

Pricelist **04.2015**

BELETTROBAR

The Benefit Makers

BELETTROBAR



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Index

■ Technologies and patents	3
■ Glasswashers	11
■ Dishwashers	29
Undercounter	30
Hood type	40
■ Tables and accessories	56
■ Rack conveyor dishwashers	61
■ Accessories, kits and tables for rack conveyor dishwashers	78
■ Utensil and pot washer	85
■ Racks and inserts	103
Wire	104
Polypropylene	106
Steel	110
■ Water treatment and detergents	113
■ Sales conditions	120

Versions

R	round basket
S	conventional water softener
DP	peristaltic detergent dispenser and drain pump
I	insulated hood
DPI	peristaltic detergent dispenser, drain pump and insulated hood
TDE	continuous water softener
NRG	heat recovery system

EWT wash system

Elettrobar Wash Technology

Standard on the RIVER, NIAGARA ranges and OCEAN and FAST dishwashers



Most losses of power occur at the diverter that separates the water directed towards the upper arm from that routed to the lower arm. Elettrobar's simple, genial patented EWT solution eliminates the diverter and has promoted development of an exclusive dual flow, double outlet pump connected directly to the arms.

Power loss is eliminated, with a consequent reduction in pump power, i.e. lower consumption with the same washing efficiency. The light, strong composite material high-tech arm absorbs less energy for rotation and guarantees optimal distribution of water.

ERT rinse system

Elettrobar Rinse Technology

Standard on the RIVER range



With the ERT rinse system, no cold water is fed into boiler during the rinse phase. Unlike conventional systems where temperature may drop by more than 20 °C, water temperature remains constant, thus permitting washing at a lower temperature.

The pump, during suction, delivers constant pressure while rate of flow is guaranteed by water supply via break tank. All these factors promote a considerable reduction in consumption.

EDT drain system

Elettrobar Drain Technology

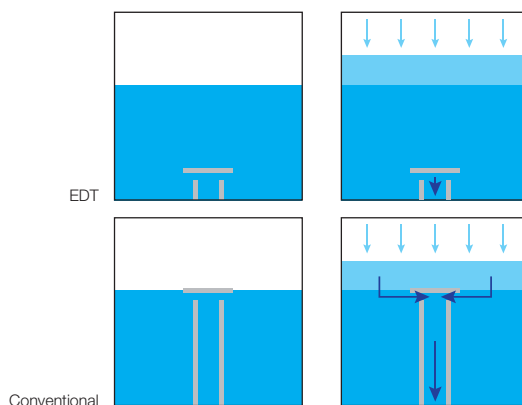
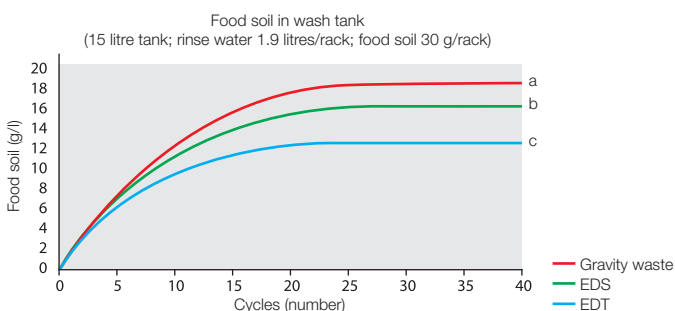
Standard on the RIVER range



Conventional drainage systems use a gravity waste to drain excess water during rinsing. As the clean water is lighter than the dirty water in the tank, it floats on top of this and around 35% is discharged directly into the drain and not in the tank.

The EDT system uses a pump to drain excess water from the bottom of the tank, where it is dirtier, prior to the start of rinsing, without wasting a drop of water. The water in the tank is cleaner, permitting use of a lower concentration of detergent.

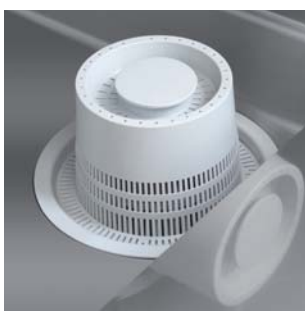
- a) Gravity waste: water exchange equal to 62% of rinse water.
- b) EDS: water exchange equal to 83% of rinse water.
- c) EDT: water exchange equal to 100% of rinse water.



EDS drain system

Elettrobar Drain System

Standard on the NIAGARA, OCEAN and FAST ranges

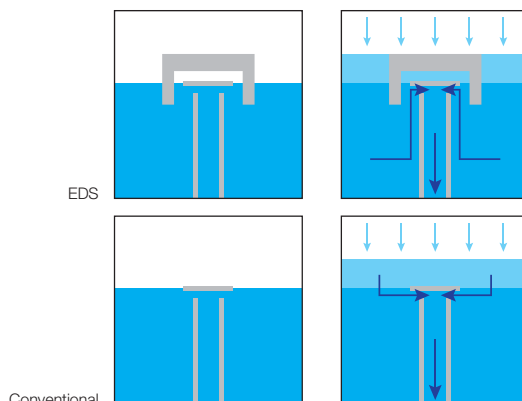
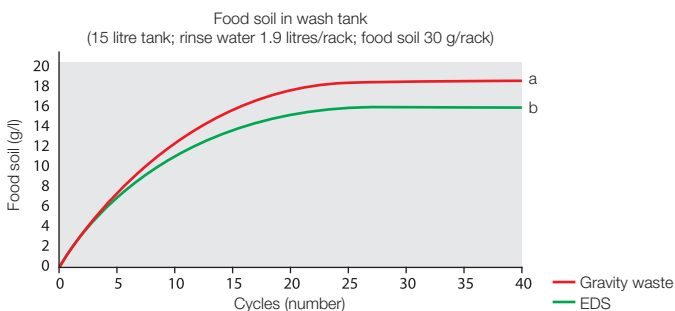


Conventional drainage systems use a gravity waste to drain excess water during rinsing.

As the clean water is lighter than the dirty water in the tank, it floats on top of this and around 35% is discharged directly into the drain and not in the tank.

The EDS system exploits the principle of Archimedes according to which the clean intake water used for rinsing exerts a "piston" effect that pushes the dirty water from the bottom of the tank to the gravity waste. In this way, only 17% of the clean water is drained directly, food soil in the tank is cleaner and a lower concentration of detergent can be used.

- a) Gravity waste: water exchange equal to 62% of rinse water.
- b) EDS: water exchange equal to 83% of rinse water.



EGI interface

Elettrobar Graphic Interface

Standard on the RIVER range



The new, state-of-the-art EGI system features a high definition LCD screen with single-key technology, combining ease of use (a single key, two colours) and complete information display, including wash program selected, wash and rinse temperature,

number of cycles, user alerts, error messages and much more, providing only the information required, when required. Staff training is very fast, also restricting possible damage caused by incorrect use.

EPS special programs

Elettrobar Programs System

Standard on the RIVER range

In addition to three basic wash cycles, the EGI interface also includes a set of highly specialised, specifically tailored cycles able to deal effortlessly with an everyday mix of wash-ware, from fine glassware to plates and pans, combining maximum versatility and ease of use.

The user can choose the program required, modifying this at any time and selecting a maximum of three cycles from the suite proposed:



ProClean (self-clean): Washes the tank, hydraulic circuit and drains the tank and boiler (80% of contents).



ProLong (continuous): Increases wash time by up to 12' with the possibility of manual interruption and automatic activation of the rinse phase.



ProPlates Specific cycles for plates, rinsing is reduced by 17% and temperature is brought to an optimal 78 °C.



ProGlass (glasses): Specific program for glasses of particular shape, cycle time is extended, rinsing increased by 20% at an optimal temperature of 65 °C.



ProSteel Cutlery cycle comprising several washing phases at increasingly higher temperature up to 70 °C and a final rinse phase at 85 °C. Water consumption is 5.5 litres/cycle and cycle time around 6 minutes.



ProGreen (ECO): Reduced energy consumption, environment-friendly cycle. Operates at lower wash and rinse temperatures (50 °C and 65 °C) for longer times with a 13% reduction in CO₂.



ProNew: Clean water wash cycle, with complete drainage and replacement of tank water. Ideal for incompatible food soils such as milk and beer glasses or for quick water refresh.



ProSan Thermal disinfection cycle in accordance with EN ISO 15883-1/3; A0 level adjustable between 20 and 60. Washing is carried out at 72 °C and rinsing at 85 °C. Cycle time is regulated electronically and depends on the A0 value selected (with A0= 30, approx. 12').



ProAct (intensive): Heavy duty cycle for washing utensils and small pans, comprising a prewash phase followed by elimination of food soil from the bottom of the tank, a chemical degreasing phase and final washing at high temperature (65 °C) with rinsing at 78 °C. Water consumption is 5 litres.

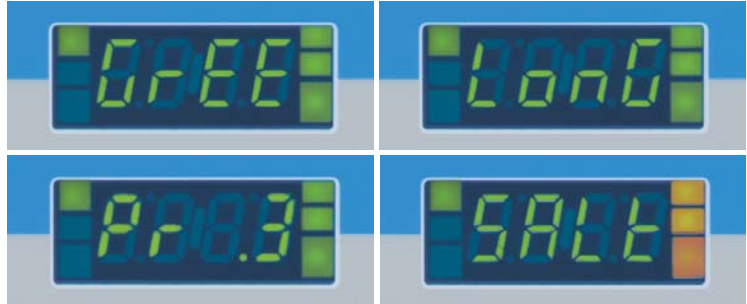


ProWater: Specific cycle for glasswashers that use demineralized water.

EVI interface

Elettrobar Visual Interface

Standard on the NIAGARA and OCEAN ranges



A new user-friendly interface comprising a four-character LCD screen for display of essential information: program selection, temperature, cycles performed, error messages, user information.

A visual check control changes from green to red to indicate machine operating condition. A second bar shows progress of the cycle.

EVI special programs

Standard on the NIAGARA and OCEAN ranges

In addition to the basic wash cycles, the EVI interface includes a special self-clean program.



ProSelf: Semi-automatic self-clean program that washes only the wash tank.

ECS water softener

Elettrobar Continue Softener

Version available on request on River range



The ECS built-in water softener guarantees completely automatic, user-transparent regeneration during each wash cycle. ECS protects dishwashers from damage caused by scale build-up without occupying additional kitchen space and eliminating the need for regeneration which may take tens of minutes.

Another advantage is constant water quality as opposed to conventional softeners where water quality tends to downgrade with saturation of the resins. The device is electronically controlled and a message alerts the user to top up the salt. ECS permits use of specific detergents for soft water which are less aggressive and less expensive than those for hard water.

ECC construction

Elettrobar Clean Construction

Standard on the RIVER, NIAGARA ranges and OCEAN and FAST dishwashers



Elettrobar products are designed in such a way as to eliminate points where food soil may accumulate; tanks, inside doors and rack guides are deep drawn and specifically profiled to facilitate drainage of impurities; vertical edges are also rounded.

Wash tank components have been reduced to a minimum. Wash and rinse water hoses are housed in the thickness of the double wall. Coarser particles are trapped by the built-in tank filters. The more advanced undercounter, hood and pan washer versions are equipped with a self-clean cycle.

ENL Noise reduction

Elettrobar Noise Limitation

Standard on the RIVER range



Noise is one of the main causes of downgrading of the quality of working environments: full double-skin construction and use of a dual outlet wash pump (EWT), without deviations in the water circuit, reduces sound pressure to 59 dB (for undercounter versions), four times lower than a conventional dishwasher.

The dishwashers also comply with all noise and electromagnetic emissions standards.

ELS hood lift system

Elettrobar Lift System

Standard on the RIVER and NIAGARA range



The newly-designed smooth lift system reduces lifting force to a mere 3 kg and prevents sticking if the handle is grasped to the side.

This reduces staff fatigue and promotes higher productivity. The hood is of the double wall insulated type.

EHS door opening

Elettrobar Hinge System

Standard on the RIVER range and NIAGARA dishwashers



Soft touch closing door with reduced opening force (3 kg) assured by movement mechanism with non-linear damping

springs and sealing system with labyrinth and gasket, both patented.

NRG heat recovery system

Version available on request on River range



To be combined with hood type dishwashers, extracts steam after rinsing and condenses this; the heat recovered increases inlet water temperature by 25 °C. Promotes a healthier working environment and also considerable energy saving through

a 30% reduction in the heat gradient generated by the boiler in rinse water. Use of this system also eliminates the need to install an external extraction hood. The entire process, which is fully automatic, lasts just 30".

FAST 130

Features

Single-skinned glasswasher with 35x35 rack, welded tank and rack guides, double skin door, peristaltic rinse aid dispenser, lower wash arms and electro-mechanical interface.

Specific version available for use with round racks. Particularly suitable for very tight spaces.



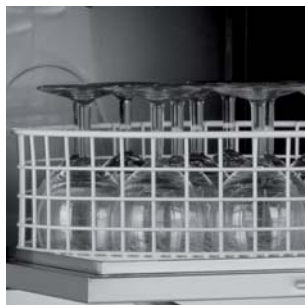
Technologies



Drain system

Versions

Model		Code	€
Fast 130		916237	1.275,00
Fast 130R	round rack	916238	1.326,00
Fast 130S	conventional water softener	916240	1.480,00
Fast 130DP	peristaltic detergent dispenser and drain pump	916239	1.485,00

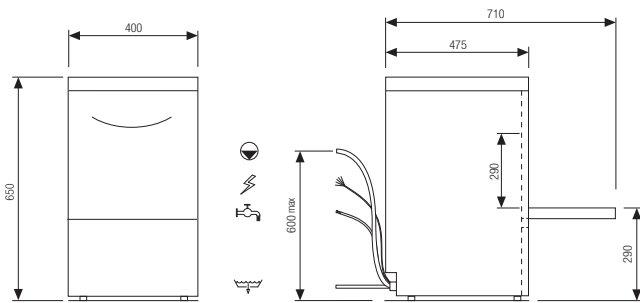


Technical data

Dimensions (WxDxH)	cm	40x47.5x65
Door opening height	cm	29
Standard cycle times	sec.	120
Rack size	cm	35x35
Max. productivity	racks/h	30
Tank capacity	l	9
Boiler capacity	l	2.6

Tank element	kW	0.6
Boiler element	kW	2.6
Wash pump	kW	0.2
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	50
Water consumption	l/Cycle	2
Wash water temp.	°C	60
Rinse water temp.	°C	65

Installation diagram



Power supply

Installed power	Amp	kW
230 V - 50Hz - 1N ph	16	3.4

Packaging specs

Gross weight	Kg	30
Cubic volume	m ³	0.25

Max. height

(with standard racks)

	cm	25
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Options

	Code	€
Drain pump kit	999319	143,00
Peristaltic detergent dispenser kit	999321	184,00
Round rack grid	433022	24,00

Standard racks

	Code	n.
Square glass rack for 130 - 130S	706131	2
Round glass rack for 130R	706095	1
Round glass rack for 130R	706107	1
Cutlery basket for all versions	712019	1

FAST 140

Features

Single-skinned glasswasher with 39x39 rack, welded tank and rack guides, double skin door, peristaltic rinse aid dispenser electro-mechanical interface.

Specific version available for use with round racks. Simple to use and extremely functional, suitable for small/medium environments with very tight spaces.



Technologies



Drain system

Versions

Model		Code	€
Fast 140		916242	1.530,00
Fast 140R	round rack	916243	1.582,00
Fast 140S	conventional water softener	916245	1.734,00
Fast 140DP	peristaltic detergent dispenser and drain pump	916244	1.740,00

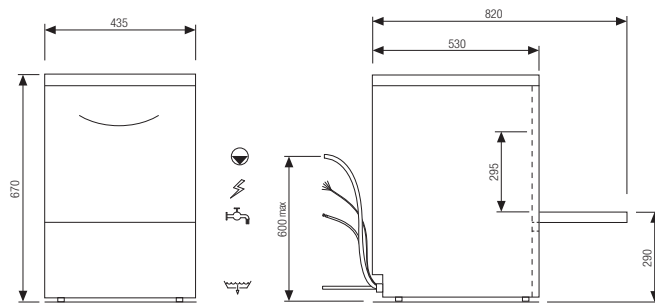


Technical data

Dimensions (WxDxH)	cm	43.5x53x67
Door opening height	cm	29.5
Standard cycle times	sec.	120
Rack size	cm	39x39
Max. productivity	racks/h	30
Tank capacity	l	11
Boiler capacity	l	2.6

Tank element	kW	0.6
Boiler element	kW	2.6
Wash pump	kW	0.3
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	50
Water consumption	l/Cycle	2.2
Wash water temp.	°C	60
Rinse water temp.	°C	65

Installation diagram



Power supply



Installed power	Amp	kW
230 V - 50Hz - 1N ph	16	3.5

Packaging specs





Gross weight	Kg	34
Cubic volume	m ³	0.25

Max. height





(with standard racks)

	cm	25.5
	cm	27

Options

	Code	€
 Drain pump kit	999319	143,00
 Peristaltic detergent dispenser kit	999321	184,00
 Round rack grid	433023	24,00
 Sloping plate insert for rack 706133	780130	15,00

Standard racks

	Code	n.
 Square glass rack for 140 - 140S	706133	2
 Round glass rack for 140R	983060	1
 Round glass rack for 140R	983015	1
 Cutlery basket for all versions	712019	1

FAST 150

Features

Compact glass and dish-washer with a useful door height of 30 cm. for washing of up to 26 cm high glasses. Single-skinned glasswasher, welded tank and rack guides, double skin door, peristaltic rinse aid dispenser, electro-mechanical interface.

The 120-sec. wash cycle is an effective compromise between productivity and the ability to eliminate more stubborn food soil, while rotating upper washing also permits washing of up to 28-cm. plates.



