



## Product brochure



**SILANOS**  
QUALITY MADE EASY





**SILANOS**  
QUALITY MADE EASY



**Product brochure**

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## Optional list

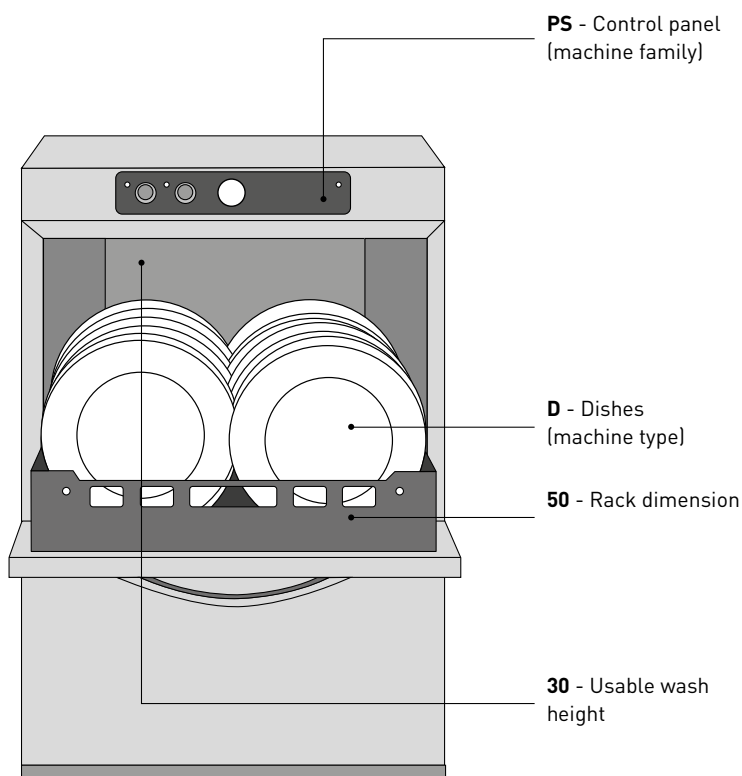
- D** - Peristaltic detergent dispenser
- B** - Peristaltic rinse aid dispenser
- H** - Break Tank\* (HY-NRG)
- A** - Water softener\*
- S** - Drain pump
- M** - Single-phase
- T** - Three-phase
- O** - Osmosis\*\*
- V** - Heat recovery (CRV)
- C** - Upper control panel
- L** - Upper wash arm
- W** - Wi-Fi
- F** - Cold water inlet
- R** - Superinse
- P** - Balanced door
- K** - Beer Cycle (cold rinse)
- \* Strictly supplied with B add-on
- \*\* Strictly supplied with B and H add-ons

**D** Optional add-on

**D** Standard add-on

## Machine name

Please find the explanation of the machine name **PS D50-30** below.



### Range:

- PS - Professional
- DS - Digital
- XS - Extra
- VS - Evolution

### Type:

- G - Glasswasher
- D - Frontloading dishwasher
- H - Passthrough dishwasher
- P - Potwasher

### Rack dimension:

- 35 - 350x350 mm
- 40 - 400x400 mm
- 45 - 450x450 mm
- 50 - 500x500 mm

### Usable wash height (ex.):

- 19 - 190 mm
- 40 - 400 mm

### External machine dimensions:

- Width x depth x height

# Company

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## Who we are

Silanos was founded in 1964 and established itself from the very beginning as the European market leader in the field of professional washing.

After 55 years we continue to grow thanks to our experience and the ability to renew ourselves.

We produce over 30,000 dishwashers and washing accessories per year and offer a wide range of products, from the most compact glasswasher to the most powerful 9,000-plates/hour flight conveyor dishwasher.

Our production is strictly "Made in Italy" and manufactured exclusively in our factory in Pioltello, in the province of Milan.

## Quality and safety

We believe that quality, i.e. perfect washing and machine safety, must be certified and guaranteed.

This is why we are certified in accordance with ISO 9001:2015, which is the internationally recognized standard for quality management systems of companies, and since 2009 we have also had the voluntary GS-TÜV mark, i.e. the voluntary certification mark that is affixed to the finished product and guarantees our dishwashers.

We are a fully vertically integrated company: our dishwashers are completely manufactured in our factory, starting from the sheet of stainless steel right through to the finished product. This enables us to carry out strict quality control and check every production phase.

The functional testing for each machine includes meticulous inspections and specific safety routine tests. Our dishwashers can only be delivered after they have passed scrupulous and accurate tests.

UNI EN ISO 9001:2015



SISTEMA DI GESTIONE  
QUALITÀ CERTIFICATO



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## Innovation

We design each dishwasher in-house and constantly invest in research and development to further improve the quality and performance of our products. Thanks to the innovative production plant where our bodies are manufactured, we can say that we are one of the most technologically advanced companies in our industrial sector.

In fact, we have created an entire line of customized production at the highest possible technological level, which aims to create high-performance products in a very short time.

## Sustainability

Environmental awareness must correspond to tangible facts: we cover 100% of our energy requirements with the photovoltaic system installed in our production site.

The use of solar panels enables us to obtain hot water to test our dishwashers when they leave the production line.

Furthermore, there are a number of charging stations for electric cars on the parking lot for our guests and employees.

And we have of course developed devices reducing electricity and water consumption in our machines - with one goal: high performance with low power consumption.

## Excellence

As demonstration of our quest for excellence, Silanos has been rewarded as a company that has distinguished itself at national level for its strategy, competence and innovation, commitment and corporate culture, governance and performance, internationalization and sustainability. As a matter of fact, we were awarded with the prestigious "Best Managed Companies" award.



# Our 4 ranges

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An efficient dishwasher must give a perfect washing result even when dirt is very difficult to remove, though always taking into account the correct use of available resources: water and energy.

Just like our machines, which guarantee powerful cleaning and low consumptions: 4 complete and versatile ranges of glass washers, front-loading dishwashers and passthrough dishwashers for gastronomy professionals.







# Professional

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The **Professional** series dishwashers have been designed to be robust and ease to use. They are versatile, user-friendly, compact and efficient whilst cutting down on consumptions of energy, water and chemical products.

## Quality and robustness

- Simple and solid mechanical control panel
- Wash arms made of environmentally sustainable, long-lasting steel
- Double-skinned doors
- Wash tank volume completely made of stainless steel AISI 304
- Compact design for space optimization

## Performance

- Exclusive wash pumps fixed directly to the bottom of the tank and effective double filter system in the tank
- The pump power is perfectly balanced by the special washing arms, hence making the washing mechanical action effective
- Passthrough dishwashers with self-draining wash pumps
- Independent rotating wash and rinse arms. The deep-drawn arms guarantee high washing and rinsing power thanks to the nozzles arranged at different angles
- Integrated membrane rinse aid dispenser



**PS G35-20**

Glasswasher



**PS G35-25**

Glasswasher



Control panel	<b>Electromechanical</b>
Body	<b>Single-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>415x465x595</b> mm
Depth with open door	<b>710</b> mm
Usable wash height	<b>205</b> mm
Door height	<b>220</b> mm
Rack dimensions	<b>350x350</b> mm
Wash tank volume	<b>11</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.17</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.6</b> kW
Total installed power	<b>2.77</b> kW
Cycles	<b>120</b> sec
Hourly production	<b>30</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>25</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 universal rack and 1 cutlery rack.



Price	<b>1,267 €</b>
Ref	<b>E35</b>

Control panel	<b>Electromechanical</b>
Body	<b>Single-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>415x465x645</b> mm
Depth with open door	<b>760</b> mm
Usable wash height	<b>255</b> mm
Door height	<b>270</b> mm
Rack dimensions	<b>350x350</b> mm
Wash tank volume	<b>11</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.17</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.6</b> kW
Total installed power	<b>2.77</b> kW
Cycles	<b>120</b> sec
Hourly production	<b>30</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>26</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 universal rack and 1 cutlery rack.



