7 kW 230V 50Hz 1N/ 5.7 kW* 230V 50Hz 1N/ 4.0 kW 230V 50Hz 1N/2.4 kW
Boiler heating element (kW)	5	5	5	5
Tank heating element (kW)	0.8	0.8	0.8	0.8
Wash pump (kW)	0.7	0.7	0.7	0.7
Outside dimensions WxDxH (mm)	600 x 660 x 820			
Min/max inlet water pressure (bar)	1-6	1-6	1-6	1-6
Weight (kg - net / gross)	78/86	81/89	78/86	81/89

* default factory setting

WATER TREATMENT SYSTEM

SOFTENER	
WS02E Electronic*	
Maximum intake water hardness (°F)	60
Hourly production (l/h)	1600
Water accumulation tank capacity	-
Max. intake water temperature (°C)	60
Min/max intake water pressure (bar)	1 / 10
Output mixer valve	•
Conductivity sensor	-
Regeneration cycle	Automatic
Output water conductivity (µS/cm)	-
Inlet water pretreatment	-
Outside dimensions WxDxH (mm)	318x372x548
Power supply / Total power installed (Kw)	230V, 50Hz single-phase / 0.03

* Integrated resin disinfection system (Law Decree 443/90)

**Production and conductivity depend on the chemical characteristics of the inlet water and the membrane state (blocked/unblocked)

*** WO-04, Expansion tank usable capacity 8 Lt/ WO-03, Expansion tank usable capacity 6 Lt

PROFESSIONAL DISHWASHERS

	TO PLINE			
	CWG520D	CWG520SD	CW521D	CW521SD
Control type	electronic	electronic	electronic	electronic
Basket dimensions (mm)	500x500	500x500	500x500	500x500
Baskets/hour *	60/40/24/15	60/40/24/15	60/40/24/15	60/40/24/15
Programs	7	7	7	7
Glass cycle	•	•	•	•
ULTRA CLEAN PRO cycle	•	•	•	•
Standby function	•	•	•	•
HTR system	•	•	•	•
Soft start	•	•	•	•
Aquastop	-	-	-	-
Automatic tank washing on drain down	•	•	•	•
Filter sensor	•	•	•	•
Wash arms	2 - AISI 304 stainless steel			
Rinse arms	2 - AISI 304 stainless steel			
Integral water softener	-	•	-	•
DHR heat exchanger	-	-	-	-
Drain system (integrated pump and filter)	•	•	•	•
Rinse pump	•	•	•	•
Thermal-acoustic insulation	door/wash chamber	door/wash chamber	door/wash chamber	door/wash chamber
Insulated boiler	•	•	•	•
Double skinned tank	•	•	•	•
Double skinned door	•	•	•	•
Rinse aid dispenser	peristaltic	peristaltic	peristaltic	peristaltic
Detergent dispenser	peristaltic	peristaltic	peristaltic	peristaltic
Doing Control	electronic	electronic	electronic	electronic
Non-return valve	•	•	•	•
WRAS approved	N / A	N / A	•	•
Useable loading height (mm)	415	415	415	415
Baskets provided	1 x WB50G01 1 x WB50G02 1 x PHOOS02	1 x WB50G01 1 x WB50G02 1 x PHOOS02	1 x PB50D01 1 x PB50G01 1 x PHOOS02	1 x PB50D01 1 x PB50G01 1 x PHOOS02
Wash tank capacity (l)	11	11	11	11
Boiler capacity (l)	6	6	6	6
Rinse water consumption per cycle (litres)	2.7	2.7	2.7	2.7
Power supply/ Electrical connection / Total power installed	400V 50 Hz 3N/ 5.7 kW 230V 50Hz 1N/ 5.7 kW* 230V 50Hz 1N/ 4.0 kW 230V 50Hz 1N/2.4 kW	400V 50 Hz 3N/ 5.7 kW 230V 50Hz 1N/ 5.7 kW* 230V 50Hz 1N/ 4.0 kW 230V 50Hz 1N/2.4 kW	400V 50 Hz 3N/ 5.7 kW 230V 50Hz 1N/ 5.7 kW* 230V 50Hz 1N/ 4.0 kW 230V 50Hz 1N/2.4 kW	400V 50 Hz 3N/ 5.7 kW 230V 50Hz 1N/ 5.7 kW* 230V 50Hz 1N/ 4.0 kW 230V 50Hz 1N/2.4 kW
Boiler heating element (kW)	5	5	5	5
Tank heating element (kW)	0.8	0.8	0.8	0.8
Wash pump (kW)	0.7	0.7	0.7	0.7
Outside dimensions WxDxH (mm)	600x600x820	600x600x820	600x600x820	600x600x820
Min/max inlet water pressure (bar)	1 - 6	1 - 6	1 - 6	1 - 6
Weight (kg - net / gross)	65/73	68/76	65/73	68/76

* default factory setting

REVERSE OSMOSIS TREATMENT UNITS

WO-01	WO-04	WO-03	WO-02
40	40	40	40
150 **	80 /120 **	60 / 80 **	100 **
30	24 ***	18 ***	-
30	30	30	30
1.5 /6	1.5 /6	1.5 /6	1.5 /6
-	-	-	-
•	•	•	-
-	-	-	-
5-30 **	5-30 **	5-30 **	5-30 **
Active carbon filters	Active carbon filters	Active carbon filters	Active carbon filters
376x600x814	300x462x688	275x500x460	424x120x472
230V, 50Hz single-phase / 0.45	230V, 50Hz single-phase / 0.25	230V, 50Hz monofase / 0.15	230V, 50Hz single-phase / 0.15

CONTINUOUS RESEARCH

Smeg has always designed and manufactured excellent products offering the best performance





UNI EN ISO 9001
9130-Smeg



UNI EN ISO 14001
9191-SME2



OHSAS 18001
9192-SME3



Smeg (UK) Ltd, 3A Park Square, Milton Park, Abingdon, Oxfordshire, OX14 4RN Tel - 0844 5731370 Fax - 0844 5574355
www.smegfoodservice.com/uk foodservice@smeguk.com



GREENLINE



TOPLINE