Technologies



Drain system



Wash system

Versions

Model		Code	€
Fast 150		916921	2.040,00
Fast 150S	conventional water softener	916922	2.264,00

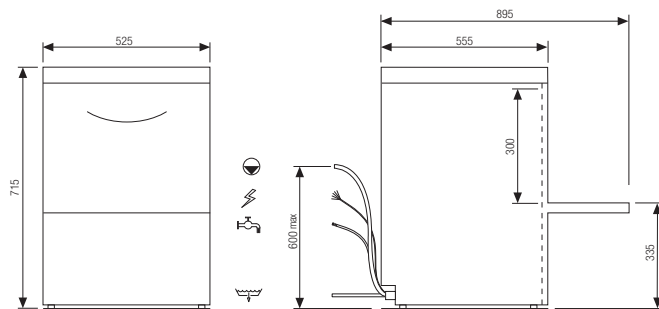


Technical data

Dimensions (WxDxH)	cm	52.5x55.5x71.5
Door opening height	cm	30
Standard cycle times	sec.	120
Rack size	cm	45x45
Max. productivity	racks/h	30
Tank capacity	l	15
Boiler capacity	l	2.6

Tank element	kW	2.1
Boiler element	kW	2.6
Wash pump	kW	0.2
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	50
Water consumption	l/Cycle	2.5
Wash water temp.	°C	60
Rinse water temp.	°C	78

Installation diagram



Power supply



Installed power	Amp	kW
230 V - 50Hz - 1N ph	16	2.9

Packaging specs



Gross weight	Kg	49
Cubic volume	m³	0.37

Max. height




(with standard racks)

	cm	26
	cm	28

Options

	Code	€
 Drain pump kit	999336	184,00
 Peristaltic detergent dispenser kit	999321	184,00

Standard racks

	Code	n.
 Square plate rack	780129	1
 Square glass rack	780128	1
 Cutlery basket	712019	1

Ocean 340

Features

Single-skinned glasswasher with 39x39 rack, deep-drawn tank, welded rack guides, double skin door, peristaltic rinse aid dispenser adjustable through control panel. Specific version available for use with round racks.

Versatile and efficient, can also be used as dishwasher. Particularly suitable for small/medium environments with very tight spaces.



Technologies



Drain system



Interface

Versions

Model		Code	€
Ocean 340		916181	1.648,00
Ocean 340R	round rack	916182	1.700,00
Ocean 340S	conventional water softener	916184	1.875,00
Ocean 340DP	peristaltic detergent dispenser and drain pump	916183	1.854,00

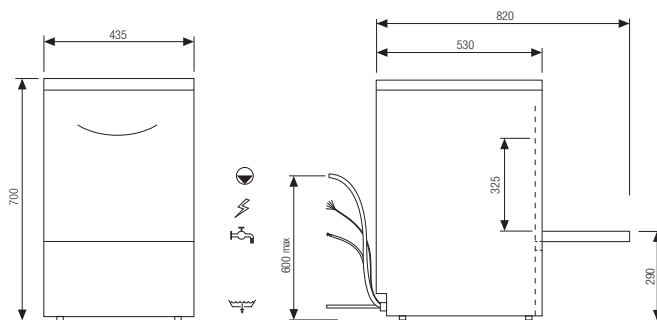


Technical data

Dimensions (WxDxH)	cm	43.5x53x70
Door opening height	cm	32.5
Standard cycle times	sec.	120
Self-clean cycle		ProSelf
Rack size	cm	39x39
Max. productivity	racks/h	30
Tank capacity	l	11
Boiler capacity	l	2.6

Tank element	kW	0.6
Boiler element	kW	2.6
Wash pump	kW	0.3
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	50
Water consumption	l/Cycle	2
Wash water temp.	°C	60
Rinse water temp.	°C	65

Installation diagram



Power supply



Installed power	Amp	kW
230 V - 50Hz - 1N ph	16	3.5

Packaging specs





Gross weight	Kg	34
Cubic volume	m ³	0.25

Max. height





(with standard racks)

	cm	28.5
	cm	29

Options

	Code	€
 Drain pump kit	999319	143,00
 Peristaltic detergent dispenser kit	999322	178,00
 Round rack grid	433023	24,00
 Sloping plate insert for rack 706133	780130	15,00

Standard racks

	Code	n.
 Square glass rack for 340 - 340S - 340DP	706133	2
 Round glass rack for 340R	983060	1
 Round glass rack for 340R	983015	1
 Cutlery basket for all versions	712019	1

niagara 341

Features

Partial double-skinned glasswasher with 40x40 rack, deep-drawn, rounded tank and rack guides, plastic tank filter, peristaltic rinse aid dispenser adjustable through control panel.

Specific version and also adapter kit available for use with round racks. Versatile and efficient, can also be used as dishwasher. Particularly suitable for small/medium environments with very tight spaces.



Technologies



Construction



Wash system



Drain system



Interface

Versions

Model		Code	€
Niagara 341		916196	1.751,00
Niagara 341R	round rack	916197	1.803,00
Niagara 341S	conventional water softener	916199	1.978,00
Niagara 341DP	peristaltic detergent dispenser and drain pump	916198	1.958,00

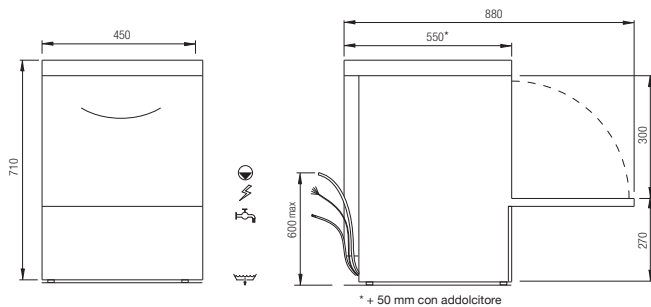


Technical data

Dimensions (WxDxH)	cm	45x55x71
Door opening height	cm	30
Standard cycle times	sec.	90 - 120
Self-clean cycle		ProSelf
Rack size	cm	40x40
Max. productivity	racks/h	40
Tank capacity	l	8
Boiler capacity	l	2.6

Tank element	kW	0.6
Boiler element	kW	2.6
Wash pump	kW	0.2
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	50
Water consumption	l/Cycle	1.9
Wash water temp.	°C	60
Rinse water temp.	°C	65

Installation diagram



Power supply

Installed power	Amp	kW
230 V - 50Hz - 1N ph	16	3.4

Packaging specs

Gross weight	Kg	45
Cubic volume	m ³	0.30

Max. height

(with standard racks)

	cm	27.5
	cm	29

Options

	Code	€
Drain pump kit	999320	184,00
Peristaltic detergent dispenser kit	999322	178,00
Round rack grid	433024	24,00
Round racks kit (1 grid 433024 + 2 round racks 706143)	999290	125,00
Sloping plate insert for rack 706140	780130	15,00

Standard racks

	Code	n.
Square glass rack for 341 - 341S - 341DP	706140	2
Round glass rack for 341R	706143	2
Cutlery basket for all versions	712019	1

niagara 351

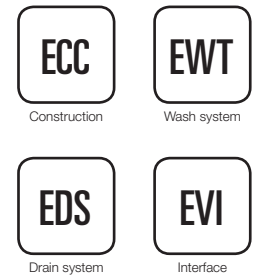
Features

Full double-skinned glasswasher with 50x50 rack, deep-drawn, rounded tank and rack guides, plastic tank filter, peristaltic rinse aid dispenser adjustable through control panel. Versatile and efficient, can also be used as dishwasher.

Particularly suitable for small/medium environments with very tight spaces. The ideal solution for medium-small bars that serve fast food and therefore require a multi-functional, high productivity machine.



Technologies



Versions

Model		Code	€
Niagara 351		916201	2.575,00
Niagara 351S	conventional water softener	916203	2.802,00
Niagara 351DP	peristaltic detergent dispenser and drain pump	916202	2.853,00

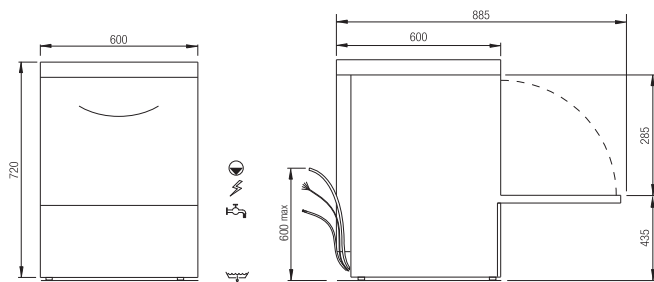


Technical data

Dimensions (WxDxH)	cm	60x60x72
Door opening height	cm	29
Standard cycle times	sec.	90 - 120 - 150
Self-clean cycle		ProSelf
Rack size	cm	50x50
Max. productivity	racks/h	40
Tank capacity	l	15
Boiler capacity	l	6

Tank element	kW	2.1
Boiler element	kW	4.9
Wash pump	kW	0.5
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.8
Wash water temp.	°C	60
Rinse water temp.	°C	65

Installation diagram



Power supply



Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	5.4
Convertible	Amp	kW
230 V - 50Hz - 1N ph	16	3.5

Packaging specs





Gross weight	Kg	58
Cubic volume	m ³	0.45

Max. height



(with standard racks)

	cm	25.5
	cm	27

Options

	Code	€
 Drain pump kit	999325	184,00
 Peristaltic detergent dispenser kit	999322	178,00
 Open stainless steel plinth	798005	253,00
 Closed stainless steel plinth	798008	315,00

Standard racks

	Code	n.
 Square glass rack	780132	2
 Cutlery basket	712019	1

river 342

Features

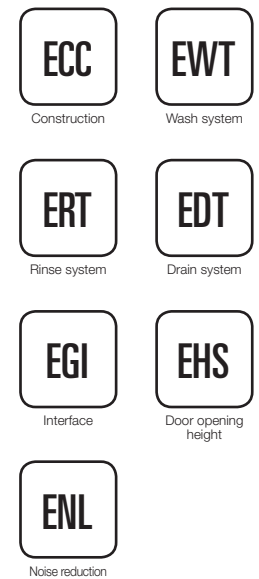
Full double-skinned glass-dishwasher with 40x40 rack, deepdrawn, rounded tank and rack guides, built-in stainless steel tank filter, soft door closing system, peristaltic detergent and rinse aid dispensers adjustable through control panel, drain and pressure boost pumps, special wash cycles, self-clean cycle.

On request the sloping wire insert suitable for washing wine glasses can be supplied. Fully-featured model characterised by low consumption, versatility, ease of use and advanced ergonomic design.

Possibility to combine with **WS140** osmosis device.



Technologies



Versions

Model		Code	€
River 342		916066	2.600,00
River 342R	round rack	916077	2.652,00
River 342TDE	continuous water softener	916078	2.923,00

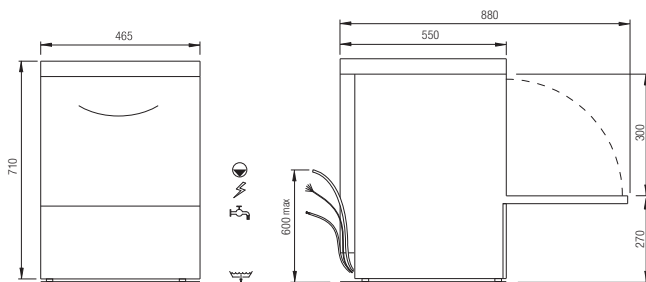


Technical data

Dimensions (WxDxH)	cm	46.5x55x71
Door opening height	cm	30
Standard cycle times	sec.	90 - 120 - 150
Self-clean cycle		ProClean
Special cycles		ProPlates - ProNew ProWater
Rack size	cm	40x40
Max. productivity	racks/h	40
Tank capacity	l	8
Boiler capacity	l	2.6

Tank element	kW	0.6
Boiler element	kW	2.6
Wash pump	kW	0.2
Rinse pump	kW	0.2
Drain pump	kW	0.2
Inlet water pressure	bar	1.5 → 4
Inlet water temperature	°C	50
Water consumption	l/Cycle	1.8
Wash water temp.	°C	60
Rinse water temp.	°C	65

Installation diagram



Power supply



Installed power	Amp	kW
230 V - 50Hz - 1N ph	16	3.5

Packaging specs



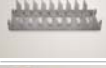

Gross weight	Kg	50
Cubic volume	m ³	0.35

Max. height




(with standard racks)

	cm	27.5
	cm	29

Options

	Code	€
 Round rack grid	433024	24,00
 Round racks kit (1 grid 433024 + 2 round racks 706143)	999290	125,00
 Sloping plate insert for rack 706140	780130	15,00
 Electronic level sensor kit n. 1 unit)	999257	57,00

Standard racks

	Code	n.
 Square glass rack for 342 - 342TDE	706140	2
 Round glass rack for 342R	706143	2
 Cutlery basket for all versions	712019	1

river 352

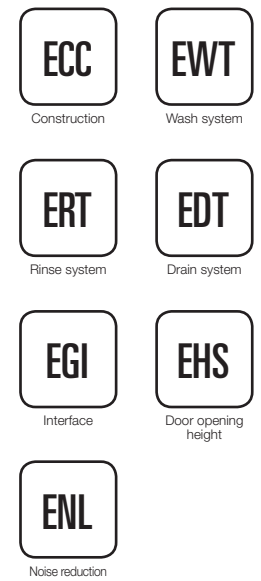
Features

Full double-skinned glass-dishwasher with 50x50 rack, deepdrawn, rounded tank and rack guides, built-in stainless steel tank filter, soft door closing system, peristaltic detergent and rinse aid dispensers adjustable through control panel, drain and pressure boost pumps, special wash cycles, self-clean cycle.

Fully-featured model characterised by low consumption, versatility, ease of use and advanced ergonomic design. Possibility to combine with **WS140** osmosis device.

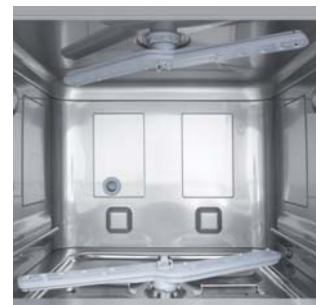


Technologies



Versions

Model		Code	€
River 352		916067	3.330,00
River 352TDE	continuous water softener	916079	3.651,00

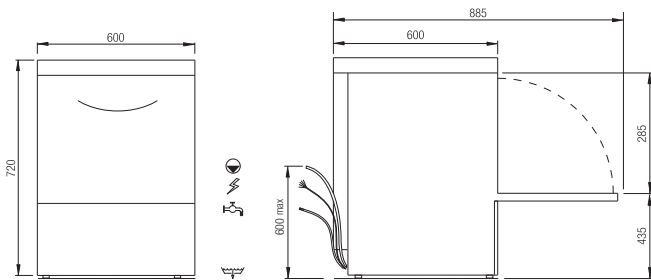


Technical data

Dimensions (WxDxH)	cm	60x60x72
Door opening height	cm	29
Standard cycle times	sec.	72 - 110 - 150
Self-clean cycle		ProClean
Special cycles		ProPlates - ProNew ProSteel - ProWater
Rack size	cm	50x50
Max. productivity	racks/h	50
Tank capacity	l	15
Boiler capacity	l	6

Tank element	kW	2.1
Boiler element	kW	7.6
Wash pump	kW	0.5
Rinse pump	kW	0.2
Drain pump	kW	0.2
Inlet water pressure	bar	1.5 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.4
Wash water temp.	°C	60
Rinse water temp.	°C	65

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	8.1
Convertible	Amp	kW
400 V - 50Hz - 3N ph	16	5.4
230 V - 50Hz - 1N ph	16	3.3

Packaging specs

Gross weight	Kg	61
Cubic volume	m ³	0.45

Max. height

(with standard racks)

	cm	25.5
	cm	27

Options

	Code	€
Open stainless steel plinth	798005	253,00
Closed stainless steel plinth	798008	315,00
Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks

	Code	n.
Square glass rack	780132	2
Cutlery basket	712019	1

FAST 160-2

Features

Single-skinned, undercounter dishwasher with 50x50 rack, welded tank, deep-drawn, rounded rack guides, built-in plastic tank filter, double skin door, peristaltic rinse aid dispenser, electro-mechanical interface.

To be used only with connection to hot water at 50 °C.



Technologies



Construction



Wash system



Drain system

Versions

Model		Code	€
Fast 160-2		916247	2.142,00
Fast 160-2S	conventional water softener	916248	2.366,00
Fast 160-2DP	peristaltic detergent dispenser and drain pump	916249	2.458,00

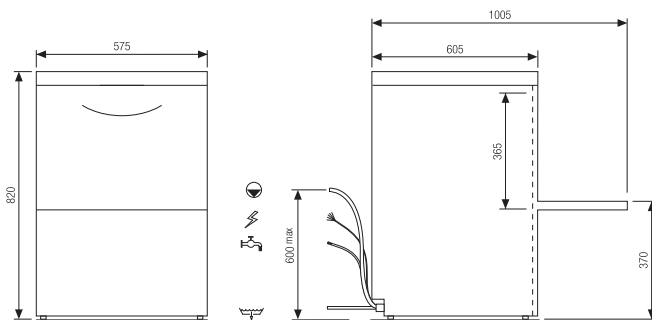


Technical data

Dimensions (WxDxH)	cm	57.5x60.5x82
Door opening height	cm	36.5
Standard cycle times	sec.	90 - 150
Rack size	cm	50x50
Max. productivity	racks/h	40
Tank capacity	l	20
Boiler capacity	l	6

Tank element	kW	2.1
Boiler element	kW	3.0
Wash pump	kW	0.5
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	50
Water consumption	l/Cycle	2.8
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
230 V - 50Hz - 1N ph	16	3.5

Packaging specs

Gross weight	Kg	59
Cubic volume	m³	0.45

Max. height

(with standard racks)

	cm	32.5
	cm	36.5

Options

	Code	€
Drain pump kit	999324	184,00
Peristaltic detergent dispenser kit	999321	184,00
Open stainless steel plinth	798005	253,00
Closed stainless steel plinth	798006	315,00

Standard racks

	Code	n.
Square plate rack	780131	1
Square glass rack	780132	1
Cutlery basket	712019	1

FAST 161-2

Features

Single-skinned undercounter dishwasher with 50x50 rack, welded tank, deep-drawn, rounded rack guides, built-in plastic tank filter, double skin door, peristaltic rinse aid dispenser, electro-mechanical interface.

The upgraded boiler element and Thermostop system permit use of the machine with cold water at 15 °C.