Price	<b>1,329 €</b>
Ref	<b>E35H</b>

**PS G40-25**

Glasswasher

**PS G40-30**

Glasswasher



Control panel	<b>Electromechanical</b>
Body	<b>Single-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>465x510x645</b> mm
Depth with open door	<b>810</b> mm
Usable wash height	<b>255</b> mm
Door height	<b>270</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>12</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.17</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>2.97</b> kW
Cycles	<b>120</b> sec
Hourly production	<b>30</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>30</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 universal rack and 1 cutlery rack.



Price	<b>1,483 €</b>
Ref	<b>E40</b>

Control panel	<b>Electromechanical</b>
Body	<b>Single-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>465x510x695</b> mm
Depth with open door	<b>855</b> mm
Usable wash height	<b>305</b> mm
Door height	<b>320</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>12</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.17</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>2.97</b> kW
Cycles	<b>120</b> sec
Hourly production	<b>30</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>31</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 universal rack and 1 cutlery rack.



Price	<b>1,576 €</b>
Ref	<b>E40H</b>

**PS G40-28**

Glasswasher



**PS D45-30**

Frontloading dishwasher



Control panel	<b>Electromechanical</b>
Body	<b>Single-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>465x510x695</b> mm
Depth with open door	<b>855</b> mm
Usable wash height	<b>280</b> mm
Door height	<b>295</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>12</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.27</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>3.07</b> kW
Cycles	<b>120</b> sec
Hourly production	<b>30</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>31</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 universal rack and 1 cutlery rack.



Price	<b>1,669 €</b>
Ref	<b>E40HL</b>

Control panel	<b>Electromechanical</b>
Body	<b>Single-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>515x550x800</b> mm
Depth with open door	<b>928</b> mm
Usable wash height	<b>295</b> mm
Door height	<b>320</b> mm
Rack dimensions	<b>450x450</b> mm
Wash tank volume	<b>21</b> lt
Water usage	<b>2.6</b> lt/cycle
Wash pump	<b>0.4</b> kW
Tank element	<b>2.5</b> kW
Boiler element	<b>4.5</b> kW
Total installed power	<b>4.9</b> kW
Cycles	<b>180</b> sec
Hourly production	<b>20</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>62</b> dBA
Weight	<b>39</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 dish rack (14 d.), 1 universal rack and 1 cutlery rack.



Price	<b>1,906 €</b>
Ref	<b>E45</b>

**PS D50-32**

Frontloading dishwasher



Control panel	<b>Electromechanical</b>
Body	<b>Single-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>565x610x825 mm</b>
Depth with open door	<b>995 mm</b>
Usable wash height	<b>320 mm</b>
Door height	<b>345 mm</b>
Rack dimensions	<b>500x500 mm</b>
Wash tank volume	<b>23 lt</b>
Water usage	<b>2.6 lt/cycle</b>
Wash pump	<b>0.4 kW</b>
Tank element	<b>2.5 kW</b>
Boiler element	<b>4.5 kW</b>
Total installed power	<b>4.9 kW</b>
Cycles	<b>180 sec</b>
Hourly production	<b>20 rack/h</b>
Voltage	<b>400 V/3N/50 Hz</b>
Noise level	<b>62 dBA</b>
Weight	<b>47 kg</b>

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 dish rack (18 d.), 1 universal rack and 1 cutlery rack.



Price	<b>1,936 €</b>
Ref	<b>E50</b>

**PS H50-40N**

Passthrough dishwasher



Control panel	<b>Electromechanical</b>
Body	<b>Single-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>655x785x1,480 mm</b>
Height hood open	<b>1,930 mm</b>
Usable wash height	<b>405 mm</b>
Door height	<b>430 mm</b>
Rack dimensions	<b>500x500 mm</b>
Wash tank volume	<b>20 lt</b>
Water usage	<b>2.6 lt/cycle</b>
Wash pump	<b>0.52 kW</b>
Tank element	<b>3 kW</b>
Boiler element	<b>6 kW</b>
Total installed power	<b>6.52 kW</b>
Cycles	<b>120/180 sec</b>
Hourly production	<b>30/20 rack/h</b>
Voltage	<b>400 V/3N/50 Hz</b>
Noise level	<b>62 dBA</b>
Weight	<b>105 kg</b>

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 dish rack (18 d.), 1 universal rack and 2 cutlery racks.



Price	<b>3,554 €</b>
Ref	<b>NE1000</b>

**PS H50-40NP**

Passthrough dishwasher



Control panel	<b>Electromechanical</b>
Body	<b>Single-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>655x785x1,480 mm</b>
Height hood open	<b>1,930 mm</b>
Usable wash height	<b>405 mm</b>
Door height	<b>430 mm</b>
Rack dimensions	<b>500x500 mm</b>
Wash tank volume	<b>30 lt</b>
Water usage	<b>2.6 lt/cycle</b>
Wash pump	<b>1.1 kW</b>
Tank element	<b>3 kW</b>
Boiler element	<b>6 kW</b>
Total installed power	<b>7.1 kW</b>
Cycles	<b>75/120/180 sec</b>
Hourly production	<b>48/30/20 rack/h</b>
Voltage	<b>400 V/3N/50 Hz</b>
Noise level	<b>68 dBA</b>
Weight	<b>108 kg</b>

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 dish rack (18 d.), 1 universal rack and 2 cutlery racks.



Price	<b>3,863 €</b>
Ref	<b>NE1300</b>





# Digital

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The **Digital** series guarantees superior performance with low consumptions and absolute reliability. Easy-to-use yet at the cutting edge of technology thanks to digital electronics, these machines have a range of customer selectable options that make them the ideal product for professional catering.

## Quality and robustness

- Wash arms made of environmentally sustainable, long-lasting steel
- Double-skinned doors
- Wash tank completely made of stainless steel AISI 304
- Double-skinned body further reducing noise and heat loss
- Deep-drawn basket holder rails with rounded corners
- Compact design for space optimisation

## Performance

- Simple, user friendly and complete digital control panel. 4 wash cycles and a function signalling LED system
- Exclusive wash pumps fixed directly to the bottom of the tank and effective double filter system in the tank
- The pump power is perfectly balanced by the special washing arms, hence making the washing mechanical action effective
- Self-draining wash pumps in the passthrough dishwashers
- Independent rotating wash and rinse arms. The deep-drawn arms guarantee particularly high washing and rinsing performance thanks to the nozzles arranged at different angles
- Integrated membrane rinse aid dispenser



**DS G35-20**

Glasswasher

**DS G35-25**

Glasswasher



Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>423x466x589</b> mm
Depth with open door	<b>710</b> mm
Usable wash height	<b>205</b> mm
Door height	<b>220</b> mm
Rack dimensions	<b>350x350</b> mm
Wash tank volume	<b>11</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.17</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.6</b> kW
Total installed power	<b>2.77</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>26</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 universal racks and 1 cutlery rack.



Price	<b>1,421 €</b>
Ref	<b>S021</b>

Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>423x466x639</b> mm
Depth with open door	<b>760</b> mm
Usable wash height	<b>255</b> mm
Door height	<b>270</b> mm
Rack dimensions	<b>350x350</b> mm
Wash tank volume	<b>11</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.17</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.6</b> kW
Total installed power	<b>2.77</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>27</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 universal racks and 1 cutlery rack.



Price	<b>1,514 €</b>
Ref	<b>S025</b>

**DS G40-25**

Glasswasher

**DS G40-30**

Glasswasher



Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>473x513x639</b> mm
Depth with open door	<b>805</b> mm
Usable wash height	<b>255</b> mm
Door height	<b>270</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>14</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.17</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>2.97</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>33</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 universal racks and 1 cutlery rack.



Price	<b>1,669 €</b>
Ref	<b>S026</b>

Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>473x513x689</b> mm
Depth with open door	<b>855</b> mm
Usable wash height	<b>300</b> mm
Door height	<b>315</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>14</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.17</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>2.97</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230V/50Hz</b>
Noise level	<b>48</b> dBA
Weight	<b>34</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 universal racks and 1 cutlery rack.



Price	<b>1,772 €</b>
Ref	<b>S030</b>

**DS G40-28**

Glasswasher

**DS G45-30**

Glasswasher



Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>473x513x689</b> mm
Depth with open door	<b>855</b> mm
Usable wash height	<b>280</b> mm
Door height	<b>295</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>14</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.27</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>3.07</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>34</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 dish rack (8 d.), 1 universal rack and 1 cutlery rack.



Price	<b>1,978 €</b>
Ref	<b>S28</b>

Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>523x542x689</b> mm
Depth with open door	<b>885</b> mm
Usable wash height	<b>300</b> mm
Door height	<b>315</b> mm
Rack dimensions	<b>450x450</b> mm
Wash tank volume	<b>18</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.27</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>3.07</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>44</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 universal racks and 1 cutlery rack.



Price	<b>1,854 €</b>
Ref	<b>S045</b>

**DS G50-30**

Glasswasher

**DS D45-30**

Frontloading dishwasher



Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>573x611x689</b> mm
Depth with open door	<b>945</b> mm
Usable wash height	<b>300</b> mm
Door height	<b>315</b> mm
Rack dimensions	<b>500x500</b> mm
Wash tank volume	<b>20</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.27</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>3.07</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>49</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 universal racks and 1 cutlery rack.



Price	<b>1,957 €</b>
Ref	<b>S050</b>

Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>532x550x800</b> mm
Depth with open door	<b>920</b> mm
Usable wash height	<b>295</b> mm
Door height	<b>320</b> mm
Rack dimensions	<b>450x450</b> mm
Wash tank volume	<b>21</b> lt
Water usage	<b>2.6</b> lt/cycle
Wash pump	<b>0.4</b> kW
Tank element	<b>2.5</b> kW
Boiler element	<b>4.5</b> kW
Total installed power	<b>4.9</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>62</b> dBA
Weight	<b>51</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 dish racks (14 d.), 1 universal rack and 1 cutlery rack.



Price	<b>2,153 €</b>
Ref	<b>N600</b>

**DS D50-32**

Frontloading dishwasher



Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>582x610x822 mm</b>
Depth with open door	<b>990 mm</b>
Usable wash height	<b>320 mm</b>
Door height	<b>345 mm</b>
Rack dimensions	<b>500x500 mm</b>
Wash tank volume	<b>23 lt</b>
Water usage	<b>2.6 lt/cycle</b>
Wash pump	<b>0.4 kW</b>
Tank element	<b>2.5 kW</b>
Boiler element	<b>4.5 kW</b>
Total installed power	<b>4.9 kW</b>
Cycles	<b>60/120/180/480 sec</b>
Hourly production	<b>60/30/20/8 rack/h</b>
Voltage	<b>400 V/3N/50 Hz</b>
Noise level	<b>62 dBA</b>
Weight	<b>54 kg</b>

**Supplied with:** 1 inlet hose, 1 drain hose,  
1 transparent rinse aid hose. 2 dish racks (18 d.),  
1 universal rack and 1 cutlery rack.



Price	<b>2,256 €</b>
Ref	<b>N700</b>

**DS H50-40N**

Passthrough dishwasher

**DS H50-40NP**

Passthrough dishwasher



Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>655x785x1,500 mm</b>
Height hood open	<b>1,950 mm</b>
Usable wash height	<b>405 mm</b>
Door height	<b>430 mm</b>
Rack dimensions	<b>500x500 mm</b>
Wash tank volume	<b>20 lt</b>
Water usage	<b>2.6 lt/cycle</b>
Wash pump	<b>0.52 kW</b>
Tank element	<b>3 kW</b>
Boiler element	<b>6 kW</b>
Total installed power	<b>6.52 kW</b>
Cycles	<b>60/120/180/480 sec</b>
Hourly production	<b>60/30/20/8 rack/h</b>
Voltage	<b>400 V/3N/50 Hz</b>
Noise level	<b>63 dBA</b>
Weight	<b>117 kg</b>

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 dish racks (18 d.), 1 universal rack and 2 cutlery racks.



Price	<b>4,172 €</b>
Ref	<b>N1000</b>

Control panel	<b>Electronic Digit2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Technopolymer</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>655x785x1,500 mm</b>
Height hood open	<b>1,950 mm</b>
Usable wash height	<b>405 mm</b>
Door height	<b>430 mm</b>
Rack dimensions	<b>500x500 mm</b>
Wash tank volume	<b>30 lt</b>
Water usage	<b>2.6 lt/cycle</b>
Wash pump	<b>1.1 kW</b>
Tank element	<b>3 kW</b>
Boiler element	<b>6 kW</b>
Total installed power	<b>7.1 kW</b>
Cycles	<b>60/120/180/480 sec</b>
Hourly production	<b>60/30/20/8 rack/h</b>
Voltage	<b>400 V/3N/50 Hz</b>
Noise level	<b>69 dBA</b>
Weight	<b>120 kg</b>

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 dish racks (18 d.), 1 universal rack and 2 cutlery racks.



Price	<b>4,635 €</b>
Ref	<b>N1300</b>



# Extra

---

The new **Extra** series is the natural evolution of our dishwashers. Extra is the result of our 55 years of experience in washing and complements a wide range of existing dishwashers with additional and superior features.

We made a highly technological and functional washing line simple and efficient.

## Quality and robustness

- Wash arms and rinse arms made of environmentally sustainable, long-lasting steel
- Balanced double-skinned doors
- Double-skinned body further reducing noise and heat loss
- Fully deep-drawn AISI 304 stainless wash tanks with rounded corners (XS G40-30, XS G40-28 and XS D50-32 models are semi deep-drawn)
- Deep-drawn basket holder rails with rounded corners
- Compact design for space optimisation

## Performance and innovation

- Innovative control panel with membrane push buttons and a multi-colored start button. The digital display offers 4 configurable washing programs
- In addition to the washing programs, the wash and rinse temperatures as well as the frequency of regeneration cycles can be set on the display. All settings can be adjusted via the technical menu
- For better implementation of the HACCP system, the wash and rinse temperatures are shown on the display, which also indicates the current functions and supports image diagnostics
- Management via probes for perfect temperature
- Reduced operating costs thanks to the **Economy** function which is automatically activated during work breaks
- Gentle **Soft Start** with reduced water pressure (only on frontloading dishwashers)
- Wash cycle delayed start function if the set minimum temperature is not reached
- Self-diagnosis of components in the event of a failure (checking individual components)
- Heating-element mode: selection of which heating element is to be heated first (boiler or tank)
- Increased system stability thanks to the activation of the heating element via a contactor protected circuit board
- Exclusive wash pumps fixed directly to the bottom of the tank and effective double filter system in the tank
- The pump power is perfectly balanced by the special washing arms, hence making the washing mechanical action effective
- Self-draining wash pumps in the passthrough dishwashers
- Independent rotating wash and rinse arms. The deep-drawn arms guarantee high washing and rinsing power thanks to the nozzles arranged at different angles
- System of adjustable peristaltic dosing devices for rinse aid (standard) and detergent (optional)



## XS G40-30

Glasswasher



## XS G40-28

Glasswasher



Control panel	<b>Electronic Digit3</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>473x513x689</b> mm
Depth with open door	<b>855</b> mm
Usable wash height	<b>300</b> mm
Door height	<b>315</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>14</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.17</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>2.97</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>34</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 universal racks and 1 cutlery rack.



Price	<b>2,009 €</b>
Ref	<b>S030</b>

Control panel	<b>Electronic Digit3</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>473x513x689</b> mm
Depth with open door	<b>855</b> mm
Usable wash height	<b>280</b> mm
Door height	<b>295</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>14</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.27</b> kW
Tank element	<b>1.6</b> kW
Boiler element	<b>2.8</b> kW
Total installed power	<b>3.07</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>48</b> dBA
Weight	<b>33</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 saucer basket (8 s.), 1 universal rack and 1 cutlery rack.