Technologies



Construction



Wash system



Drain system

Versions

Model		Code	€
Fast 161-2		916250	2.242,00
Fast 161-2S	conventional water softener	916251	2.470,00
Fast 161-2DP	peristaltic detergent dispenser and drain pump	916252	2.560,00

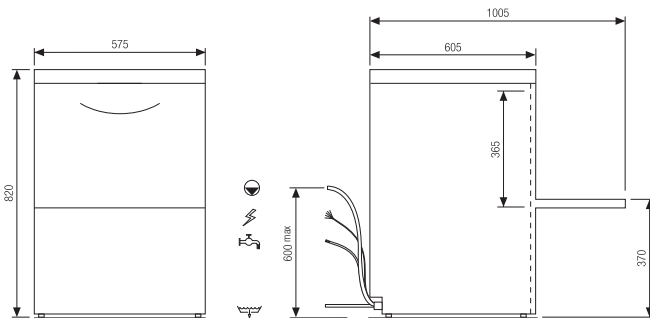


Technical data

Dimensions (WxDxH)	cm	57.5x60.5x82
Door opening height	cm	36.5
Standard cycle times	sec.	90 - 150
Rack size	cm	50x50
Max. productivity	racks/h	40
Tank capacity	l	20
Boiler capacity	l	6

Tank element	kW	2.1
Boiler element	kW	4.9
Wash pump	kW	0.5
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.8
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	5.4
Convertible	Amp	kW
230 V - 50Hz - 1N ph	16	3.5

Packaging specs

Gross weight	Kg	59
Cubic volume	m³	0.45

Max. height

(with standard racks)

	cm	32.5
	cm	36.5

Options

	Code	€
Drain pump kit	999324	184,00
Peristaltic detergent dispenser kit	999321	184,00
Open stainless steel plinth	798005	253,00
Closed stainless steel plinth	798006	315,00

Standard racks

	Code	n.
Square plate rack	780131	1
Square glass rack	780132	1
Cutlery basket	712019	1

Ocean 360

Features

Partial double-skinned undercounter dishwasher with 50x50 rack, deep-drawn tank, deep-drawn, rounded rack guides, plastic tank filter, peristaltic rinse aid dispenser adjustable through control panel.

External dimensions and a height of just 82 cm permit seamless integration.



Technologies



Versions

Model		Code	€
Ocean 360		916021	2.370,00
Ocean 360S	conventional water softener	916027	2.596,00
Ocean 360DP	peristaltic detergent dispenser and drain pump	916025	2.648,00
Ocean 360SDP	conventional water softener, peristaltic detergent dispenser and drain pump	916031	2.873,00

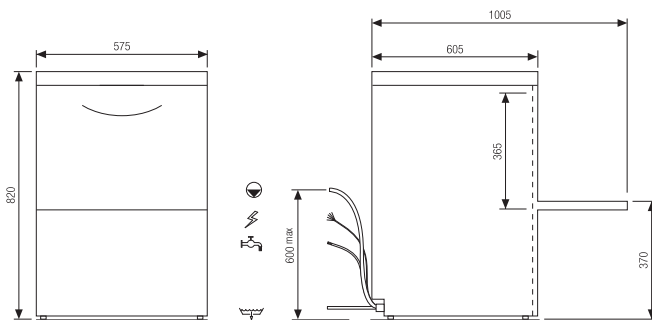


Technical data

Dimensions (WxDxH)	cm	57.5x60.5x82
Door opening height	cm	36.5
Standard cycle times	sec.	90 - 120 - 180
Self-clean cycle		ProSelf
Rack size	cm	50x50
Max. productivity	racks/h	40
Tank capacity	l	20
Boiler capacity	l	6

Tank element	kW	2.1
Boiler element	kW	4.9
Wash pump	kW	0.5
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.8
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	5.4
Convertible	Amp	kW
230 V - 50Hz - 1N ph	16	3.5

Packaging specs

Gross weight	Kg	59
Cubic volume	m ³	0.45

Max. height

(with standard racks)

	cm	32.5
	cm	36.5

Options

	Code	€
Drain pump kit	999324	184,00
Peristaltic detergent dispenser kit	999322	178,00
Open stainless steel plinth	798005	253,00
Closed stainless steel plinth	798006	315,00

Standard racks

	Code	n.
Square plate rack	780131	1
Square glass rack	780132	1
Cutlery basket	712019	1

niagara 361

Features

Full double-skinned undercounter dishwasher with 50x50 rack, deep-drawn, rounded tank and rack guides, plastic tank filter, peristaltic rinse aid dispenser adjustable through control panel. Soft start wash cycle.

Versatile and efficient, can also be used to wash Gastronorm and Euronorm trays. Slim external dimensions and a height of just 82 cm permit seamless integration.



Technologies



Construction



Wash system



Drain system



Interface



Door opening height

Versions

Model		Code	€
Niagara 361		916205	2.576,00
Niagara 361S	conventional water softener	916207	2.802,00
Niagara 361DP	peristaltic detergent dispenser and drain pump	916206	2.853,00

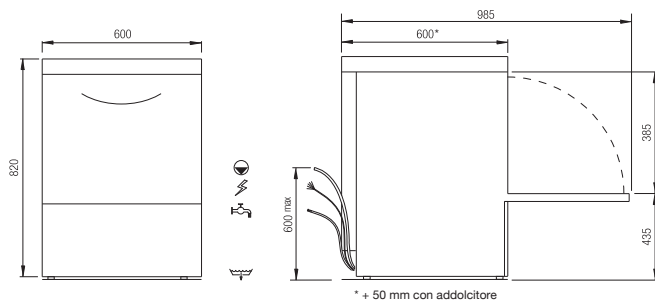


Technical data

Dimensions (WxDxH)	cm	60x60x82
Door opening height	cm	39
Standard cycle times	sec.	90 - 120 - 150
Self-clean cycle		ProSelf
Rack size	cm	50x50
Max. productivity	racks/h	40
Tank capacity	l	15
Boiler capacity	l	6

Tank element	kW	2.1
Boiler element	kW	4.9
Wash pump	kW	0.5
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.8
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	5.4
Convertible	Amp	kW
230 V - 50Hz - 1N ph	16	3.5

Packaging specs

Gross weight	Kg	62
Cubic volume	m ³	0.45

Max. height

(with standard racks)

	cm	35.5
	cm	39

Options

	Code	€
Drain pump kit	999325	184,00
Peristaltic detergent dispenser kit	999322	178,00
Open stainless steel plinth	798005	253,00
Closed stainless steel plinth	798008	315,00

Standard racks

	Code	n.
Square plate rack	780131	1
Square glass rack	780132	1
Cutlery basket	712019	1

river 362

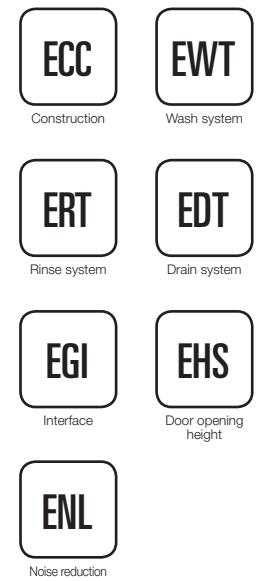
Features

Full double-skinned undercounter dishwasher with 50x50 rack, deep-drawn, rounded tank and rack guides, built-in stainless steel tank filter, soft door closing system, peristaltic detergent and rinse aid dispensers adjustable through control panel, drain and pressure boost pumps, special wash cycles, self-clean cycle. Soft start wash cycle.

Fully-featured model characterised by low consumption, versatility (can also wash Euronorm and Gastronorm trays), ease of use, advanced ergonomic design. Possibility to combine with **WS140** osmosis device.



Technologies



Versions

Model		Code	€
River 362		916068	3.434,00
River 362TDE	continuous water softener	916080	3.755,00

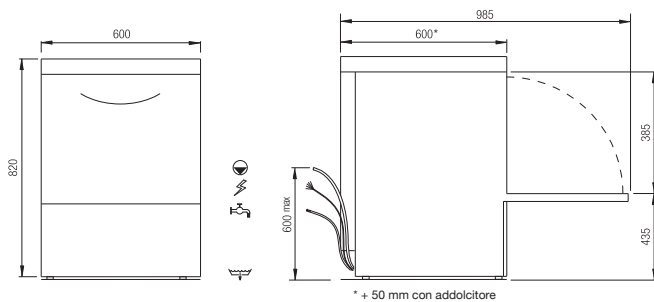


Technical data

Dimensions (WxDxH)	cm	60x60x82
Door opening height	cm	39
Standard cycle times	sec.	72 - 110 - 150
Self-clean cycle		ProClean
Special cycles		ProNew - ProSteel ProWater - ProSan
Rack size	cm	50x50
Max. productivity	racks/h	50
Tank capacity	l	15
Boiler capacity	l	6

Tank element	kW	2.1
Boiler element	kW	7.6
Wash pump	kW	0.5
Rinse pump	kW	0.2
Drain pump	kW	0.2
Inlet water pressure	bar	1.5 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.4
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	8.1
Convertible	Amp	kW
400 V - 50Hz - 3N ph	16	5.4
230 V - 50Hz - 1N ph	16	3.3

Packaging specs

Gross weight	Kg	65
Cubic volume	m ³	0.45

Max. height

(with standard racks)

	cm	35.5
	cm	39

Options

	Code	€
Open stainless steel plinth	798005	253,00
Closed stainless steel plinth	798008	315,00
Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks

	Code	n.
Square plate rack	780131	1
Square glass rack	780132	1
Cutlery basket	712019	1

FAST 180

Features

Single-skinned hood type dishwasher with 50x50 rack (optional 54x54) with deep-drawn tank, wire rack support, built-in plastic tank filter, single-skin hood, manually adjustable peristaltic rinse aid dispenser, electro-mechanical interface.

Maximum versatility (can also wash Euronorm and Gastronorm trays). Can be installed in line or as corner unit without the need for additional components.



Technologies



Construction



Wash system



Drain system

Versions

Model	Code	€
Fast 180	PV280FAST2	3.723,00

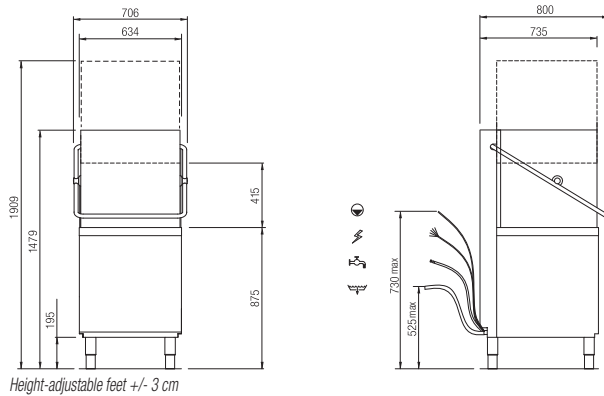


Technical data

Dimensions (WxDxH)	cm	63.5(70.5)x73.5x148
Door opening height	cm	40
Standard cycle times	sec.	90 - 150
Rack size	cm	50x50 (54x54)
Max. productivity	racks/h	40
Tank capacity	l	15
Boiler capacity	l	6

Tank element	kW	2.1
Boiler element	kW	8.0
Wash pump	kW	0.5
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.8
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	8.5

Packaging specs

Gross weight	Kg	100
Cubic volume	m ³	0.95

Max. height

(with standard racks)

	cm	39
	cm	40

Options

	Code	€
Drain pump kit	70710	184,00
Peristaltic detergent dispenser kit	41953	178,00

Standard racks

	Code	n.
Square plate rack	780131	1
Square glass rack	780132	1
Cutlery basket	712019	1

Ocean 380

Features

Single-skinned hood type dishwasher with 50x50 rack (optional 54x54), single-skin hood, deep-drawn rounded tank, rested wire rack support, plastic tank filter, peristaltic rinse aid dispenser adjustable through control panel.

The controls positioned at the top are visible from all angles. Can be installed in line or as corner unit without the need for additional components.



Technologies



Construction



Wash system



Drain system



Interface

Versions

Model	Code	€
Ocean 380	OC380	4.018,00

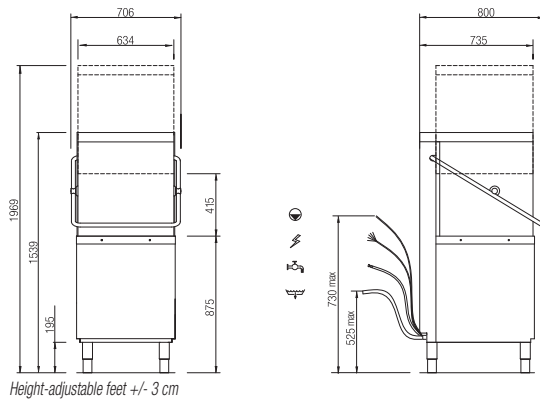


Technical data

Dimensions (WxDxH)	cm	63.5(70.5)x73.5x154
Door opening height	cm	40
Standard cycle times	sec.	90 - 120 - 150
Self-clean cycle		ProSelf
Rack size	cm	50x50 (54x54)
Max. productivity	racks/h	40
Tank capacity	l	15
Boiler capacity	l	6

Tank element	kW	2.1
Boiler element	kW	8.0
Wash pump	kW	0.5
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.8
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	8.5

Packaging specs

Gross weight	Kg	100
Cubic volume	m ³	0.95

Max. height

(with standard racks)

	cm	39
	cm	40

Options

	Code	€
Drain pump kit	70710	184,00
Peristaltic detergent dispenser kit	41954	178,00

Standard racks

	Code	n.
Square plate rack	780131	1
Square glass rack	780132	1
Cutlery basket	712019	1

niagara 381

Features

Single-skinned, hood type dishwasher with 50x50 rack (optional 54x54), single-skin hood, deep-drawn, rounded tank, plastic tank filter, hinged wire rack support, peristaltic rinse aid dispenser adjustable through control panel. Specific version available for insulated hood.

Maximum versatility (can also wash Euronorm and Gastronorm trays). The controls positioned at the top are visible from all angles. Can be installed in line or as corner unit without the need for additional components.



Technologies

ECC <small>Construction</small>	EWT <small>Wash system</small>
EDS <small>Drain system</small>	EVI <small>Interface</small>
ELS <small>Hood lifting</small>	

Versions

Model		Code	€
Niagara 381		NG381	4.225,00
Niagara 381DP	peristaltic detergent dispenser and drain pump	NG381DDPS	4.502,00
Niagara 381I	insulated hood	NG381C	4.430,00

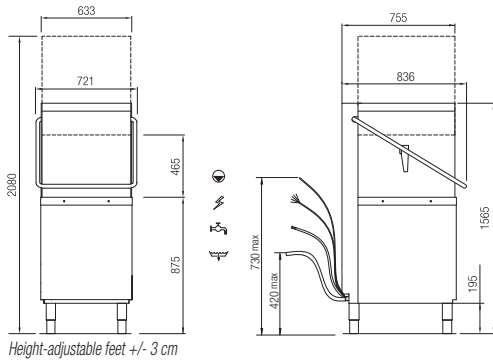


Technical data

Dimensions (WxDxH)	cm	63.5(72)x75.5x156.5
Door opening height	cm	46.5
Standard cycle times	sec.	72 - 110 - 150
Self-clean cycle		ProSelf
Rack size	cm	50x50 (54x54)
Max. productivity	racks/h	50
Tank capacity	l	22
Boiler capacity	l	6

Tank element	kW	2.5
Boiler element	kW	8.0
Wash pump	kW	0.7
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.8
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	8.7

Packaging specs

Gross weight	Kg	100
Cubic volume	m ³	0.95

Max. height

(with standard racks)

	cm	44
	cm	44

Options

	Code	€
Drain pump kit	70710	184,00
Peristaltic detergent dispenser kit	41954	178,00

Standard racks

	Code	n.
Square plate rack	780131	1
Square glass rack	780132	1
Cutlery basket	712019	1

niagara 381L*

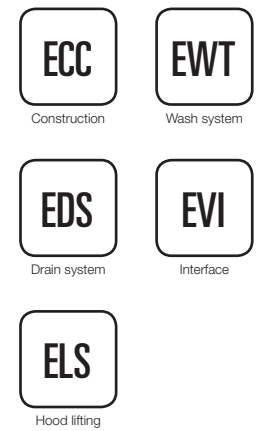
Features

Single-skinned, hood type dishwasher with 50x60 rack, single-skin hood, deep-drawn, rounded tank, plastic tank filter, rack support with hinged wire grid, peristaltic rinse aid dispenser adjustable through control panel. Specific version available for insulated hood.

The broad door opening of 46 cm makes it possible to wash not only plates but also baking tins, pans, planetary mixer bowls and utensils in general. The mesh type rack support permits direct insertion of large objects such as pans and bread baskets. The controls positioned at the top are visible from all angles.



Technologies



Versions

Model		Code	€
Niagara 381L		NG381L	5.563,00
Niagara 381LDP	peristaltic detergent dispenser and drain pump	NG381LDDPS	5.841,00
Niagara 381LI	insulated hood	NG381LC	5.872,00

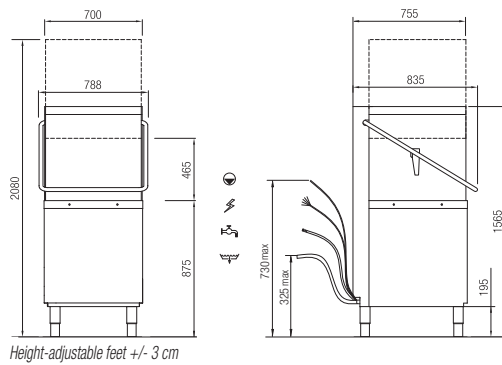


Technical data

Dimensions (WxDxH)	cm	70(79)x75.5x156.5
Door opening height	cm	46.5
Standard cycle times	sec.	60 - 90 - 120
Self-clean cycle		ProSelf
Rack size	cm	50x60
Max. productivity	racks/h	60
Tank capacity	l	30
Boiler capacity	l	6

Tank element	kW	3.0
Boiler element	kW	9.5
Wash pump	kW	1.5
Inlet water pressure	bar	2 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	3.5
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply



Installed power	Amp	kW
400 V - 50Hz - 3N ph	20	11.0

Packaging specs



Gross weight	Kg	136
Cubic volume	m ³	1.10

Max. height




(with standard racks)

	cm	44
	cm	44

Options

	Code	€
 Drain pump kit	70710	184,00
 Peristaltic detergent dispenser kit	41954	178,00

Standard racks

	Code	n.
 Square plate rack	70180	1
 Square glass rack	70181	1
 4-compartment cutlery basket	780081	1

river 382

Features

Double-skinned, hood type dishwasher with 50x50 rack (optional 54x54), double-skin insulated hood, deep-drawn, rounded tank, built-in stainless steel tank filter, hinged wire rack support, soft closing hood, peristaltic detergent and rinse aid dispensers adjustable through control panel, drain and pressure boost pump, special wash cycles, self-clean cycle.