Price	<b>2,215 €</b>
Ref	<b>S28</b>

**XS G40-28N**

Glasswasher



Control panel	<b>Electronic Digit3</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>473x539x700</b> mm
Depth with open door	<b>840</b> mm
Usable wash height	<b>280</b> mm
Door height	<b>295</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>6</b> lt
Water usage	<b>2.4</b> lt/cycle
Wash pump	<b>0.37</b> kW
Tank element	<b>1.5</b> kW
Boiler element	<b>3</b> kW
Total installed power	<b>3.37</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>58</b> dBA
Weight	<b>39</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose,  
1 transparent rinse aid hose. 1 saucer basket (8 s.),  
1 universal rack and 1 cutlery rack.

**B L P D H A S T R K**

Price **2,596 €**  
Ref **N40**

## XS D50-32

Frontloading dishwasher



Control panel	<b>Electronic Digit3</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>582x610x822</b> mm
Depth with open door	<b>990</b> mm
Usable wash height	<b>320</b> mm
Door height	<b>345</b> mm
Rack dimensions	<b>500x500</b> mm
Wash tank volume	<b>23</b> lt
Water usage	<b>2.6</b> lt/cycle
Wash pump	<b>0.4</b> kW
Tank element	<b>2.5</b> kW
Boiler element	<b>4.5</b> kW
Total installed power	<b>4.9</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>62</b> dBA
Weight	<b>54</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 dish racks (18 d.), 1 universal rack and 1 cutlery rack.



Price	<b>2,524 €</b>
Ref	<b>N700</b>

## XS D50-37N

Frontloading dishwasher



Control panel	<b>Electronic Digit3</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>604x633x838</b> mm
Depth with open door	<b>1,072</b> mm
Usable wash height	<b>375</b> mm
Door height	<b>400</b> mm
Rack dimensions	<b>500x500</b> mm
Wash tank volume	<b>11</b> lt
Water usage	<b>2.6</b> lt/cycle
Wash pump	<b>0.55</b> kW
Tank element	<b>2</b> kW
Boiler element	<b>4.5</b> kW
Total installed power	<b>5.05</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>68</b> dBA
Weight	<b>58</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 dish racks (18 d.), 1 universal rack and 1 cutlery rack.



Price	<b>3,245 €</b>
Ref	<b>N50</b>

## XS H50-40N

Passthrough dishwasher



## XS H50-40NP

Passthrough dishwasher



Control panel	<b>Electronic Digit3</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>655x785x1,500</b> mm
Height hood open	<b>1,950</b> mm
Usable wash height	<b>405</b> mm
Door height	<b>430</b> mm
Rack dimensions	<b>500x500</b> mm
Wash tank volume	<b>20</b> lt
Water usage	<b>2.6</b> lt/cycle
Wash pump	<b>0.52</b> kW
Tank element	<b>3</b> kW
Boiler element	<b>6</b> kW
Total installed power	<b>6.52</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>63</b> dBA
Weight	<b>117</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 dish racks (18 d.), 1 universal rack and 2 cutlery racks.



Price	<b>4,584 €</b>
Ref	<b>N1000</b>

Control panel	<b>Electronic Digit3</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>655x785x1,500</b> mm
Height hood open	<b>1,950</b> mm
Usable wash height	<b>405</b> mm
Door height	<b>430</b> mm
Rack dimensions	<b>500x500</b> mm
Wash tank volume	<b>30</b> lt
Water usage	<b>2.6</b> lt/cycle
Wash pump	<b>1.1</b> kW
Tank element	<b>3</b> kW
Boiler element	<b>6</b> kW
Total installed power	<b>7.1</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>68</b> dBA
Weight	<b>120</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 dish racks (18 d.), 1 universal rack and 2 cutlery racks.



Price	<b>5,047 €</b>
Ref	<b>N1300</b>

# Evolution

---

**Evolution** is the highest expression of professional washing technology: intelligent water and temperature management, heat recovery and energy saving, steam extraction, integrated softening and osmosis. This product features a modern design and a particularly powerful technology, offering an incomparable performance. The device is always connected to both you and us via Wi-Fi (upon request).

## Quality and robustness

- Wash arms and rinse arms made of environmentally sustainable, long-lasting steel
- Balanced double-skinned doors
- Double-skinned body further reducing noise and heat loss
- Fully deep-drawn AISI 304 stainless steel wash tanks with rounded corners
- Deep-drawn basket holder rails with rounded corners
- Compact design for space optimisation
- Complete automation: tank cleaning cycle at the end of the working day, regeneration cycle and tank drainage are carried out automatically

## Performance and innovation

- Innovative electronic control panel with large 45x60 mm TFT colour display and high resolution; display of temperatures, work phases through images, machine status, time and any anomalies. 4 different illuminations to give simple and straightforward information about the machine status
- The pump power is perfectly balanced by the special washing arms, hence making the washing mechanical action effective
- Independent rotating wash and rinse arms. The deep-drawn rotating wash arms guarantee high performance thanks to the nozzles arranged at different angles. The rotating superinse arms in stainless steel are equipped with special nozzles for pressure optimisation
- Peristaltic dispensing system for rinse aid and detergent directly adjustable from the control panel
- Reduced water pressure wash cycle start system **Soft Start** (only on frontloading dishwashers)
- Recording of the washing cycles carried out daily and throughout the service life of the machine

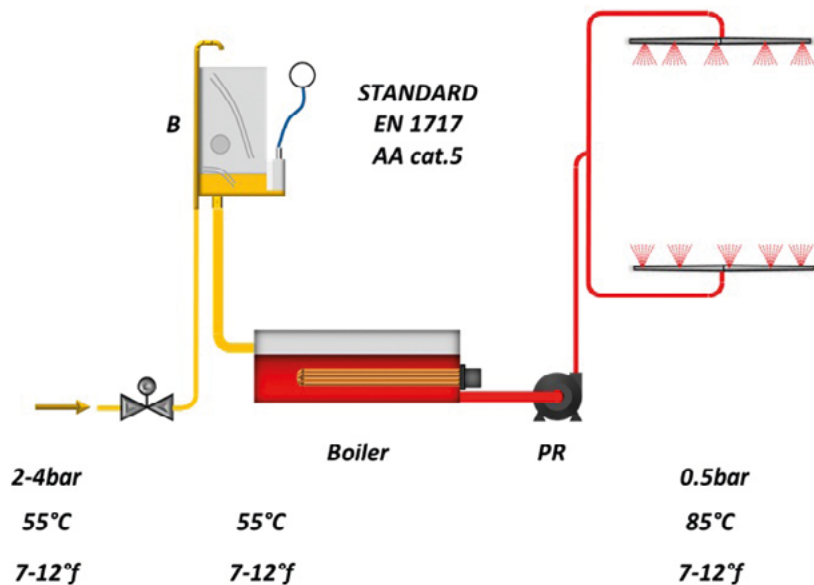
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## Sustainability

- Cost reduction through the **Economy** function, which is automatically activated during work breaks
- Innovative HY-NRG system controlling the washing process, temperatures, pressures and dispensing of chemicals

The pressure is controlled by the built-in rinse pump irrespective of the mains water pressure and the temperature is kept constant throughout all cycle phases thanks to the atmospheric boiler combined with a break tank. The internal booster pump provides the same amount of rinse water for each cycle at the same pressure. This way the consumption of water, electricity and chemicals can be optimally controlled.

## HY-NRG

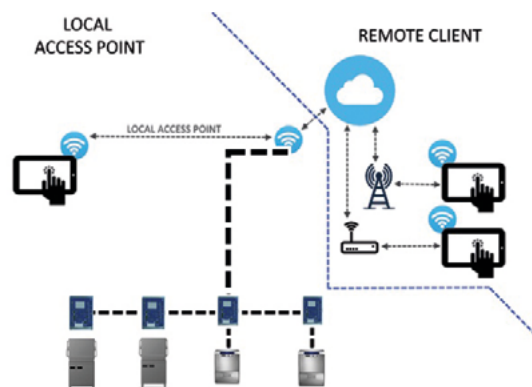




## Wi-Fi system (optional)

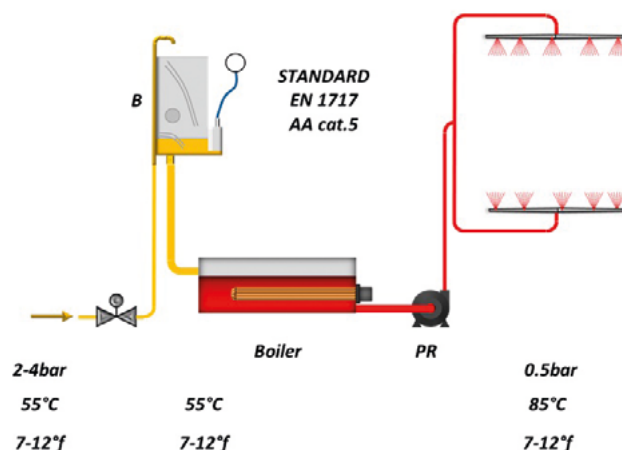
The management site collects information about the machines grouped by the customer and offers the following actions:

- Possibility to divide the machines installed into groups to be assigned to single service technicians
- Remote control for machine parameters (dispensing systems and washing programmes)
- Active e-mail alerts on the machine telemetric values
- Remote meter monitoring to verify the estimated consumption values of rinse aid and detergent
- Intervention planning per geographical area and calendar (intervention optimisation)
- Remote assistance with troubleshooting through step-by-step verification and pinpointing of the defective component
- Remote depannage assistance (in-line solution) through an active value/alert analysis of the machine
- Recording and printing of HACCP data



## Superinse stainless steel arms (optional)

The superinse stainless steel arms have special nozzles optimising the pressure generated by the HY-NRG system for a superior and extremely effective rinse result.



 Vs

Vs

## VS G40-28N

Glasswasher



## VS D45-37N

Frontloading dishwasher



Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>473x539x700</b> mm
Depth with open door	<b>840</b> mm
Usable wash height	<b>280</b> mm
Door height	<b>295</b> mm
Rack dimensions	<b>400x400</b> mm
Wash tank volume	<b>6</b> lt
Water usage	<b>2.2</b> lt/cycle
Wash pump	<b>0.37</b> kW
Tank element	<b>1.5</b> kW
Boiler element	<b>3</b> kW
Total installed power	<b>3.37</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>230 V/50</b> Hz
Noise level	<b>58</b> dBA
Weight	<b>39</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose, 1 red hose for detergent. 1 saucer basket (8 s.), 1 universal rack and 1 cutlery rack.

**D B H L P A W S T R K**

Price **3,437 €**  
Ref **N40**

Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>554x582x840</b> mm
Depth with open door	<b>1,017</b> mm
Usable wash height	<b>375</b> mm
Door height	<b>400</b> mm
Rack dimensions	<b>450x450</b> mm
Wash tank volume	<b>11</b> lt
Water usage	<b>2.3</b> lt/cycle
Wash pump	<b>0.55</b> kW
Tank element	<b>2</b> kW
Boiler element	<b>4.5</b> kW
Total installed power	<b>5.05</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>68</b> dBA
Weight	<b>54</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose, 1 red hose for detergent. 2 dish racks (14 d.), 1 universal rack and 1 cutlery rack.

**D B H L P A W S M R K**

Price **3,849 €**  
Ref **N45**

**VS D50-37N**

Frontloading dishwasher



Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>604x633x838</b> mm
Depth with open door	<b>1,072</b> mm
Usable wash height	<b>375</b> mm
Door height	<b>400</b> mm
Rack dimensions	<b>500x500</b> mm
Wash tank volume	<b>11</b> lt
Water usage	<b>2.3</b> lt/cycle
Wash pump	<b>0.55</b> kW
Tank element	<b>2</b> kW
Boiler element	<b>4.5</b> kW
Total installed power	<b>5.05</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>68</b> dBA
Weight	<b>58</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose, 1 red hose for detergent.  
2 dish racks (18 d.), 1 universal rack and 1 cutlery rack.

**D B H L P A W S M F R O K**

Price **3,952 €**  
Ref **N50**

**VS H50-40N**

Passthrough dishwasher

**VS H50-40NP**

Passthrough dishwasher



Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>655x785x1,500</b> mm
Height hood open	<b>1,950</b> mm
Usable wash height	<b>405</b> mm
Door height	<b>430</b> mm
Rack dimensions	<b>500x500</b> mm
Wash tank volume	<b>20</b> lt
Water usage	<b>2.3</b> lt/cycle
Wash pump	<b>0.52</b> kW
Tank element	<b>3</b> kW
Boiler element	<b>6</b> kW
Total installed power	<b>6.52</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>63</b> dBA
Weight	<b>117</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 dish racks (18 d.), 1 universal rack and 2 cutlery racks.

**B H L D A W S R M**

Price	<b>5,909 €</b>
Ref	<b>N1000</b>

Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>655x785x1,500</b> mm
Height hood open	<b>1,950</b> mm
Usable wash height	<b>405</b> mm
Door height	<b>430</b> mm
Rack dimensions	<b>500x500</b> mm
Wash tank volume	<b>30</b> lt
Water usage	<b>2.3</b> lt/cycle
Wash pump	<b>1.1</b> kW
Tank element	<b>3</b> kW
Boiler element	<b>6</b> kW
Total installed power	<b>7.1</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>69</b> dBA
Weight	<b>120</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 2 dish racks (18 d.), 1 universal rack and 2 cutlery racks.

**B H L D A W S O V F R C M**

Price	<b>6,218 €</b>
Ref	<b>N1300</b>

**VS H57-43NP**

Passthrough dishwasher

**VS H50-40NDP**

Passthrough dishwasher



Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>775x852x1,560</b> mm
Height hood open	<b>2,035</b> mm
Usable wash height	<b>435</b> mm
Door height	<b>460</b> mm
Rack dimensions	<b>570x620</b> mm
Wash tank volume	<b>30</b> lt
Water usage	<b>2.6</b> lt/cycle
Wash pump	<b>1.42</b> kW
Tank element	<b>3</b> kW
Boiler element	<b>6</b> kW
Total installed power	<b>7.42</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>69</b> dBA
Weight	<b>135</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 dish rack (24 d.), 1 baking-tray rack (9 p.), 1 universal rack and 2 cutlery racks.



Price	<b>8,948 €</b>
Ref	<b>N1300 XL</b>

Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>1,181x796x1,500</b> mm
Height hood open	<b>1,950</b> mm
Usable wash height	<b>405</b> mm
Door height	<b>430</b> mm
Rack dimensions	<b>2x 500x500</b> mm
Wash tank volume	<b>60</b> lt
Water usage	<b>4.7</b> lt/cycle
Wash pump	<b>2x 1.1</b> kW
Tank element	<b>7.5</b> kW
Boiler element	<b>20</b> kW
Total installed power	<b>22.2</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>69</b> dBA
Weight	<b>200</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 4 dish racks (18 d.), 2 universal racks and 4 cutlery racks.



Price	<b>12,038 €</b>
Ref	<b>N1300 Doppia</b>

# Potwashers

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Silanos warewashers are the ideal solution for pastry shops, butchers, restaurants, hotels, canteens and hospitals. Ideal for cleaning pans, pots, baskets, dishes, trays, gastronomic containers, crates, confectionery and butcher's plates.