Fully-featured model characterised by low consumption, versatility (can also wash Euronorm and Gastronorm trays), ease of use, advanced ergonomic design. The controls positioned at the top are visible from all angles. Can be installed in line or as corner unit without the need for additional components. Possibility to combine with **WS140** osmosis device.



Technologies

- ECC**
Construction
- EWT**
Wash system
- ERT**
Rinse system
- EDT**
Drain system
- EGI**
Interface
- ELS**
Hood lifting
- ENL**
Noise reduction

Versions

Model		Code	€
River 382		RV382	5.410,00
River 382TDE	continuous water softener	RV382S	5.732,00

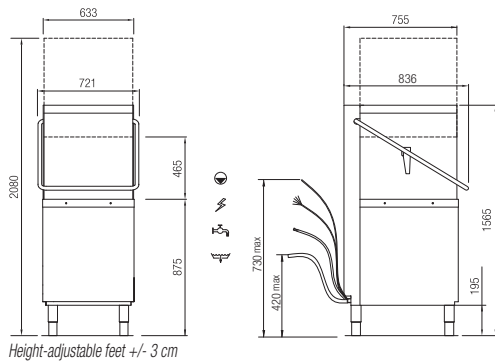


Technical data

Dimensions (WxDxH)	cm	63.5(72)x75.5x156.5
Door opening height	cm	46.5
Standard cycle times	sec.	60 - 90 - 120
Self-clean cycle		ProClean
Special cycles		ProNew - ProSteel ProWater - ProSan
Rack size	cm	50x50 (54x54)
Max. productivity	racks/h	60
Tank capacity	l	22
Boiler capacity	l	6

Tank element	kW	2.5
Boiler element	kW	8.0
Wash pump	kW	0.7
Rinse pump	kW	0.2
Drain pump	kW	0.2
Inlet water pressure	bar	1.5 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.4
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply



Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	8.7

Packaging specs


Gross weight	Kg	125
Cubic volume	m ³	0.95

Max. height




(with standard racks)

	cm	44
	cm	44

Options

	Code	€
 Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks

	Code	n.
 Square plate rack	780131	1
 Square glass rack	780132	1
 Cutlery basket	712019	1

river 382 NRG

Features

Double-skinned, hood type dishwasher with 50x50 rack (optional 54x54), double-skinned insulated hood, deep-drawn, rounded tank, built-in stainless steel tank filter, hinged wire rack support, soft closing hood, peristaltic detergent and rinse aid dispensers adjustable through control panel, drain and pressure boost pump, special wash cycles, self-clean cycle, heat recovery.

The heat recovery system prevents heat and steam emissions into the environment. Fully-optional model featuring low running costs, versatility (can also wash Euronorm as well as Gastronorm trays), advanced ergonomic design. The latest generation, user-friendly, LCD control panel, offers one-button colour-code controls, all within easy reach. Both in-line and corner installation available without additional components.



Technologies

- ECC**
Construction
- EWT**
Wash system
- ERT**
Rinse system
- EDT**
Drain system
- EGI**
Interface
- ELS**
Hood lifting
- ENL**
Noise reduction
- NRG**
Heat recovery

Versions

Model	Code	€
River 382NRG heat recovery system	RV382R+RC	7.282,00

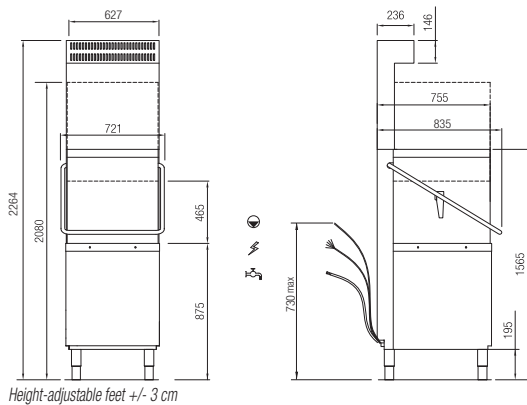


Technical data

Dimensions (WxDxH)	cm	63.5(72)x75.5x218
Door opening height	cm	46.5
Standard cycle times	sec.	60 - 90 - 120
Self-clean cycle		ProClean
Special cycles		ProNew - ProSteel ProWater - ProSan
Rack size	cm	50x50 (54x54)
Max. productivity	racks/h	60
Tank capacity	l	22
Boiler capacity	l	6

Tank element	kW	2.5
Boiler element	kW	8.0
Wash pump	kW	0.7
Rinse pump	kW	0.2
Drain pump	kW	0.2
Heat recovery impeller	kW	0.1
Inlet water pressure	bar	1.5 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.4
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	8.7

Packaging specs

Gross weight	Kg	125+25
Cubic volume	m ³	0.95+0.15

Max. height

(with standard racks)

	cm	44
	cm	44

Options

	Code	€
Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks

	Code	n.
Square plate rack	780131	1
Square glass rack	780132	1
Cutlery basket	712019	1

river 382L*

Features

Double-skinned, hood type dishwasher with 50x60 rack, doubleskinned insulated hood, deep-drawn, rounded tank, hinged steel wire rack support grid, built-in stainless steel tank filter, soft closing hood, peristaltic detergent and rinse aid dispensers adjustable through control panel, drain and pressure boost pump, special wash cycles, self-clean cycle.

Fully-featured model characterised by low consumption, versatility, (can wash bread baskets, 60x40 cm baking tins, pans and utensils), ease of use, advanced ergonomic design. The controls positioned at the top are visible from all angles. Possibility to combine with **WS140** osmosis device.

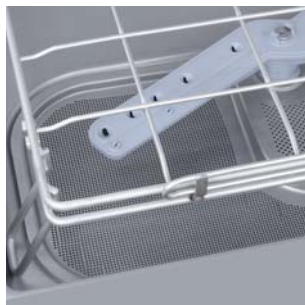


Technologies

- ECC**
Costruzione
- EWT**
Sistema di lavaggio
- ERT**
Sistema di risciacquo
- EDT**
Sistema di scarico
- EGI**
Interfaccia
- ELS**
Sollevamento cappa
- ENL**
Riduzione rumorosità

Versions

Model	Code	€
River 382L	RV382L	6.762,00
River 382LTDE continuous water softener	RV382LS	7.085,00

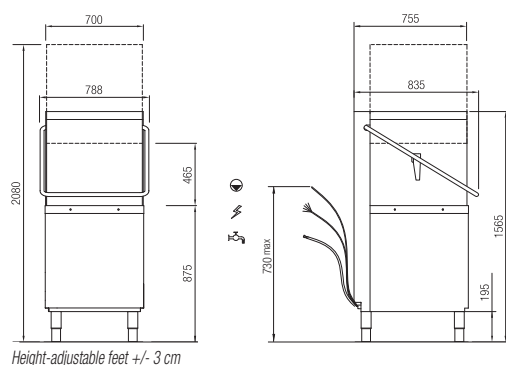


Technical data

Dimensions (WxDxH)	cm	70(79)x75.5x156.5
Door opening height	cm	46.5
Standard cycle times	sec.	60 - 90 - 120
Self-clean cycle		ProClean
Special cycles		ProNew - ProSteel ProWater - ProSan
Rack size	cm	50x60
Max. productivity	racks/h	60
Tank capacity	l	30
Boiler capacity	l	6

Tank element	kW	3.0
Boiler element	kW	9.5
Wash pump	kW	1.5
Rinse pump	kW	0.2
Drain pump	kW	0.2
Inlet water pressure	bar	1.5 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.9
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	20	11.0

Packaging specs

Gross weight	Kg	136
Cubic volume	m ³	1.10

Max. height

(with standard racks)

	cm	44
	cm	44

Options

	Code	€
Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks

	Code	n.
Square plate rack	70180	1
Square glass rack	70181	1
4-compartment cutlery basket	780081	1

river 382L NRG*

Features

Double-skinned, hood type dishwasher with 50x60 rack, deepdrawn, rounded tank, hinged steel wire rack support grid, builtin stainless steel tank filter, soft closing hood, peristaltic detergent and rinse aid dispensers adjustable through control panel, drain and pressure boost pump, special wash cycles, self-clean cycle, heat recovery.

The heat recovery system prevents heat and steam emissions into the environment. Fully-optional model featuring low running costs, versatility (can wash bread baskets, 60x40 cm baking tins, pans and utensils), advanced ergonomic design. The latest generation, user-friendly, LCD control panel, offers one-button colour-code controls, all within easy reach. Both in-line and corner installation available without additional components.

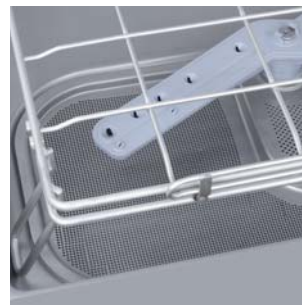


Technologies

- ECC**
Construction
- EWT**
Wash system
- ERT**
Rinse system
- EDT**
Drain system
- EGI**
Interface
- ELS**
Hood lifting
- ENL**
Noise reduction
- NRG**
Heat recovery

Versions

Model	Code	€
River 382LNRG heat recovery system	RV382LR+RC	8.634,00

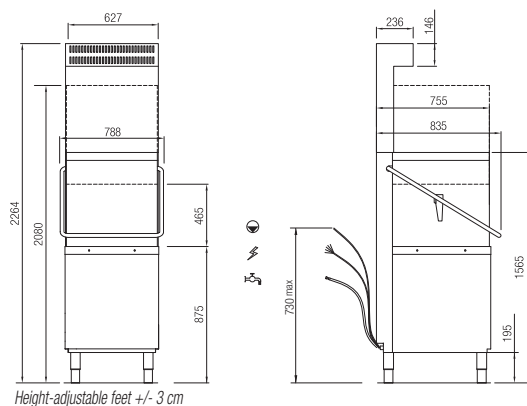


Technical data

Dimensions (WxDxH)	cm	70(79)x75.5x218
Door opening height	cm	46.5
Standard cycle times	sec.	60 - 90 - 120
Self-clean cycle		ProClean
Special cycles		ProNew - ProSteel ProWater - ProSan
Rack size	cm	50x60
Max. productivity	racks/h	60
Tank capacity	l	30
Boiler capacity	l	6

Tank element	kW	3.0
Boiler element	kW	9.5
Wash pump	kW	1.5
Rinse pump	kW	0.2
Drain pump	kW	0.2
Heat recovery impeller	kW	0.1
Inlet water pressure	bar	1.5 → 4
Inlet water temperature	°C	15 → 50
Water consumption	l/Cycle	2.9
Wash water temp.	°C	60
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	20	11.0

Packaging specs

Gross weight	Kg	136+25
Cubic volume	m ³	1.10+0.15

Max. height

(with standard racks)








	cm	44
	cm	44








Options





	Code	€
Electronic level sensor kit (n. 1 unit)	999257	57,00




Standard racks

	Code	n.
Square plate rack	70180	1
Square glass rack	70181	1
4-compartment cutlery basket	780081	1

	Mod.	Dim. (WxDxH) (cm)	Code	€
	P 70	70x57.5x85	80202	343,00
	PA 70 DX	70x71.5x85	80200	455,00
	PA 70 SX	70x71.5x85	80201	455,00
	PA 120 DX	120x71.5x85	80204	636,00
	PA 120 SX	120x71.5x85	80203	636,00
	PAL 70 DX Sink dimensions 50x40	70x71.5x85	80206L700	996,00
	PAL 70 SX Sink dimensions 50x40	70x71.5x85	80205L700	996,00

	Mod.	Dim. (WxDxH) (cm)	Code	€
	PAL 120 DX Sink dimensions 50x40	120x71.5x85	80206	996,00
	PAL 120 SX Sink dimensions 50x40	120x71.5x85	80205	996,00
	PALS 120 DX Sink dimensions 50x40	120x71.5x85	80208	1.071,00
	PALS 120 SX Sink dimensions 50x40	120x71.5x85	80207	1.071,00
	C 15 Spray arm	-	799003	285,00
	Stainless steel caster mounted garbage bin	Ø 40 - h 70	704002	333,00
	Rubber ring		199064	69,00

	Mod.	Dim. (WxDxH) (cm)	Code	€
	PNG 70 Front table for Niagara 381L River 382L - 382LNRG Corner configuration	70x67.5x85	70206	402,00
	PANG 70 DX Front table for Niagara 381L River 382L - 382LNRG Corner configuration	70x77x85	70217	589,00
	PANG 70 SX Front table for Niagara 381L River 382L - 382LNRG Corner configuration	70x77x85	70215	589,00
	PANG 120 DX Front table for Niagara 381L River 382L - 382LNRG Corner configuration	120x77x85	70207	803,00
	PANG 120 SX Front table for Niagara 381L River 382L - 382LNRG Corner configuration	120x77x85	70205	803,00
	PA 80 DX Side table for Niagara 381L River 382L - 382LNRG In-line configuration	80x71.5x85	70230	520,00
	PA 80 SX Side table for Niagara 381L River 382L - 382LNRG In-line configuration	80x71.5x85	70232	520,00

	Mod.	Dim. (WxDxH) (cm)	Code	€
	Open stainless steel plinth for Fast 160-2 - 161-2 Ocean 360 Niagara 351 - 361 River 352 -362	60x60x38	798005	253,00
	Closed stainless steel plinth for Fast 160-2 - 161-2 Ocean 360	60x60x38	798006	315,00
	Closed stainless steel plinth for Niagara 351 - 361 River 352 - 362	60x60x38	798008	315,00
	Rinse booster pump kit	26x14x16	999308	350,00
		Fast 130 - 140 - Ocean 340	999319	143,00
		Fast 150	999336	184,00
	Drain pump kit	Niagara 341	999320	184,00
		Fast 160-2 - 161-2 - 170 - Ocean 360	999324	184,00
		Niagara 351 - 361 - 371	999325	184,00
		Fast 180 - Ocean 380 - Niagara 381 - 381L	70710	184,00
		Fast 130 - 140 - 150 - 160-2 - 161-2 - 170	999321	184,00
	Peristaltic detergent dispenser kit	Ocean 340 - 360 Niagara 341 - 351 - 361 - 371	999322	178,00
		Fast 180 - Niagara 291 - 292 - 293	41953	178,00
		Ocean 380 - Niagara 381 - 381L	41954	178,00
	Peristaltic rinse aid dispenser kit	Niagara 291 - 292 - 293	41952	178,00
	Electronic level sensor kit for Glasswashers, Dishwashers, and Utensil and pot washer of the River range (n. 1 unit)		999257	57,00

Modular construction

The **ProMont** system allows on-the-spot division of the machine into the various elements of which it is made up in order to permit passage through narrow doors or corridors and then easy and safe re-assembly.



Effective loading height 45 cm

Increased by 15% with respect to the previous generation; it also allows to wash very tall objects, trays, containers and utensils.



Double wall construction

Reduces heat dispersion and noise; the doors have a double wall with insulation.



ProClean Construction

Design concept aimed at facilitating cleaning at shift end: wash chambers without internal piping, moulded tanks, double and triple water filtering systems with concentration elements and waste collection.



ProStrainer built-in tank filters

Manufactured in composite material, they are lighter, more resistant, safer and easier to handle than the corresponding features made in steel. Their large surface makes them virtually impossible to clog.



ProGressive sequential filtering

It uses a combination of tank filters and drawer filters in steel, present in every tank, for progressive filtering of the wash water, from where all of the particles with diameter exceeding 1 mm are eliminated. The drawer filters can be extracted for emptying without opening the washing module door. An additional safety water filter is present on the extraction of each individual pump.



XL intensive pre-wash

Measuring 820 mm in length, it has a 70 l tank and a washing system with 3 arms and 36 nozzles with 1500 W double outlet pump. Triple water filtering and full-width door for easier cleaning.



XXL intensive pre-wash

Measuring 1150 mm in length, it has a 70 l tank and a washing system with 5 arms and 60 nozzles with 2700 W double outlet pump. Temperature management system with electronically-controlled water heating and cooling. Triple water filtering and full-width door for easier cleaning.



Heavy duty washing module

Measuring 1150 mm in length, it has a 70 l tank and a washing system with 5 arms and 60 nozzles with 2700 W double outlet pump. Temperature management system with electronically-controlled water heating and cooling. Triple water filtering and full-width door for easier cleaning.



DuoFlow double outlet pump

Thanks to this patent, Colged has been able to eliminate division of the pressurised flow downstream from the wash pump, thus obtaining higher efficiency, fewer pressure drops and lower noise. A **DuoFlow** pump is the same as a traditional pump with approx. 35% higher power.



IdroWash² washing arms

Every arm has 12 "caterpillar" nozzles on convex bosses that generate extremely stable and closely positioned water blades. The arms are mounted very close to each other in a way to realise a real "hydraulic brush" effect, which effectively removes the food soiling from the plates.



Basket conveyor with lateral guides

With respect to the traditional central advancement guide, it allows improved washing of the central area of the basket from below and improved accessibility of the tanks for cleaning. The fingers that move the baskets are in thick steel, while the conveyor slide runs on anti-friction runners in synthetic material.



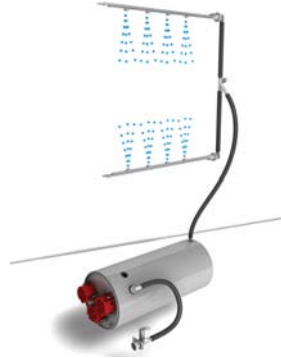
Electronic speed adjustment

It uses an inverter to check the power supply frequency of the baskets drive motor, in order to realise any production between 50 and 300 baskets/hour. In the case of breakdown, the inverter can be by-passed; the dishwasher operates at just one speed.



Rinsing with network pressure

It requires that the water supply feed pressure is constantly between 2 and 4 bar dynamic; if the pressure varies outside of this range, it is essential to install a pressure reducer with pressure gauge (optional) or a pressure increase pump.