## Quality and robustness

- Powerful, self-draining wash pumps and high-capacity booster pump
- Deep-drawn and inspectable rotating wash arms
- Additional side wash arms (LP67 - LP109)
- Removable steel filters covering the entire tank surface to protect the wash pumps
- AISI 304 stainless steel wash tank, body and components mounted in the wash tank
- The robust double-skinned wing doors are counterbalanced and offer a large opening width
- The body and doors are double-skinned and insulated to ensure energy savings and low noise levels
- Deep-drawn wash tank with rounded corners

## HY-NRG rinsing system

The rinsing process, temperatures and pressures are controlled by the innovative HY-NRG system and combined with the dispensing of chemical products. The pressure is controlled by the built-in rinse pump irrespective of the mains water pressure and the temperature is kept constant throughout all cycle phases thanks to the atmospheric boiler combined with a break tank.

## EVO Electronic control panel

Innovative electronic control panel with a large 45x60 mm colour TFT display with high-resolution animated graphics for a simple and user-friendly operation of the dishwasher.

- Display of temperatures, working phases via images, machine status, time and any anomalies
- 4 different illuminations to give simple and straightforward information about the machine status
- 4 preset and adjustable wash cycles for every type of dirt, individually adaptable to every need
- Automatic self-cleaning cycle of the tank at the end of the working day
- Possibility of setting the dispensing system directly from the control panel

## CRV heat recovery system (optional)

The heat recovery system with steam condenser - or CRV - converts the steam produced during the wash cycle into energy that heats the cold water used to supply the warewasher. In addition to the energy advantage, the CRV system is also more user-friendly: almost all the steam is drawn off and therefore not expelled from the machine when the door is opened at the end of the wash cycle. This prevents the formation of moisture in the area around the warewasher.

 Vs



## VS P57-42N

Potwashers and warewashers



Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>670x725x1,368</b> mm
Depth with open door	<b>1,190</b> mm
Usable wash height	<b>395</b> mm
Door height	<b>420</b> mm
Rack dimensions	<b>570x620</b> mm
Wash tank volume	<b>20</b> lt
Water usage	<b>2.6</b> lt/cycle
Wash pump	<b>0.52</b> kW
Tank element	<b>2.5</b> kW
Boiler element	<b>6</b> kW
Total installed power	<b>6.52</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>69</b> dBA
Weight	<b>80</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 dish rack (24 d.), 1 universal rack, 1 baking-tray rack (9 p.).



Price	<b>5,240 €</b>
Ref	<b>N800H</b>

## VS P57-62N

Potwashers and warewashers



Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>685x720x1,690</b> mm
Depth with open door	<b>1,860</b> mm
Usable wash height	<b>595</b> mm
Door height	<b>620</b> mm
Rack dimensions	<b>570x620</b> mm
Wash tank volume	<b>30</b> lt
Water usage	<b>2.6</b> lt/cycle
Wash pump	<b>1.42</b> kW
Tank element	<b>3</b> kW
Boiler element	<b>10</b> kW
Total installed power	<b>11.42</b> kW
Cycles	<b>60/120/180/480</b> sec
Hourly production	<b>60/30/20/8</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>69</b> dBA
Weight	<b>124</b> kg

**Supplied with:** 1 inlet hose, 1 drain hose, 1 transparent rinse aid hose. 1 dish rack (24 d.), 1 universal rack, 1 baking-tray rack (9 p.).



Price	<b>5,871 €</b>
Ref	<b>LP57</b>

## VS P67-86N

Potwashers and warewashers



Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>855x820x2,160</b> mm
Depth with open door	<b>2,440</b> mm
Usable wash height	<b>835</b> mm
Door height	<b>860</b> mm
Rack dimensions	<b>665x665</b> mm
Wash tank volume	<b>55</b> lt
Water usage	<b>4.5</b> lt/cycle
Wash pump	<b>3.2</b> kW
Tank element	<b>6</b> kW
Boiler element	<b>9</b> kW
Total installed power	<b>12.2</b> kW
Cycles	<b>180/360/540/600</b> sec
Hourly production	<b>20/10/7/6</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>73</b> dBA
Weight	<b>233</b> kg

**Supplied with:** 1 inlet hose.  
1 universal rack, 1 baking-tray rack (6 p.).



Price	<b>11,845 €</b>
Ref	<b>LP67H</b>

## VS P109-86N

Potwashers and warewashers



Control panel	<b>Electronic Evo2</b>
Body	<b>Double-skinned</b>
Rinse arm	<b>Stainless steel</b>
Wash arms	<b>Stainless steel</b>
External dimensions	<b>1,335x785x2,160</b> mm
Depth with open door	<b>2,440</b> mm
Usable wash height	<b>835</b> mm
Door height	<b>860</b> mm
Rack dimensions	<b>615x1,150</b> mm
Wash tank volume	<b>96</b> lt
Water usage	<b>8.0</b> lt/cycle
Wash pump	<b>4</b> kW
Tank element	<b>8</b> kW
Boiler element	<b>12</b> kW
Total installed power	<b>16</b> kW
Cycles	<b>180/360/540/600</b> sec
Hourly production	<b>20/10/7/6</b> rack/h
Voltage	<b>400 V/3N/50</b> Hz
Noise level	<b>73</b> dBA
Weight	<b>300</b> kg

**Supplied with:** 1 inlet hose.  
1 universal rack, 1 baking-tray rack (6 p.).



Price	<b>16,995 €</b>
Ref	<b>LP109H</b>

## Optionals

Code	Description	Price
<b>T</b>	Three-phase voltage	113.00 €
<b>M</b>	Single-phase voltage	62.00 €
<b>I</b>	Stainless steel arms (couple)	52.00 €
<b>A</b>	Water softener for glasswasher-dishwasher - PB	258.00 €
	Water softener - PB for hood machines	309.00 €
<b>S</b>	Drain pump	134.00 €
<b>D</b>	Peristaltic detergent dispenser	165.00 €
<b>B</b>	Peristaltic rinse aid dispenser	129.00 €
<b>H</b>	Booster pump - Break tank - Atmospheric boiler - PB (HY-NRG)	402.00 €
<b>V</b>	Heat recovery CRV	3,348.00 €
<b>O</b>	Reverse Osmosis	3,142.00 €
<b>W</b>	Wi-Fi	258.00 €
<b>F</b>	Cold water supply, boost. boiler dishw. 6kW, hood 10kW	103.00 €
<b>R</b>	Superinse (couple)	93.00 €
<b>C</b>	Hood upper control panel	361.00 €
<b>K</b>	Cold rinse (Beer Cycle)	93.00 €
<b>SCT36</b>	Support for round basket Ø36	30.00 €
<b>SCT41</b>	Support for round basket Ø41	37.00 €

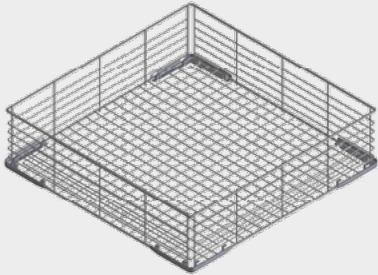

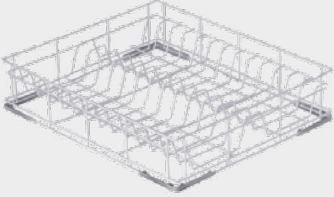
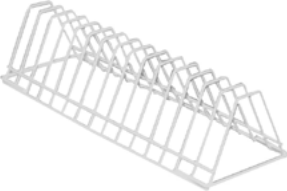
## Add-ons

Code	Description	Price	Size LxWxH (mm)	Weight (kg)
909375	Drain pump kit PS G - DS G	100.40 €	130x200x150	1.5
909390	Drain pump kit PS D - DS D	160.63 €	130x200x150	1.5
909378	Drain pump kit XS D - VS D	151.45 €	130x200x150	1.5
909409	Drain pump kit PS H - DS H - XS H - VS H	151.45 €	130x200x150	1.5

## Water treatment

Code	Description	Price	Size LxWxH (mm)	Weight (kg)
150101	Stainl. steel water softener 8 l	173.00 €	Ø 185x400	7.5
150201	Stainl. steel water softener 12 l	222.00 €	Ø 185x500	11.5
150301	Stainl. steel water softener 12 l	247.00 €	Ø 185x600	15.5
150704	Automatic water softener	876.00 €	250x460x485	12/13
880008	Reverse osmosis	3,565.00 €	180x435x486	23/25
907928	Carbon filter 20"	113.64 €	350x100x100	2.5/3
907931	Housing for carbon filter 20"	245.14 €	400x120x120	3.5/4
907927	Osmosis membrane	611.92 €	130x200x150	0.8/1

## Rilsan-coated wire rack

Code	Price	Size LxWxH (mm)	Plates	Model
901360	51.98 €	350x350x120		
901370	57.95 €	350x350x180		
901380	59.09 €	400x400x120		
901381	65.98 €	400x400x170		
901390	67.12 €	450x450x120		
901391	72.28 €	500x500x120		
901382	101.55 €	400x400x180	4 rows	
901383	113.59 €	450x450x180	4 rows	
901384	122.77 €	500x500x180	4 rows	
901590	59.09 €	400x400	8 plates	
901600	69.99 €	450x450	14 plates	
901610	72.28 €	500x500	18 plates	
903510	14.23 €	300x100	15 saucers	
903520	16.52 €	340x100	17 saucers	

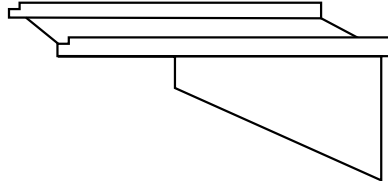
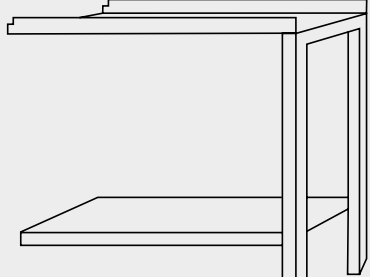
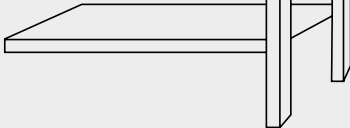
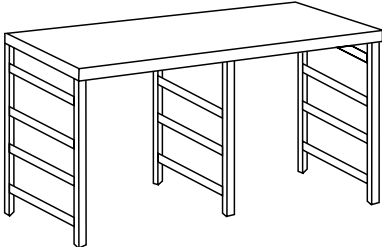
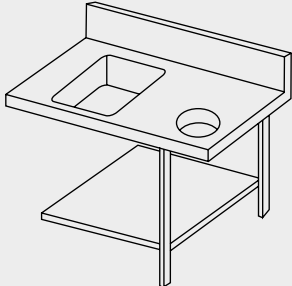
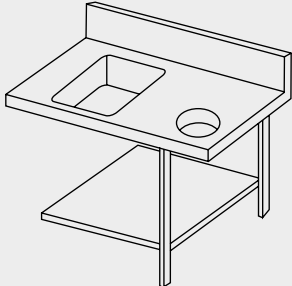
## Baskets in polypropylene

Code	Price	Size LxWxH (mm)	Plates	Model
901526	22.49 €	350x350x130		
908926	30.75 €	400x400x130		
901504	39.01 €	450x450x100		
901228	49.68 €	500x500x70		
901505	42.57 €	450x450	14 plates	
901230	49.68 €	500x500	18 plates	
901616	49.68 €	500x500	18 plates	
900540	3.56 €	130x60x110		
901621	3.56 €	85x85x130		
901281	41.43 €	Ø 360x140		
901284	41.43 €	Ø 410x170		

## KIT - Glass baskets

Code	Price	Size LxWxH (mm)	Glasses	Model
901618	51.98 €	500x500x70		
909058	20.09 €	500x500x50		
909061	16.52 €		16 - Ø110	
909059	16.52 €		25 - Ø85	
909060	16.52 €		36 - Ø70	
909062	16.52 €		49 - Ø60	

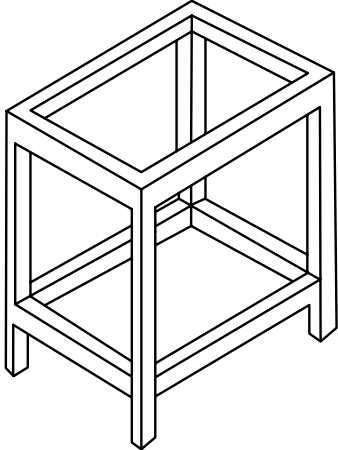
## Tables

Code	Size LxWxH (mm)	Weight (kg)	Price	Model
<b>250102</b> Top table	600x250	4.5	272.00 €	
<b>250205</b> Work table	630x520x865	9	457.00 €	
<b>250204</b> Work table	1,000x520x865	10	712.00 €	
<b>250207</b> Work table	1,300x520x865	10	935.00 €	
<b>550205 DX</b> <b>550206 SX</b> Work table	1,300x550x865	35	1,393.00 €	
<b>550310 DX</b> <b>550311 SX</b> Prewash table	1,200x700x865	31	1,084.00 €	



Code	Size LxWxH (mm)	Weight (kg)	Price	Model
<b>550312 DX</b> <b>550314 SX</b> Prewash table	1,200x700x865	31	1,060.00 €	
<b>509504</b> Pre-rinse unit	950	5	420.00 €	
<b>509506</b> Garbage trolley 50 l	Ø 400x560	8	578.00 €	

## Stands

Code	Size LxWxH (mm)	Weight (kg)	Price	Model
<b>350101</b> DS G35-20	435x450x500	4.5	273.00 €	
<b>350201</b> DS G40-28 XS G40-28	490x500x500	5	355.00 €	
<b>350701</b> VS D45-37N	540x545x500	5.5	476.00 €	
<b>350401</b> DS D45-30	540x545x500	5.5	476.00 €	
<b>350601</b> DS XS	D50-32 590x605x500 D50-32	6.5	496.00 €	
<b>350801</b> XS VS	D50-37N 590x605x500 D50-37N	6.5	496.00 €	

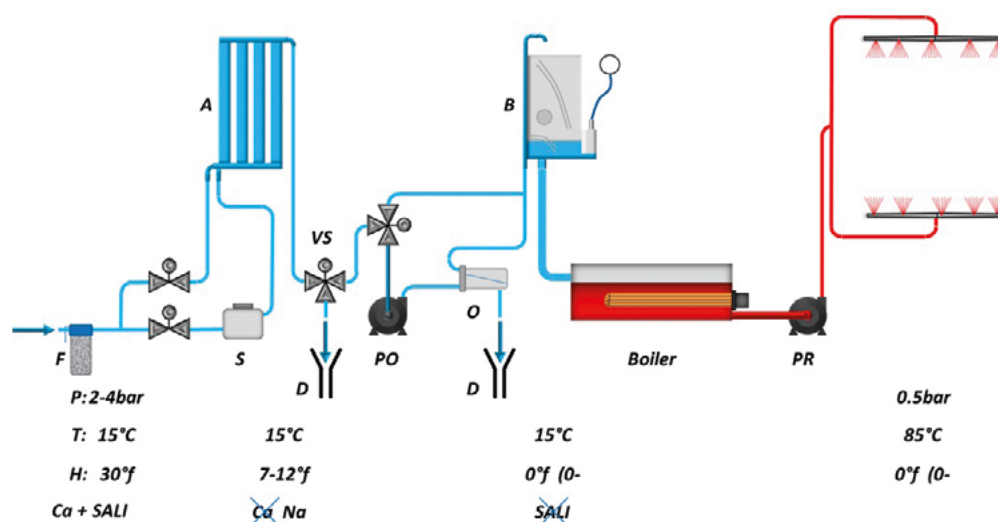


# Washing manual

## What is the principle of reverse osmosis?

Thanks to the principle of reverse osmosis the water is forced through a semi-permeable membrane separating the substances of organic and inorganic origin dissolved in it. About 95% of chemicals are retained.