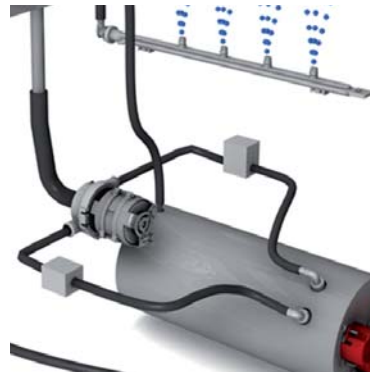
ProRinse constant rinsing

It uses a 200 W rinsing pump with DuoFlow technology to guarantee the pressure and flow rate of rinsing whatever the supply conditions of the water network. Feeding at the boiler takes place through a "break tank" anti-pollution device, which is type-approved in compliance with the English WRAS regulation.



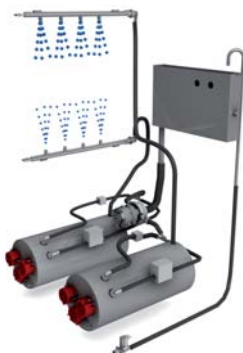
ProPortional variable rinsing

It allows variation of the amount of rinse water depending on dishwasher production. Depending on the washing program selected, it allows a saving in water consumption of up to 25%.



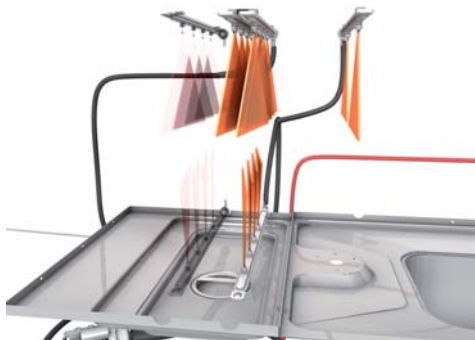
ProPortional_{plus} adaptive variable rinse

With respect to the **ProPortional** system, it allows variation not only of the flow rate depending on the speed, but also the allocation of the rinse between the upper and lower arm. In this way, unnecessary spraying of water from below if plates are being washed, or from above if glasses are being washed, is avoided. This means the saving of water consumption can reach 40%. The system manages two completely separate circuits, starting from a twin boiler with double heat recovery device, each with a **ProPortional** device for flow variation.



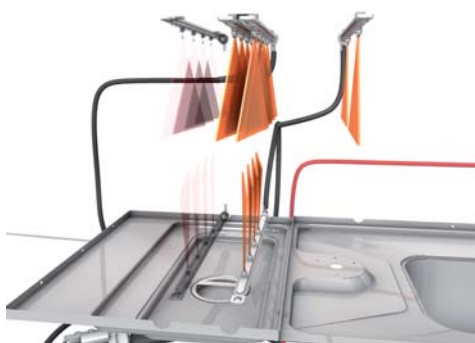
UltraRinse³ multiple rinse (version River MULTI 414)

It allows re-use of the clean final rinse water to perform an intermediate rinse via two upper arms and one lower arm and a pre-rinse via an arm installed at the end of the wash chamber. This third rinse removes most of the detergent that remains in the wash area, without interfering with the rinse water. Rinsing can therefore be performed with very low consumption, up to 0.6 l per basket. It is housed in a module with length measuring 1150 mm, which also contains the **ProWind** intensive drying.



UltraRinse³ multiple rinse (version River MULTI 413)

It allows re-use of the clean final rinse water to perform an intermediate rinse via two upper arms and one lower arm and a pre-rinse via an arm installed at the end of the wash chamber. This third rinse removes most of the detergent that remains in the wash area, without interfering with the rinse water. Rinsing can therefore be performed with very low consumption, up to 0.8 l per basket. It is housed in a module with length measuring 550 mm, which also contains the **ProWind** drying dripping area.



TopRinse built-in rinse

It is the sum of the technologies and systems that allow attainment of very low consumption, to 0.6 l/basket, with unparalleled washing results: **ProRinse** constant rinse; **UltraRinse³** multiple rinse, **HiTech** rinse arms, **ProPortional** or **ProPortionalplus** adaptive rinses.



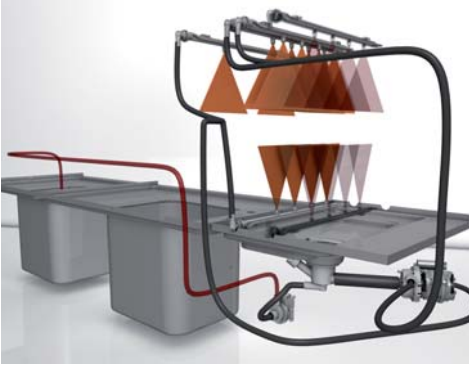
HiTech rinse arms

Realised in injection moulded **ProComposit** material and welded with vibro-welding technology, they have internal ducts that promote the flow of fluid in order to reduce pressure drops. The spray nozzles are in steel with precision mechanical machining.



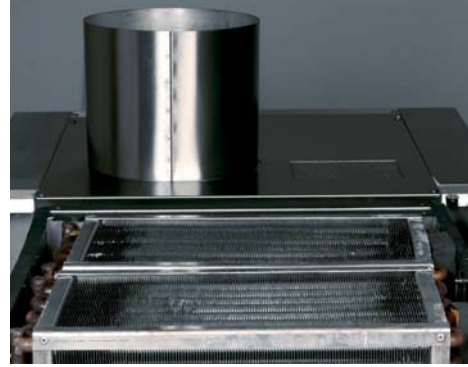
ProChem detergent saving system

Supplies the wash tanks with a fixed quantity of rinse water, conveying the surplus directly into pre-washing via a circulation pump. In this way, detergent consumption is reduced which, according to the model and program selected, can reach values of 50%.



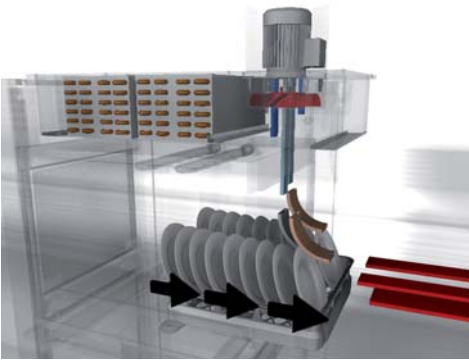
ProPower power management system

It allows adaptation of the electrical absorption from the mains to the productivity and type of supply. According to the model and program selected, it allows an energy absorption saving of up to 20%.



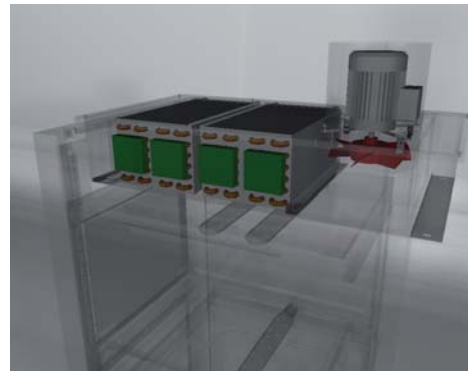
ProSteam heat management system

An overpressure generated in the drying area and a negative pressure generated by the **ProHeat** recovery fan mean that the heated vapour formed in rinsing moves through the machine in the opposite direction to the advancement of the plates, thus heating the colder modules and the tableware.



ProHeat heat recovery system

It uses the latent heat of evaporation contained in the saturated vapour present inside the dishwasher, making it condense and thus heating the cold water directed towards the boiler by approx. 25°C. Depending on the models and programs selected, the energy saving can reach 8 kWh/hour of operation. It uses 2 aluminium/copper heat exchangers, each with a surface area of 25 m², along with a 200 W turbo fan.



ProWind intensive drying

It is housed in the built-in rinse and dry module and includes a 15 cm dripping area. It operates at low temperature (65 °C) for delicate action on the tableware; it uses a high air flow rate (1400 m³/hr) withdrawn from outside the machine and therefore relatively dry, moved by a high power turbo fan (550 W). The air is introduced through two upper slots and pushed upwards by a flow diverter fixed to the bottom of the module. The dryer has a hatch to facilitate cleaning at the end of the day.



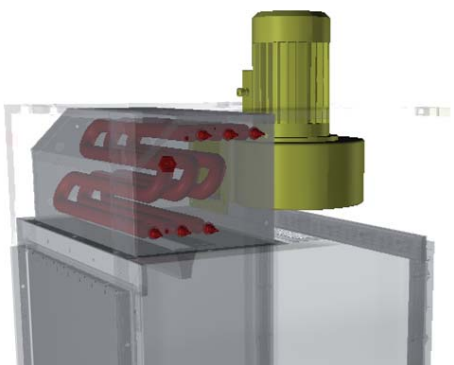
ProActive modules active management system

Each individual module (pre-wash, wash, rinse, drying) is switched-on/off independently from the others only if it contains a basket to wash; it is a system that greatly improves energy efficiency in the case of intermittent work. It also ensures gradual start-up of the pumps and heating elements when the machine is re-started after shutdown; thus preventing current peaks. The position of the baskets is detected by a reliable electro-mechanical sensor. It also acts as a rinse economizer and autotimer.



ProWind drying

It is housed in a cantilever module measuring 600 mm, realised with a double wall. It operates at low temperature (65 °C) for delicate action on the tableware; it uses a high air flow rate (1400 m³/hr) withdrawn from outside the machine and therefore relatively dry, moved by a high power turbo fan (550 W); the air is introduced through two upper slots. The module has a separate unload circuit.



ProSmart interface

It uses a LED multifunction screen with 4 numbers and two variable colour side bars; there are four multifunction keys to program all machine functions, provide information regarding status and operating parameters, selection of programs and to show error messages.



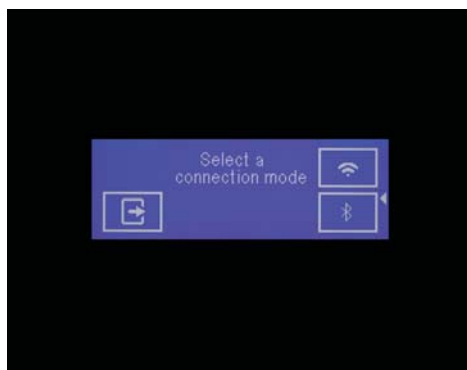
C4I interface

It uses a full touch multifunction screen and two multifunction capacitive keys to program the machine functions, to provide detailed information regarding the status and the operating parameters, select the programs and show error messages. It can be easily connected to the optional remote communication module.



Remote connection via WiFi or Bluetooth

Easy-to-install (plug-in) optional module that allows complete remote management of the dishwasher, through any interface device that has Wi-Fi or Bluetooth connection and the relevant communication program.



Rack-type dishwasher

niagara



Elettrobar proposes an innovative generation of tunnel dishwashers intended to represent the new reference standard of the sector in terms of advantages for the users and price performance ratio.

The **Niagara** rack conveyors are available in two set-up levels:

411 - entrance version with remarkable performance and consumption among the lowest in its category, to 1.3 lt/basket, offered with a highly favourable performance/price ratio

412 - version with most complete equipment, it allows 23% lower consumption with respect to the 411, to 1.0 lt/basket, it has greater versatility of use and higher production, thanks to the very advanced adaptive rinse system

A compact but perfectly articulated range such as **Niagara**, allows each type of user to find its own ideal dishwasher, for maximum washing efficiency, as quickly as possible and with minimum installation and operating costs.

The standard features

- FULL DOUBLE WALL
- INSULATED DOORS
- MOULDED TANKS
- TANK DOUBLE FILTERS
- PROGRESSIVE TRIPLE DRAWER FILTERS
- HIGH EFFICIENCY WASHING
- DOUBLE ENTRY PUMPS
- INTENSIVE PRE-WASH
- CONSTANT RINSING
- ADDITIONAL RINSE
- TIMED WASH
- RINSE ECONOMIZER
- DRYING TUNNEL
- LED SMART INTERFACE
- 4 OR 2 WASHING PROGRAMS
- SPEED ELECTRONIC ADJUSTMENT

High production and excellent results



Thanks to the new washing system with high power double outlet pump and arms with stabilised jet “caterpillar” type nozzles. Concentrated washing with “hydraulic brush” effect. Intensive pre-wash equipped with a powerful wash system the same as that of the wash module. Lateral guides for transport of the baskets that leave the central part completely free. New design drying (optional), enhanced and complete with residual water unload circuit.

Flexibility of use



Thanks to the specialised washing programs (up to four) with different temperatures and specific consumption. The large span of 45 cm allows tins, trays and cumbersome objects to be washed. The consumption adaptation systems mean that not only effectiveness but also washing efficiency are not changed when the programs vary. The single tank machines have reversible advancement with just a few simple operations without the necessity for additional parts.

User friendliness



Thanks to the simple and intuitive control system with soft touch digital interface and LED screen to view the programs, temperatures, operating parameters, self-diagnosis system messages. When present, the detergent and rinse aid dosing devices can be adjusted via software.

Reduced operating costs



Thanks to the newly designed rinse system with arms in advanced design composite material, which allows a substantial reductions in the consumption of water, energy and detergent. The Niagara 412 models have the **ProRinse** system with rinse pump and standard break tank supply, which allows specific consumption to drop to just 1 l per basket. It also has the exclusive **ProPortional** system that adapts consumption to production, with further savings of up to 20%. Standard rinse economizer and timed economizer. Optional heat recovery from the flue gases.

Connectivity



Connectivity guaranteed by the USB port present as per standard on the control board. An optional plug-in type communication interface will be available from January 2016, which will allow communication with the dishwasher in blue tooth or Wi-Fi mode, thus permitting easy adjustment of all parameters via the relevant interface program, as well as the management of the archives relating to the operating temperatures and emergency signals.

Easy cleaning and ergonomics



Thanks to the inherently clean construction with fully moulded tanks, washing chamber without internal piping, removable separation curtains in hygienic material. Built-in tank filters, double safety filter on pump extraction and triple drawer filter (optional on Niagara 411 model) to keep the tank water clean also after intensive use. The large counter-balanced doors with safety latch and the lateral basket guides allow total access to the tanks and the wash chamber for easy cleaning. Full double wall construction (with heat insulated doors) to reduce heat dispersion and noise.

niagara 411.1 - 411.2 412.1 - 412.2

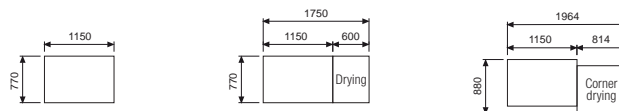


Versions

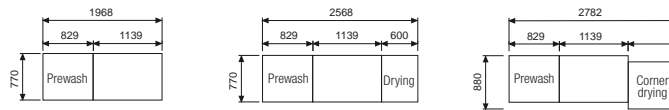
Model		Code	€
Niagara 411.1	Wash - Rinse	T101EB	10.000,00
Niagara 411.2	Prewash - Wash - Rinse	T102EB	16.000,00
Niagara 412.1	Wash - Rinse	T111EBTJ	12.500,00
Niagara 412.2	Prewash - Wash - Rinse	T112EBTJ	18.500,00

Installation diagram

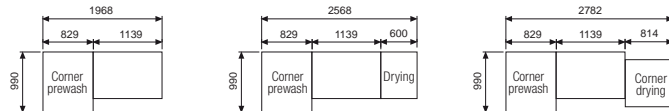
Niagara 411.1 412.1



Niagara 411.2 412.2






Niagara 411.2 412.2 corner prewash



Features	Niagara 411.1	Niagara 411.2	Niagara 412.1	Niagara 412.2
Modular Construction ProMont	•	•	•	•
Entry clearance 45 cm	•	•	•	•
Full double wall construction	•	•	•	•
Fully insulate double wall doors	•	•	•	•
Deep drawn tanks	•	•	•	•
Wasch chambers without internal piping	•	•	•	•
Integral tank strainers ProComposit	•	•	•	•
Drawer-like additional strainer in each tank	-	-	•	•
Progressive water filtering Progressive	-	-	•	•
Safety filters on pumps' intake	•	•	•	•
Heavy duty prewash XL	-	•	-	•
Corner prewash	-	○	-	○
Heavy duty wash module	•	•	•	•
Double flow pumps DuoFlow	•	•	•	•
Wash arms IdroWash²	•	•	•	•
Hydraulic brush cleaning system	•	•	•	•
Side rack rails	•	•	•	•
Electronic control of rack speed	•	•	•	•
Heavy duty dryer ProWind	•	•	•	•
Corner dryer	○	○	○	○
Integrated rinse IsyRinse	•	•	•	•
Integrated rinse ProRinse	-	-	•	•
Water feed via break tank according to WRAS regulation	-	-	•	•
Rinse pump DuoFlow	-	-	•	•
Adaptive rinse ProPortional	-	-	•	•
Rinse arms HiTech	•	•	•	•
Power management ProPower	-	-	•	•
Heat recovery ProHeat	○	○	○	○
Rinse economizer	•	•	•	•
Time controlled wash AutoTimer	•	•	•	•
LED interface ProSmart	•	•	•	•
Two wash programs	•	•	-	-
Four wash programs	-	-	•	•
Fully adjustable	•	•	•	•
Advanced self diagnostic	•	•	•	•
Built-in USB connection	•	•	•	•
Advanced connectivity via Wi-Fi or Bluetooth	○	○	○	○
Pressure reducer with manometer	○	○	•	•
Built-in main switch	○	○	○	○
Emergency switch	○	○	○	○
End limit switch	○	○	○	○
Detergent and rinse aid pumps	○	○	○	○

• Standard - ○ Optional

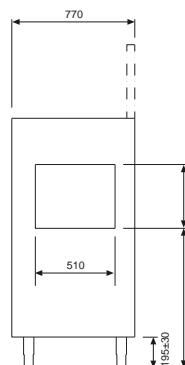
Standard racks

	Code	n.
 Glasses rack	780072	1
 Dishes rack	780135	1
 Cutlery insert	712019	1

Packaging specs

		Niagara 411.1 Niagara 412.1	Niagara 411.2 Niagara 412.2
Gross weight	Kg	282	337
Dim. (WxDxH)	cm	210x180x92	250x180x92
Cubic volume	m ³	3,8	4,5

Large aperture



Technical data	Wash temperat.	Rinse temperat.	Capacity	Rinse consumpt.	Rinse consumpt.
	°C	°C	racks/hr	lt/hr	lt/rack
Niagara 411.1					
High capacity	60	82	120	160	1,3
Prolonged contact *	60	82	60	160	2,7
Niagara 411.2					
High capacity	60	82	200	270	1,4
Prolonged contact *	60	82	110	270	2,5
Niagara 412.1					
High capacity	63	82	160	170	1,1
General purpose	60	82	120	130	1,1
Prolonged contact *	63	82	60	130	2,2
Glasses	60	65	80	170	2,1
Niagara 412.2					
High capacity	63	82	270	280	1,0
General purpose	60	82	200	210	1,1
Prolonged contact *	63	82	110	210	1,9
Glasses (prewash off)	60	65	135	280	2,1

Total Power	Total Power	Total Power
hot feed kW	H.F.+H.R.	cold feed kW
400 V - 50 Hz - 3 ph		
22,0 22,0	24,7 24,7	28,5 28,5
400 V - 50 Hz - 3 ph		
29,5 29,5	34,2 34,2	41,0 41,0
400 V - 50 Hz - 3 ph		
22,2 22,2 22,2 22,2	24,9 24,9 24,9 24,9	28,7 28,7 28,7 28,7
400 V - 50 Hz - 3 ph		
29,7 29,7 29,7 29,7	34,4 34,4 34,4 34,4	41,2 41,2 41,2 41,2

* 2' acc. DIN spec 10534

 Cold feed= 15 - 40 °C
 Hot feed= 40 - 60 °C
 Non-binding technical data

Rack-type dishwasher

river **MULTI**



Elettrobar proposes an innovative generation of tunnel dishwashers intended to represent the new reference standard of the sector in terms of advantages for the users and price performance ratio.