The result is pure, mineral-free water that provides excellent washing results without the need for manual polishing. Furthermore, costs are reduced: up to 65% less detergent and 95% less rinse aid. The ability of the membrane to reduce the water bacterial load improves the overall hygiene of the machine. In our dishwashers we only use one single high-performance membrane that is easily accessible, hence enabling us to reduce servicing time and costs.



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## Why integrated osmosis:

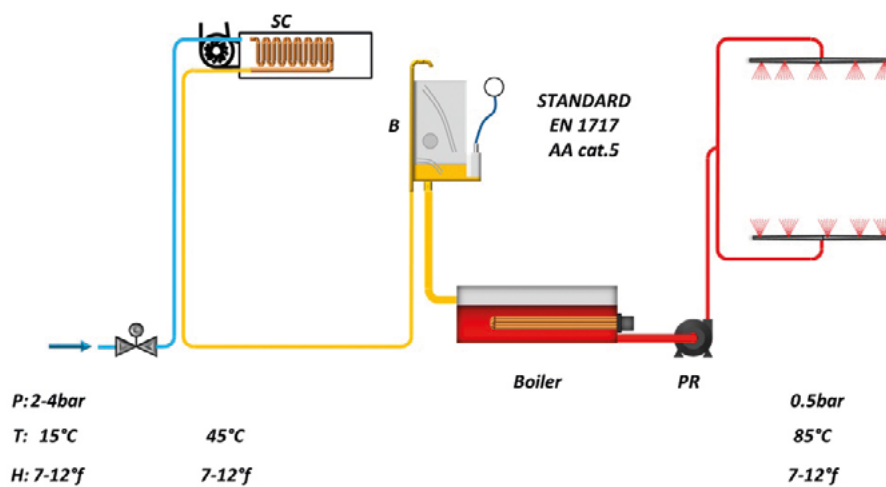
- It is the ultimate technology in current water treatment
- It removes organic and inorganic chemical substances from the water
- It enables the natural drying of glasses and cutlery without deposits and without the need for manual polishing
- It reduces detergent consumption by up to 65% and rinse aid consumption by up to 95%
- The absence of rinse aid residues on the glasses enhances foam formation in sparkling wine and beer

## Why Silanos RO System:

- Silanos combines this technology with a water softening system which is fully integrated into the dishwasher without taking up any additional space in the room. It just requires the use of a carbon pre-filter on the water supply
- The carbon filter eliminates chlorine, extends the life of the membrane and makes the water odourless
- The ion-exchange resin softener eliminates lime scale, preserves the inner pipes by reducing deposits, i.e. a breeding ground for bacteria proliferation, and increases the membrane efficiency and durability
- Demineralisation takes place through a single, highly efficient membrane that removes 95% of the organic and inorganic chemical substances in the water, reduces the bacterial load and produces water with optimum conditions for excellent washing results
- The use of a single membrane makes the water circuit simple, supports maintenance and reduces spare parts costs

## The CRV system

The CRV steam extraction and heat recovery system converts the steam generated during the washing cycle into energy to heat the cold water used to supply the dishwasher. The heat and steam generated in the washing area are used to preheat the cold water. In addition to the energy advantage, a CRV system offers another great asset: almost all the steam is drawn off and hence not expelled into the working environment, thus helping the reduction of room aeration costs.



## Hygiene starts at the table

Cleaning the dishes includes both washing and rinsing: two operations performed automatically by dishwashers.

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## Phase 1 - Washing

### Target: removal of residues from the dishes

The mechanism by which the individual factors must be weighted and coordinated in cleaning processes is called the "**Sinner Circle**". It takes temperature, chemical action, mechanical action and time into account.

High temperature softens the residues on the dishes making them easier to remove. It also has the purpose of activating the detergent and dissolving grease.

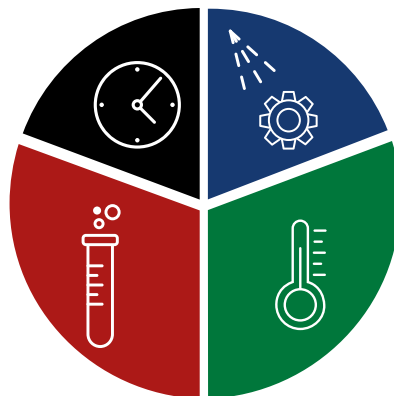
The chemical action of the detergent also contributes to detaching the residues and keeping them suspended in the washing solution.

They are finally removed by the mechanical action and conveyed to the filter systems.

Time is the variable for the type of dirt to be removed: depending on the machine and the type of washing function, it increases the effects of the previous actions.

### Glasswashers

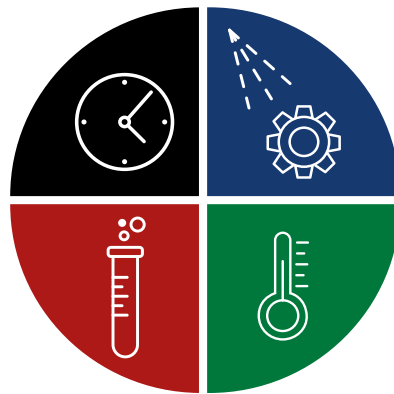
These machines are particularly suitable for bars and rely above all on a chemical and thermal action to clean bottoms and eliminate stains, whereas it is less effective on solid residues.



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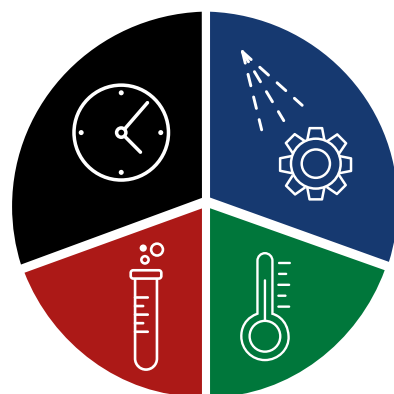
## Dishwashers

Perfect for restaurants. They balance chemical, thermal and mechanical actions to remove stains. They also remove solid residues sticking lightly to the dishes.



## Warewashers

Suitable for frequent use in labs. Thanks to its long-lasting mechanical action they remove solid residues clinging to your cookware.



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## Phase 2 - Rinsing

### **Target: removing the detergent from the dishes**

Rinsing usually takes place at high temperatures because hot dishes dry better.

The quality of this process depends on both external factors, such as the chemical agents dispensed, and on some internal machine factors. In particular, the dishwasher choice and its correct use go hand in hand with the choice of the rinsing system:

- Traditional, when only efficiency without particular quality is required
- Atmospheric, when consistent performance and compliance with the HACCP system are required

Water treatment is very important as well, as it affects the correct functioning of the machine and the final cleaning result of the dishes.

The **ion exchange resin softener** is the most effective system to prevent lime scale and dirt deposits from entering the water circulation system and hence damaging the pipes. This system removes the calcium ion  $Ca^{++}$  and replaces it with the sodium ion  $Na^{+}$ , which remains dissolved in the water and enhances a good finish of glasses and cutlery without encrusted deposits. It also reduces detergent consumption by up to 25% and extends your dishwasher life.

**Silanos 'A' system** fully integrates the water softening circuit into the dishwasher without taking up any additional space in the area. The salt container required for resins regeneration is inside the wash tank, the brine escaping during loading is collected in the tank without making the machine dirty. The circuit can be supplied with a drain valve that sends the brine directly to the drain.



## Built-in softeners

They decrease water hardness by reducing the concentration of calcium and magnesium salts, resulting in many advantages: no lime scale or incrustations, longer machine life and less maintenance. The regeneration cycle is automatic and can be easily programmed according to the supply water hardness, as stated in the table.