A compact but perfectly articulated range such as **River MULTI**, allows each type of user to find its own ideal dishwasher, for maximum washing efficiency, as quickly as possible and with minimum installation and operating costs.

The **River MULTI** rack conveyor dishwashers are available in a two set-up levels:

414 including heat recovery device and in-line drying tunnel, characterised by very advanced technology and extremely reduced consumption, up to 0.6 lt. per basket.

413 characterised by very advanced technology and extremely reduced consumption, up to 0.8 lt. per basket. Different optional elements allow the machines to have the most suitable configuration for each type of use.

The standard features

- FULL DOUBLE WALL
- MOULDED TANKS
- TANK DOUBLE FILTERS
- PROGRESSIVE TRIPLE DRAWER FILTERS
- HIGH EFFICIENCY WASHING
- DOUBLE ENTRY PUMPS
- ULTRA-INTENSE PRE-WASH
- MULTIPLE RINSE
- ADDITIONAL RINSE
- HEAT RECOVERY DEVICE
- ENERGY FLOW OPTIMISER
- AREAS ACTIVATION OPTIMISER
- SOAP ECONOMIZER
- DRYING TUNNEL
- TOUCH SCREEN INTERFACE
- 5 WASHING PROGRAMS
- SPEED ELECTRONIC ADJUSTMENT
- HOT OR COLD WATER SUPPLY

High production and excellent results



Thanks to the new washing system with high power double outlet pump and arms with stabilised jet “caterpillar” type nozzles. Concentrated washing with “hydraulic brush” effect. Ultra intensive pre-wash equipped with a powerful wash system the same as that of the wash module. Lateral guides for transport of the baskets that leave the central part completely free. New design drying (standard), enhanced and complete with residual water unload circuit, built into the rinse module.

Flexibility of use



Thanks to the specialised washing programs (up to five) with different temperatures and specific consumption; the patented rinse system also has the particularity, unique on the market, of varying the distribution of water, supplying more water from below in the glass and container programs and more water from above in the plate programs, also adapting consumption to production. The large span of 45 cm allows tins, trays and cumbersome objects to be washed.

User friendliness



Thanks to the simple and intuitive control system with full touch screen digital interface and LCD graphic screen to view the programs, temperatures, operating parameters, self-diagnosis system messages. When present, the detergent and rinse aid dosing devices can be adjusted via software.

Costi di esercizio ridotti



Thanks to the newly designed quadruple rinse system with arms in advanced design composite material, which allows a substantial reductions in the consumption of water, energy and detergent. **ProRinse** system with rinse pump and standard break tank supply, which allows specific consumption to drop to just 0.6 l per basket. Exclusive **ProPortionalplus** system that adapts consumption to production, with further savings of up to 20%. Active management of the several **ProActive** modules; standard internal steam condensation latent heat and energy recovery system. Active **ProChem** system for economizer up to 50% of detergents.

Connectivity



Connectivity guaranteed by the USB port present as per standard on the control board. An optional plug-in type communication interface will be available from January 2016, which will allow communication with the dishwasher in blue tooth or Wi-Fi mode, thus permitting easy adjustment of all parameters via the relevant interface program, as well as the management of the archives relating to the operating temperatures and emergency signals.

Easy cleaning and ergonomics



Thanks to the inherently clean construction with fully moulded tanks, washing chamber without internal piping, removable separation curtains in hygienic material. Built-in tank filters, double safety filter on pump extraction and triple drawer filter to keep the tank water clean also after intensive use. The large counter-balanced doors with safety latch and the lateral basket guides allow total access to the tanks and the wash chamber for easy cleaning. Full double wall construction (with heat insulated doors) to reduce heat dispersion and noise.

river MULTI 413.1 - 413.2

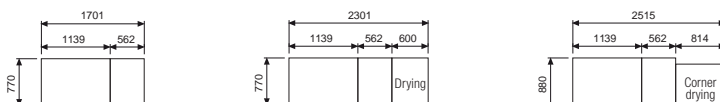


Versions

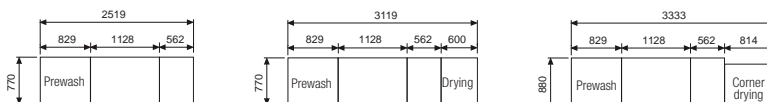
Model		Code	€
River MULTI 413.1	Wash - Multiple Rinse	T201EBTJ	15.700,00
River MULTI 413.2	Prewash - Wash - Multiple Rinse	T202EBTJ	21.700,00

Installation diagram

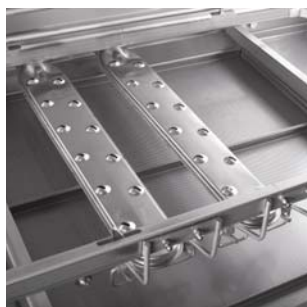
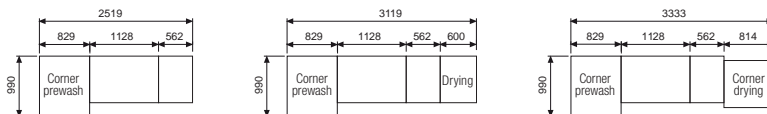
River MULTI 413.1



River MULTI 413.2






River MULTI 413.2 corner prewash



Features	River MULTI 413.1	River MULTI 413.2
Modular Construction ProMont	•	•
Entry clearance 45 cm	•	•
Full double wall construction	•	•
Fully insulate double wall doors	•	•
Deep drawn tanks	•	•
Wasch chambers without internal piping	•	•
Integral tank strainers ProStrainer	•	•
Drawer-like additional strainer in each tank	•	•
Progressive water filtering ProGressive	•	•
Safety filters on pumps' intake	•	•
Heavy duty prewash XL	-	•
Corner prewash	-	○
Heavy duty wash module	•	•
Double flow pumps DuoFlow	•	•
Wash arms IdroWash²	•	•
Hydraulic brush cleaning system	•	•
Side rack rails	•	•
Electronic control of rack speed	•	•
Dedicated rinse module	•	•
Integrated rinse TopRinse	•	•
Constant rinse ProRinse	•	•
Water feed via break tank according to WRAS regulation	•	•
Rinse pump DuoFlow	•	•
Adaptive rinse ProPortional	•	•
Multiple rinse UltraRinse³	•	•
Rinse arms HiTech	•	•
Detergent saving device ProChem	•	•
Power management ProPower	•	•
Heat recovery ProHeat	•	•
Time controlled wash AutoTimer	•	•
Rinse economizer	•	•
Heavy duty dryer ProWind	○	○
Corner dryer	○	○
LED interface ProSmart	•	•
Four wash programs	•	•
Fully adjustable	•	•
Advanced self diagnostic	•	•
Built-in USB connection	•	•
Advanced connectivity via Wi-Fi or Bluetooth	○	○
Detergent and rinse aid pumps	○	○
Built-in main switch	○	○
Emergency switch	○	○

• Standard - ○ Optional

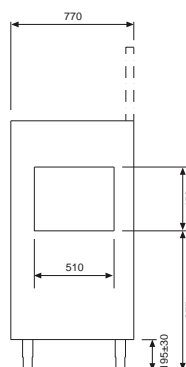
Standard racks

	Code	n.
 Glasses rack	780072	1
 Dishes rack	780135	1
 Cutlery insert	712019	1

Packaging specs

		River 413.1	River 413.2
Gross weight	Kg	380	550
Dim. (WxDxH)	cm	210x180x92	310x180x92
Cubic volume	m ³	3,8	5,6

Large aperture



Technical data	Wash temperat.	Rinse temperat.	Capacity	Rinse consumpt.	Rinse consumpt.	Total Power	Total Power	Total Power
	°C	°C	racks/hr	lt/hr	lt/rack	hot feed kW	H.F.+H.R.	cold feed kW
River MULTI 413.1						400 V - 50 Hz - 3 ph		
High capacity	63	85	200	160	0,8	23,7	24,9	30,2
General purpose	60	85	150	130	0,9	23,7	24,9	30,2
Prolonged contact *	63	85	95	130	1,4	23,7	24,9	30,2
Glasses	60	65	95	160	1,7	23,7	24,9	30,2
River MULTI 413.2						400 V - 50 Hz - 3 ph		
High capacity	63	85	270	220	0,8	28,2	31,1	37,7
General purpose	60	85	200	160	0,8	28,2	31,1	37,7
Prolonged contact *	63	85	140	160	1,1	28,2	31,1	37,7
Glasses (prewash off)	60	65	140	220	1,6	28,2	31,1	37,7

* 2' acc. DIN spec 10534

 Cold feed= 15 - 40 °C
 Hot feed= 40 - 60 °C
 Non-binding technical data

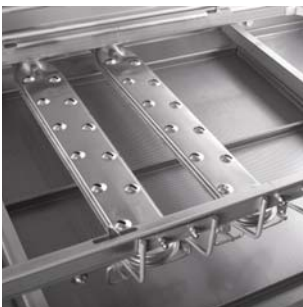
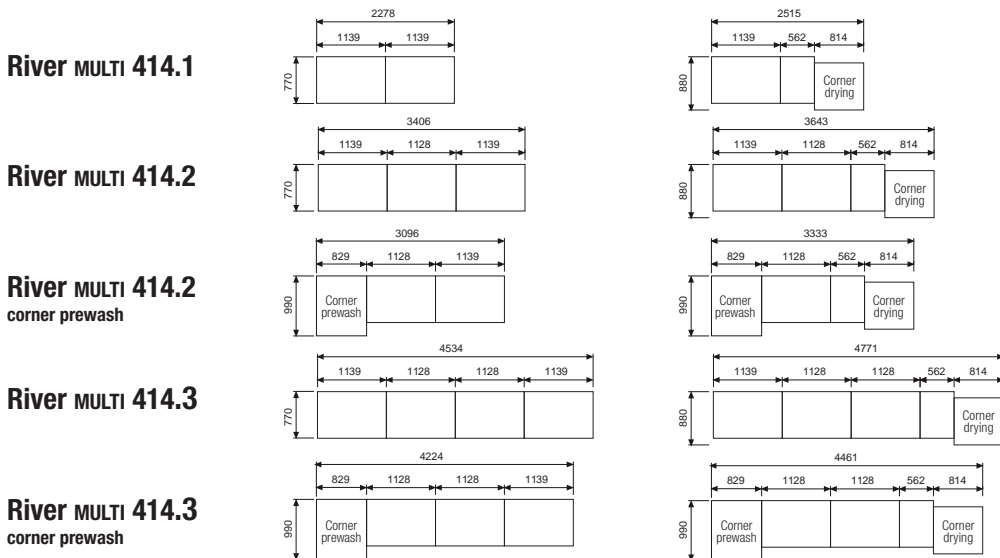
river MULTI 414.1 - 414.2 - 414.3



Versions

Model		Code	€
River MULTI 414.1	Wash - Multiple Rinse - Heat recovery - Drying	T301EBJ	26.000,00
River MULTI 414.2	Prewash - Wash - Multiple Rinse - Heat recovery - Drying	T302EBJ	33.000,00
River MULTI 414.3	Prewash - Wash 1 - Wash 2 - Multiple Rinse - Heat recovery - Drying	T303EBJ	40.000,00




Installation diagram



Features	River MULTI 414.1	River MULTI 414.2	River MULTI 414.3
Modular Construction ProMont	•	•	•
Entry clearance 45 cm	•	•	•
Full double wall construction	•	•	•
Fully insulate double wall doors	•	•	•
Deep drawn tanks	•	•	•
Wasch chambers without internal piping	•	•	•
Integral tank strainers ProStrainer	•	•	•
Drawer-like additional strainer in each tank	•	•	•
Progressive water filtering ProGRESSIVE	•	•	•
Safety filters on pumps' intake	•	•	•
Ultra heavy duty prewash XXL	-	•	•
Corner prewash	-	○	○
Thermostatic control of pre-wash temperature	-	•	•
Switchable pre-wash	-	•	•
Heavy duty wash module	•	•	•
Second heavy duty wash module	-	-	•
Double flow pumps DuoFlow	•	•	•
Wash arms IdroWash²	•	•	•
Hydraulic brush cleaning system	•	•	•
Side rack rails	•	•	•
Rack speed controlled via electronic inverter	•	•	•
Accessible rinse area	•	•	•
Integrated rinse TopRinse	•	•	•
Constant rinse ProRinse	•	•	•
Water feed via break tank according to WRAS regulation	•	•	•
Rinse pump DuoFlow	•	•	•
Adaptive rinse ProPortional^{plus}	•	•	•
Multiple rinse UltraRinse³	•	•	•
Double rinse boiler	•	•	•
Rinse arms HiTech	•	•	•
Detergent saving device ProChem	•	•	•
Power management ProPower	•	•	•
Heat management ProSteam	•	•	•
Heat recovery ProHeat	•	•	•
Active modules' management ProActive	•	•	•
Heavy duty dryer ProWind	•	•	•
Corner dryer	○	○	○
Easy to clean accessible dryer	•	•	•
LCD touch screen interface C4I	•	•	•
Five wash programs	•	•	•
Fully adjustable	•	•	•
Advanced self diagnostic	•	•	•
Built-in USB connection	•	•	•
Advanced connectivity via Wi-Fi or Bluetooth	○	○	○
Detergent and rinse aid pumps	○	○	○
Built-in main switch	○	○	○
Emergency switch	○	○	○

• Standard - ○ Optional

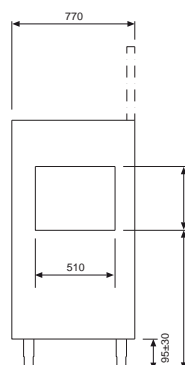
Standard racks

	Code	n.
 Glasses rack	780072	1
 Dishes rack	780135	1
 Cutlery insert	712019	1

Packaging specs

	River 414.1	River 414.2	River 414.3
Gross weight Kg	460	on required	on required
Dim. (WxDxH) cm	310x180x92	on required	on required
Cubic volume m ³	5,6	on required	on required





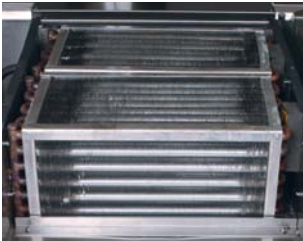
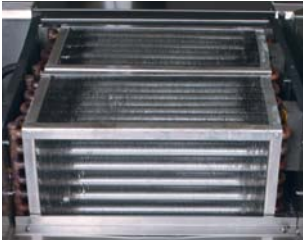
Large aperture









Technical data	Wash temperat. °C	Rinse temperat. °C	Capacity racks/hr	Rinse consumpt. lt/hr	Rinse consumpt. lt/rack	Repart. sup/inf %	Total Power cold feed kW
River MULTI 414.1							400 V - 50 Hz - 3 ph
High capacity	63	82	210	140	0,7	57/43	33,1
General purpose	60	82	160	120	0,8	50/50	33,1
Prolonged contact	60	82	95	120	1,3	50/50	33,1
Intensive	63	82	120	160	1,3	50/50	33,1
Glasses	60	65	120	140	1,2	43/57	33,1
River MULTI 414.2							400 V - 50 Hz - 3 ph
High capacity	63	82	270	170	0,6	59/41	39,8
General purpose	60	82	210	150	0,7	53/47	39,8
Prolonged contact	60	82	165	150	0,9	53/47	39,8
Intensive	63	82	180	200	0,9	50/50	39,8
Glasses (prewash off)	60	65	160	180	1,1	44/56	39,8
River MULTI 414.3							400 V - 50 Hz - 3 ph
High capacity	63	82	300	170	0,6	59/41	42,5
General purpose	60	82	250	170	0,7	59/41	42,5
Prolonged contact	60	82	230	150	0,7	53/47	42,5
Intensive	63	82	210	200	0,9	50/50	42,5
Glasses (prewash off)	60	65	160	180	1,1	44/56	42,5








* 2' acc. DIN spec 10534








 Cold feed= 15 - 40 °C
 Non-binding technical data








	Mod.	Dim. (WxDxH) (cm)	m ³ /h	Volt/kW	Code	€
	Corner prewash module Available from September	82x99x156.5			P	2.150,00
	Electric drying module for Niagara and River MULTI 413.1, 413.2)	60x77x177.5	1400	400/50/3N 6.0 kW +0.55 kW (exhaust)	A	4.170,00
	Corner type electric drying module Available from September	82x87.9x177.5	1400	400/50/3N 6.0 kW +0.55 kW (exhaust)	B	8.210,00
	Exhaust port aspirator for Niagara and River MULTI 413.1, 413.2)	Ø 25 - h 21	700	400/50/3N 0.2 kW	E	1.030,00
	Heat recovery for Niagara and River MULTI 413.1, 413.2)	Ø 25 - h 21	700	400/50/3N 0.2 kW	R	3.540,00
	Heat recovery for reverse osmosis water	Ø 25 - h 21	700	400/50/3N 0.2 kW	Z	7.000,00




Mod.	kW	Code	€
	Rinse aid and detergent dispenser	Y	370,00
	Powered booster for Niagara	+ 9.5 W	275,00
	Selezionatore a bordo macchina	Q	su richiesta
	Built-in main switch	X	170,00
	Bluetooth and WiFi Communication module	K	400,00
	Pressure reducer with pressure gauge for Niagara (411.1, 411.2)	N	250,00

	Mod.	Dim. (WxDxH) (cm)	m ³ /h	Volt/kW	Code	€
	Drying kit (right exit machine) for Niagara and River MULTI 413.1, 413.2)	60x77x177.5	1400	400/50/3N 6.0 kW	65588D	4.650,00
	Drying kit (left exit machine) for Niagara and River MULTI 413.1, 413.2)	60x77x177.5	1400	400/50/3N 6.0 kW	65588S	4.650,00
	Rinse aid and detergent dispensers				65850	385,00
	Powered booster for Niagara			+ 9.5	65587	335,00
	End limit switch				75861	160,00
	Electronic level sensor kit (n. 1 unit)				999257	57,00

	Mod.	Dim. (WxDxH) (cm)	Code	€
	Entry or exit table	70x70x85	75482	584,00
		110x70x85	75483	600,00
	Exit table with drying module	70x70x85	75484	642,00
		110x70x85	75485	670,00
	Mechanized rack-feeding corner unit for right exit machine	60x65x85	75480	1.596,00
	Mechanized rack-feeding corner unit for left exit machine	60x65x85	75481	1.596,00
	Sorting table with sink and splashguard for right exit machine Sink dimensions 50x40	120x70x85	75451	1.162,00
		150x70x85	75452	1.263,00
		180x70x85	75453	1.338,00
	Sorting table with sink and splashguard for left exit machine Sink dimensions 50x40	120x70x85	75456	1.162,00
		150x70x85	75457	1.263,00
		180x70x85	75458	1.338,00
	Sorting table with sink, dump hole and splashguard for right exit machine Sink dimensions 50x40	120x70x85	75446	1.328,00
		150x70x85	75447	1.485,00
		180x70x85	75448	1.630,00

	Mod.	Dim. (WxDxH) (cm)	Code	€
	Sorting table with sink, dump hole and splashguard for left exit machine Sink dimensions 50x40	120x70x85	75441	1.328,00
		150x70x85	75442	1.485,00
		180x70x85	75443	1.630,00
	Straight roller unit with basin and legs with closing element (A) + 4.5 cm longer	110 (114,5) x63x87.5	717066	1.313,00
		160 (164,5) x63x87.5	717067	1.747,00
		210 (214,5) x63x87.5	717086	2.313,00
		260 (264,5) x63x87.5	717087	2.853,00
	Mobile roller unit with baff e-type limit switch	114.5x64x87.5	717069	2.313,00
		164.5x64x87.5	717070	2.727,00
		214.5x64x87.5	717088	3.660,00
	90° roller curve with basin and legs	110x110x87.5	717068	1.954,00
	90° machine-moved curve only for unloading	80x80x87.5	75500	3.555,00
	180° machine-moved curve only for unloading	140x80x87.5	75660	5.717,00
	Double-sided sorting table with hole for right exit machine	160x105x85	717096	1.757,00
		210x105x85	717097	2.010,00
		260x105x85	717098	2.274,00

Mod.	Dim. (WxDxH) (cm)	Code	€
 <p>Double-sided sorting table with hole for left exit machine</p>	160x105x85	717093	1.757,00
	210x105x85	717094	2.010,00
	260x105x85	717095	2.274,00
 <p>Rack-shelf for double-sided sorting table</p>	160x65x60	717114	818,00
	210x65x60	717115	874,00
	260x65x60	717116	934,00
 <p>Link table</p>	100x60	717099	232,00
	130x60	717100	303,00
 <p>Link table with sink and splashback for right exit machine Sink dimensions 50x40</p>	70x70	717101	687,00
 <p>Link table with sink and splashback for left exit machine Sink dimensions 50x40</p>	70x70	717102	687,00
 <p>Link table with sink and splashback for right exit machine Sink dimensions 50x40</p>	100x70	717103	793,00
 <p>TLink table with sink and splashback for left exit machine Sink dimensions 50x40</p>	100x70	717104	793,00

Mod.	Dim. (WxDxH) (cm)	Code	€
 <p data-bbox="470 235 678 324">Link table with sink and splashback for right exit machine</p> <p data-bbox="470 342 678 371">Sink dimensions 50x40</p>	130x70	717105	879,00
 <p data-bbox="470 515 678 604">Link table with sink and splashback for left exit machine</p> <p data-bbox="470 622 678 651">Sink dimensions 50x40</p>	130x70	717106	879,00
 <p data-bbox="470 851 582 880">Rubber ring</p>		199064	69,00

niagara 291

Features

This compact, versatile warewasher occupies less than half a square metre of space and deals effortlessly with 60-litre, up to 60 cm long racks or 60x40 cm baking sheets (with specific optional adapters).

Niagara 291 also accommodates normal plastic 50x50 cm racks without any modifications and can thus be transformed

into a glass or tray or dishwasher; in this latter case, the special Maxi 24-plate rack (code 45320) is available on request which increases theoretical productivity to 720 plates/hour.

Niagara 291 is the ideal solution for confectioners, bakeries, ice-cream stores, restaurants and butchers.



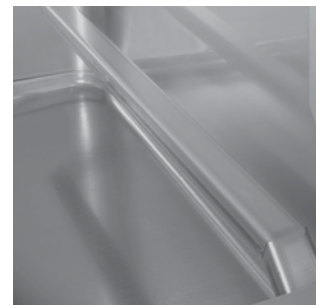
Technologies



Construction

Versions

Model	Code	€
Niagara 291	NG291	3.525,00

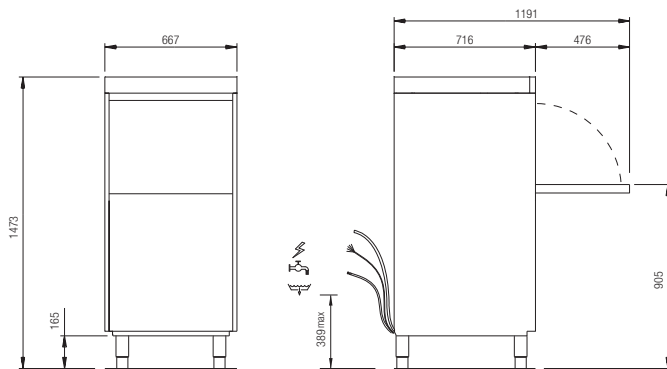


Technical data

Dimensions (WxDxH)	cm	67x72x147
Door opening height	cm	40
Cycles	No	3
Standard cycle times	min.	2 - 4 - 8
Rack size	cm	50x60 (50x50)
Max. productivity	racks/h	30
Tank capacity	l	20
Boiler capacity	l	11

Tank element	kW	3
Boiler element	kW	6
Wash pump	kW	1.1
Inlet water pressure	bar	2 → 6
Inlet water temperature	°C	15
Water consumption	l/Cycle	3.5
Wash water temp.	°C	55
Rinse water temp.	°C	80

Installation diagram



Height-adjustable feet +/- 3 cm

Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	6.8



Packaging specs

Gross weight	Kg	130
Cubic volume	m ³	0.95


Wash chamber dim.

Dim. (WxDxH)	cm	50x60x40
--------------	----	----------

Options

	Code	€
 Rinse aid dispenser kit	41952	178,00
 Peristaltic detergent dispenser kit	41953	178,00

Standard racks

	Code	n.
 Stainless steel rack	706129	1

niagara 292

Features

With a 55x61 cm stainless steel rack and door opening of 65 cm, is able to cover most requirements.

Three wash cycles of 2, 4 and 8 minutes. Newly-designed rack guides reduce effort required at full load and are extremely easy to clean.



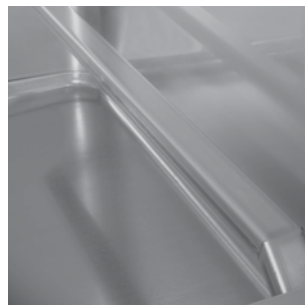
Technologies



Construction

Versions

Model	Code	€
Niagara 292	NG292	5.146,00

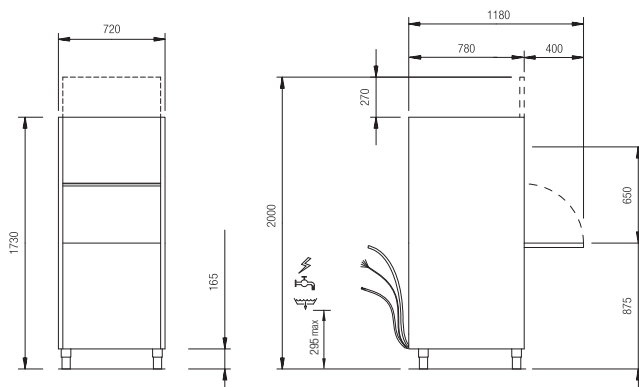


Technical data

Dimensions (WxDxH)	cm	72x78x173
Door opening height	cm	65
Cycles	No	3
Standard cycle times	min.	2 - 4 - 8
Rack size	cm	56x63
Max. productivity	racks/h	30
Tank capacity	l	37
Boiler capacity	l	11

Tank element	kW	3
Boiler element	kW	6
Wash pump	kW	1.4
Inlet water pressure	bar	2.5 → 6
Inlet water temperature	°C	15
Water consumption	l/Cycle	4
Wash water temp.	°C	55
Rinse water temp.	°C	80

Installation diagram



Height-adjustable feet +/- 3 cm

Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	7.4



Packaging specs

Gross weight	Kg	170
Cubic volume	m ³	1.55


Wash chamber dim.

Dim. (WxDxH)	cm	56x63x65
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Options

	Code	€
 Rinse aid dispenser kit	41952	178,00
 Peristaltic detergent dispenser kit	41953	178,00

Standard racks

	Code	n.
 Stainless steel rack	41305	1

niagara 293

Features

With its 55x61-cm rack and ergonomic split door with an opening of 85 cm, it can also wash large baking tins and also 100-l racks and cake tins and moulds of various shape and size.

Newly-designed rack guides reduce effort required at full load and are extremely easy to clean.

Three wash cycles of 2, 4 and 8 minutes.



Technologies



Versions

Model	Code	€
Niagara 293	NG293	6.015,00

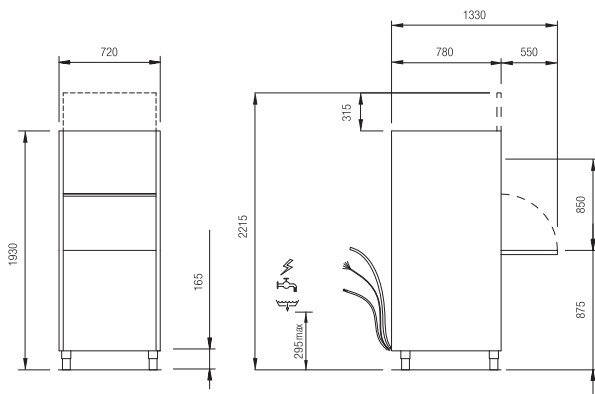


Technical data

Dimensions (WxDxH)	cm	72x78x193
Door opening height	cm	85
Cycles	No	3
Standard cycle times	min.	2 - 4 - 8
Rack size	cm	56x63
Max. productivity	racks/h	30
Tank capacity	l	37
Boiler capacity	l	11

Tank element	kW	3
Boiler element	kW	6
Wash pump	kW	1.7
Inlet water pressure	bar	2.5 → 6
Inlet water temperature	°C	15
Water consumption	l/Cycle	4
Wash water temp.	°C	55
Rinse water temp.	°C	80

Installation diagram



Height-adjustable feet +/- 3 cm

Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	7.7



Packaging specs

Gross weight	Kg	196
Cubic volume	m ³	1.55


Wash chamber dim.

Dim. (WxDxH)	cm	56x63x85
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Options

	Code	€
 Rinse aid dispenser kit	41952	178,00
 Peristaltic detergent dispenser kit	41953	178,00

Standard racks

	Code	n.
 Stainless steel rack	41305	1

river 294

Features

This compact, versatile warewasher occupies less than half a square metre of space and deals effortlessly with 60-litre, up to 60 cm long racks or 60x40 cm baking sheets (with specific optional adapters).

The River 294 also accommodates normal plastic 50x50 cm racks without any modifications and can thus be transformed

into a glass or tray or dishwasher; in this latter case, the special Maxi 24-plate rack (code 45320) is available on request which increases theoretical productivity to 720 plates/hour.

The River 294 is the ideal solution for confectioners, bakeries, ice-cream stores, restaurants and butchers. Standard rinse aid and detergent dispensers.



Technologies



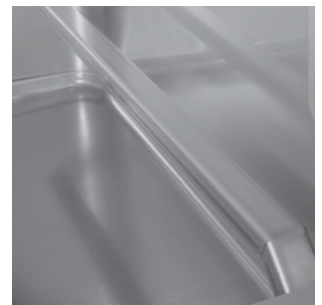
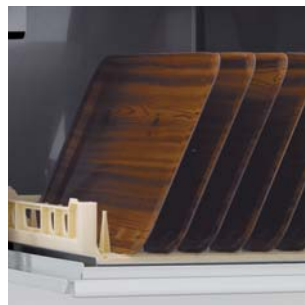
Construction



Rinse system

Versions

Model	Code	€
River 294	RV294	4.156,00

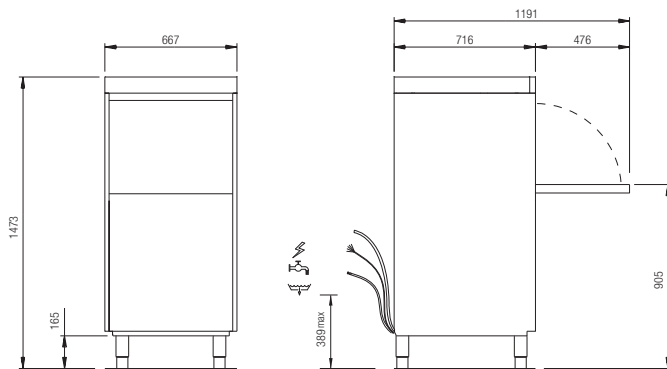


Technical data

Dimensions (WxDxH)	cm	67x72x147
Door opening height	cm	40
Cycles	No	11
Standard cycle times	min.	2 → 12
Rack size	cm	50x60 (50x50)
Max. productivity	racks/h	30
Tank capacity	l	20
Boiler capacity	l	7

Tank element	kW	3
Boiler element	kW	6
Wash pump	kW	1.1
Rinse pump	kW	0.2
Inlet water pressure	bar	1 → 6
Inlet water temperature	°C	15
Water consumption	l/Cycle	3.5
Wash water temp.	°C	55
Rinse water temp.	°C	80

Installation diagram



Height-adjustable feet +/- 3 cm

Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	6.8


Packaging specs

Gross weight	Kg	130
Cubic volume	m ³	0.50


Wash chamber dim.

Dim. (WxDxH)	cm	50x60x40
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Options

	Code	€
 Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks

	Code	n.
 Stainless steel rack	706129	1

river 295

Features

With a 55x61 cm stainless steel rack and door opening of 65 cm, is able to cover most requirements.

Standard equipment includes detergent and rinse aid dispensing system, electronically regulated from the control panel.

It can also be fitted with specific sensors (optional) that indicate the need to top up detergent level. Newly-designed rack guides reduce effort required at full load and are extremely easy to clean. Eleven wash cycles of 2 to 12 minutes.



Technologies



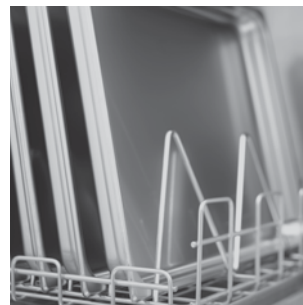
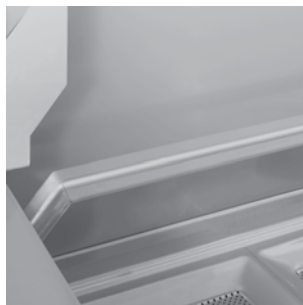
Construction



Rinse system

Versions

Model	Code	€
River 295	RV295	6.180,00
River 295 P	RV295PS	6.393,00

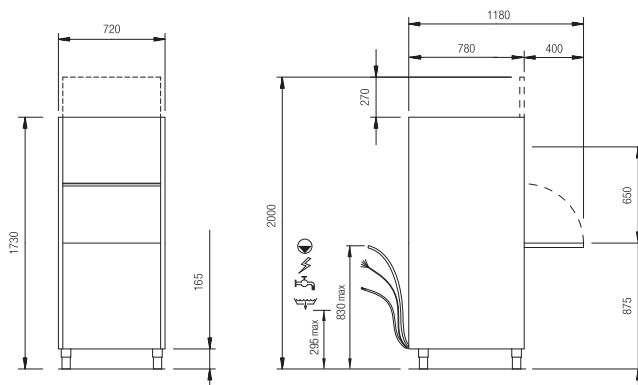


Technical data

Dimensions (WxDxH)	cm	72x78x173
Door opening height	cm	65
Cycles	No	11
Standard cycle times	min.	2 → 12
Rack size	cm	56x63
Max. productivity	racks/h	30
Tank capacity	l	37
Boiler capacity	l	7

Tank element	kW	3
Boiler element	kW	6
Wash pump	kW	1.4
Rinse pump	kW	0.2
Inlet water pressure	bar	1 → 6
Inlet water temperature	°C	15
Water consumption	l/Cycle	4
Wash water temp.	°C	55
Rinse water temp.	°C	80

Installation diagram



Height-adjustable feet +/- 3 cm

Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	7.4


Packaging specs

Gross weight	Kg	170
Cubic volume	m ³	1.55


Wash chamber dim.

Dim. (WxDxH)	cm	56x63x65
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Options

	Code	€
 Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks

	Code	n.
 Stainless steel rack	41305	1

river 296

Features

With its 55x61 cm rack and ergonomic split door with an opening of 85 cm, it can also wash large baking tins and also 100-l racks and cake tins and moulds of various shape and size.

Newly-designed rack guides reduce effort required at full load and are extremely easy to clean.

Standard equipment includes detergent and rinse aid dispensing system, electronically regulated from the control panel.

It can also be fitted with specific sensors (optional) that indicate the need to top up detergent level. Eleven wash cycles of from 2 to 12 minutes.



Technologies



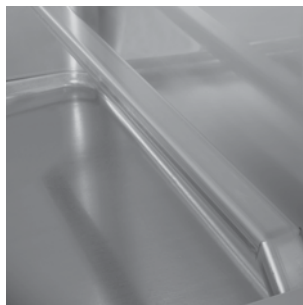
Construction



Rinse system

Versions

Model	Code	€
River 296	RV296	6.940,00
River 296 P	RV296PS	7.150,00

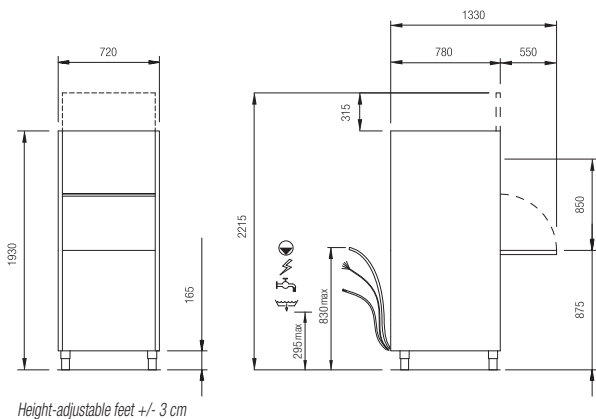


Technical data

Dimensions (WxDxH)	cm	72x78x193
Door opening height	cm	85
Cycles	No	11
Standard cycle times	min.	2 → 12
Rack size	cm	56x63
Max. productivity	racks/h	30
Tank capacity	l	37
Boiler capacity	l	7

Tank element	kW	3
Boiler element	kW	6
Wash pump	kW	1.7
Rinse pump	kW	0.2
Inlet water pressure	bar	1 → 6
Inlet water temperature	°C	15
Water consumption	l/Cycle	4
Wash water temp.	°C	55
Rinse water temp.	°C	80

Installation diagram



Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	16	7.7


Packaging specs

Gross weight	Kg	196
Cubic volume	m ³	1.55


Wash chamber dim.

Dim. (WxDxH)	cm	56x63x85
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Options

	Code	€
 Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks

	Code	n.
 Stainless steel rack	41305	1

river 297

Features

Ideal for the gastronomy and collective catering, features a 70x70 cm rack and useful clearance of 85 cm. Standard equipment includes detergent and rinse aid dispensing system, electronically regulated from the control panel. It can also be fitted with specific sensors (optional) that indicate the need to top up detergent level.

Newly-designed rack guides reduce effort required at full load and are extremely easy to clean. Eleven wash cycles of from 2 to 12 minutes.



Technologies



Construction



Rinse system

Versions

Model	Code	€
River 297	RV297	9.900,00

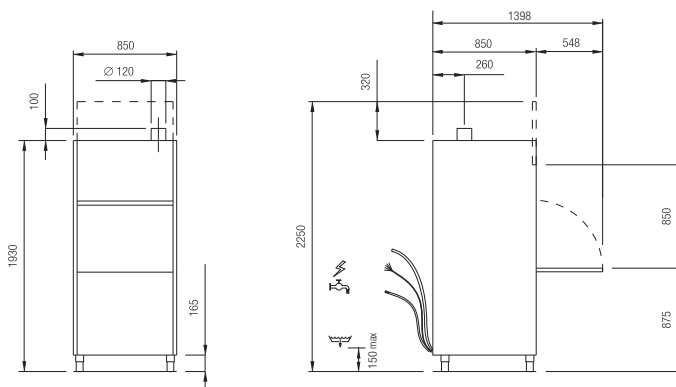


Technical data

Dimensions (WxDxH)	cm	85x85x193
Door opening height	cm	85
Cycles	No	11
Standard cycle times	min.	2 → 12
Rack size	cm	70x70
Max. productivity	racks/h	30
Tank capacity	l	68
Boiler capacity	l	7

Tank element	kW	8
Boiler element	kW	8
Wash pump	kW	3
Rinse pump	kW	0.2
Inlet water pressure	bar	1 → 6
Inlet water temperature	°C	15
Water consumption	l/Cycle	5
Wash water temp.	°C	55
Rinse water temp.	°C	80

Installation diagram



Height-adjustable feet +/- 3 cm

Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	25	11


Packaging specs

Gross weight	Kg	205
Cubic volume	m ³	1.72


Wash chamber dim.

Dim. (WxDxH)	cm	70x70x85
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Options

	Code	€
 Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks

	Code	n.
 Stainless steel rack	42305	1

river 298

Features

With its 132x70 cm rack and ergonomic split door with an opening of 85 cm, deals quickly and efficiently with large quantities of even very bulky objects.

Maximum flexibility of use is assured by an exclusive half-load function which activates only one of the two wash pumps and one of the two rinse pumps.

Newly-designed rack guides reduce effort required at full load and are extremely easy to clean. Standard equipment includes detergent and rinse aid dispensing system, electronically regulated from control panel. It can also be fitted with specific sensors (optional) that indicate the need to top up detergent level. Eleven wash cycles of from 2 to 12 minutes.



Technologies



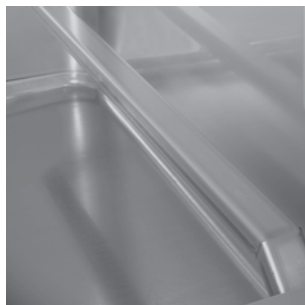
Construction



Rinse system

Versions

Model	Code	€
River 298	RV298	15.800,00

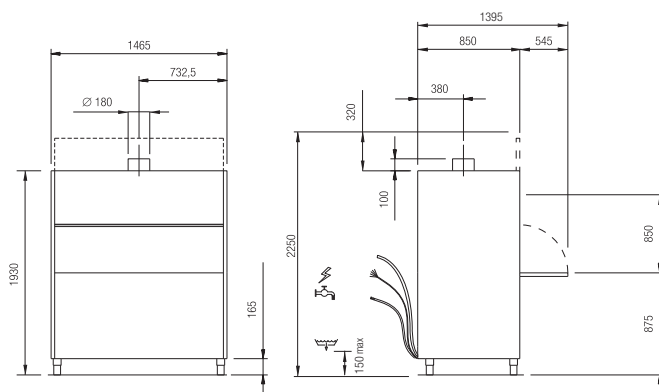


Technical data

Dimensions (WxDxH)	cm	146.5x85x193
Door opening height	cm	85
Cycles	No	11
Standard cycle times	min.	2 → 12
Rack size	cm	131x70
Max. productivity	racks/h	30
Tank capacity	l	131
Boiler capacity	l	17
Tank element	kW	9.5

Boiler element	kW	9.5
Wash pump	kW	3 (x2)
Rinse pump	kW	0.2 (x2)
Inlet water pressure	bar	1 → 6
Inlet water temperature	°C	15
Water consumption	l/Cycle	8
Wash water temp.	°C	55
Rinse water temp.	°C	80

Installation diagram



Height-adjustable feet +/- 3 cm

Power supply

Installed power	Amp	kW
400 V - 50Hz - 3N ph	32	15.5


Packaging specs

Gross weight	Kg	350
Cubic volume	m ³	3.50


Wash chamber dim.

Dim. (WxDxH)	cm	131x70x85
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Options


















	Code	€
 Electronic level sensor kit (n. 1 unit)	999257	57,00

Standard racks









	Code	n.
 Stainless steel rack	43305	1




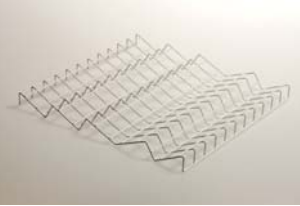







	Mod.	Dim. (WxDxH) (cm)	 Ø (cm)	Code	€
	Square plat rack for glasses	35x35x15		983063	42,00
		38.5x38.5x10		983055	40,00
		38.5x38.5x15		983056	43,00
		40x40x10		983061	46,00
		40x40x15		983062	48,00
		45x45x10		983068	61,00
		50x50x15		983032	62,00
	Round rack	Ø 35 - h 11		706095	43,00
		Ø 35 - h 16.5		706107	49,00
		Ø 38.5 - h 11		983060	49,00
		Ø 38.5 - h 16.5		983015	49,00
	Square sloping rack 3 rows	38.5x38.5x17	11	983041	60,00
		40x40x17	11	983081	60,00
	Square sloping glasses rack 4 rows	38.5x38.5x17	8.5	983038	62,00
		40x40x17	8.5	983066	62,00
	Square sloping glasses rack 4 rows	50x50x17	11	983083	68,00
	Square sloping glasses rack 5 rows	50x50x17	8	983082	79,00

	Mod.	Dim. (WxDxH) (cm)	n.	● Ø (cm)	Code	€
	Square sloping dishes rack	45x45	14	24	983067	62,00
		50x50	18	24	983027	58,00
	Square sloping dishes rack For Hood-Type Machine	54x54	22	27	983030	70,00
	Wire square dishes rack	50x50	8	33	983027	58,00
	Wire square dishes rack For Hood-Type Machine	54x54	11	33	983030	70,00
	Wire square trays rack	50x50	8	48x37	983027	58,00
	Wire square trays rack For Hood-Type Machine	54x54	11	48x37	983030	70,00
	Square dishes rack	50x50			983033	87,00
	Insert for saucers	30x10x8	15		712004	15,00





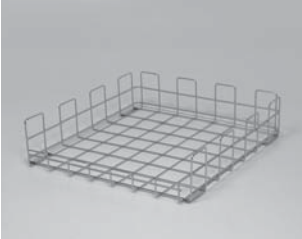


			 13 cm	 16.5 cm	 21 cm
Glasses rack 50x50 cm Ø 11.3 cm n. 16					
	780089 € 83,00		780093 € 100,00		780097 € 118,00
Glasses rack 50x50 cm Ø 9 cm n. 25					
	780090 € 86,00		780094 € 105,00		780098 € 124,00
Glasses rack 50x50 cm Ø 7.3 cm n. 36					
	780091 € 88,00		780095 € 111,00		780099 € 131,00
Glasses rack 50x50 cm Ø 6.3 cm n. 49					
	780092 € 94,00		780096 € 119,00		780100 € 137,00

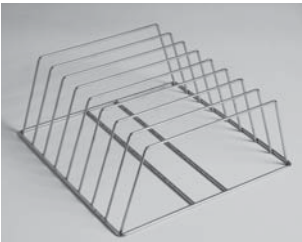



			 16.5 cm	 21 cm
Sloping glasses rack 50x50 cm Ø 11.3 cm n. 16				
	780101 € 105,00		780103 € 125,00	
Sloping glasses rack 50x50 cm Ø 9 cm n. 25				
	780102 € 114,00		780104 € 133,00	

	Mod.	Dim. (WxDxH) (cm)	n.	Ø (cm)	Code	€
	Flat square glasses rack	35x35x11			706131	38,00
	for Fast 140 Ocean 340	39x39x15			706133	51,00
	for Niagara 341 River 342	40x40x15			706140	51,00
	Sloping insert for glasses for 706133 - 706140 racks				706138	15,00
	Flat square glass rack	45x45x10.6			780128	51,00
	Round glass rack for Niagara 341 River 342	Ø 40 - h 18			706143	51,00
	Round rack support grid for Fast 130	Ø 35			433022	24,00
	Round rack support grid for Fast 140 Ocean 340	Ø 37.5			433023	24,00
	Round rack support grid for Niagara 341 River 342	Ø 40			433024	24,00
	Round rack kit for Niagara 341 River 342 1 grid (433024) 2 round rack (706143)				999290	125,00

	Mod.	Dim. (WxDxH) (cm)	n.	Ø (cm)	Code	€
	Universal wide mesh rack	50x50			780135	51,00
	Sloping insert for glasses for 780135 racks				780136	15,00
	Sloping cup insert for 780135 racks				780082	31,00
	Square glasses rack	50x50			780132	42,00
	Glasses rack	50x60			70181	97,00
	Sloping plate insert for 706133 - 706140 780135 racks				780130	15,00
					With 1 insert: 9 plates - Ø 29 cm	
					With 2 inserts: 18 plates - Ø 19 cm	
	Square plate rack	45x45	12	24	780129	51,00
	Square plate rack	50x50	18	24	780072	53,00

	Mod.	Dim. (WxDxH) (cm)	n.	Ø (cm)	Code	€
	Square plate rack	50x50	15	28	780073	56,00
	Square plate rack	50x50	9	38	780074	63,00
	Square plate rack	50x50			780131	42,00
	Plate rack	50x60	22	24	70180	97,00
	Square tray rack	50x50	6	53x37	780106	65,00
	Square tray rack	50x50	4	53x37	780077	128,00
	Tray rack	50x60	10	53x37	70182	97,00
	Square flatware rack	50x50			780080	56,00

	Mod.	Dim. (WxDxH) (cm)	n.	Ø (cm)	Code	€
	Cutlery basket	10.5x10.5x14			712019	8,00
	Cutlery basket with 4 divisions	21.7x21.7x13.4			780081	25,00
	Stainless steel rack for Niagara 291 and River 294	60x50			706129	187,00
	Stainless steel rack for Niagara 292 - 293 and River 295 - 296	56x63			41305	206,00
	Stainless steel rack for River 297	70x70			42305	247,00
	Stainless steel rack for River 298	131x70			43305	510,00
	Rack grid for Niagara 291 River 294				35530	71,00

	Mod.	Dim. (WxDxH) (cm)	n.	Ø (cm)	Code	€
	Stainless steel insert for 8 baking tins Max. depth 4 cm	50x50			H.324660	147,00
	Stainless steel insert for 5 baking tins Max. depth 6.5 cm	50x50			712018	170,00
	Stainless steel insert for funnels and piping bags	Ø 17			706128	45,00
	Stainless steel container for cutlery and utensils	15x15			712017	61,00

WS140

REVERSE OSMOSIS DEVICE

Features

The reverse osmosis device can be considered the most efficient water treatment option available on the market. The **WS140** device is designed for industrial dishwashers: it is compact, has an hourly capacity of 120 l/h and also features external prefiltering.

It is extremely effective in eliminating chlorine, impurities and mineral salts contained in inlet water. Its reduced footprint facilitates also horizontal installation. Very simple, cost-effective ordinary maintenance.



Versions

Model		Code	€
WS140	Reverse osmosis device	OWS140	2.120,00



Composition of the integrated system

The Elettrobar integrated system combines a high performance dishwasher of the **River*** range, a **WS140** reverse osmosis device and special detergents for demineralised water.

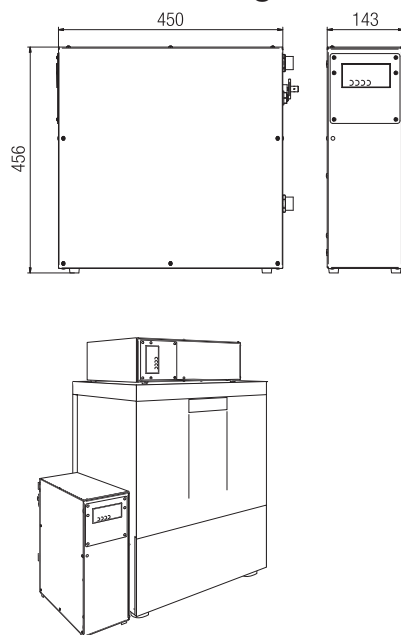
Technical data

Dimensions (WxDxH)	cm	15x45x45
Protection rating IP		44x45x16
Membrane	No	3012 300GPD
Max. flow rate at 15 °C	l/h	120
Sound level	Db	90
Percentage recovery (with standard capillary)	%	50
Life of carbon filter (with softened water)	h	10.600
“Optimised” flow rate (with bypass)	l/h	140

Water supply characteristics

Type of water		Drinkable
Water min. temperature	°C	5
Water max. temperature	°C	30
Min. rate of flow	l/h	400
Max. supply pressure	bar	3
Min. supply pressure	bar	1.5

Installation diagram



Power supply

Installed power	Amp	kW
230 V - 50 hz - 1N ph	3	0.2

Packaging specs

Gross weight	Kg	136
Dim. (WxDxH)	cm	60x55x73
Cubic volume	m ³	0,25

Spares

	Code	€
Carbon filter (pack of 6)	448121	313,00

Detergents for demineralised water

	Code	€
ALL WASH (pack of four 6-litre bottles) Liquid detergent for demineralised water	131332	127,00
OSMO RINSE (pack of four 5-litre bottles) Rinse aid for demineralised water	131333	158,00

HYDRO 7M

Reverse Osmosis Device

Features

HYDRO 7M is a high capacity 7-membrane reverse osmosis system for rack conveyor dishwashers and utensil washers.



Details



Diagram of machine interior


Versions

Model	Code	€
HYDRO 7M Reverse Osmosis Device	708027	6.200,00

Power supply

Installed power	Amp	kW
230 V - 50 hz - 1N ph	4	0.6


Spares

	Code	€
 Carbon filters MEDIUM (6 pz pack)	448122	354,00



Specification

Dim. (WxDxH)	cm	49x44,5x75
Osmosis water production	l/h	420








Accessories

	Code	€
 Accumulation tank with recirculation pump for HYDRO 7M recommended for speeding up the tank loading phase. Mandatory for dishwashers without Break Tank. Dimensions: 32x50x68 cm.	708028	2.000,00

Detergents for demineralised water

	Code	€
 ALL WASH (pack of four 6-litre bottles) Liquid detergent for demineralised water	131332	127,00
 OSMO RINSE (pack of four 5-litre bottles) Rinse aid for demineralised water	131333	158,00

	Mod.	Dim. (WxDxH) (cm)	Code	€
	Double 20 Automatic water softener	36x36x58,5 Performance: 1200 Lt/H	708026	1.768,00
	By-pass for Double 20		K14508	111,00
	Manual water softner 8 l	24x19x42	708001	113,00
	Manual water softner 12 l	24x19x52	708002	124,00
	Manual water softner 16 l	24x19x62	708003	168,00
	Manual water softner 20 l	24x19x71	708004	201,00

	Mod.	Code	€
	PRO WASH 1 Liquid detergent for soft water Pack of 4 x 6-litre bottles.	131318	97,00
	PRO WASH 2 Liquid detergent for hard water Pack of 4 x 6-litre bottles.	131316	119,00
	ALL WASH Liquid detergent for demineralised water Pack of 4 x 6-litre bottles.	131332	127,00
	PRO WASH SPECIAL Liquid detergent for aluminium Pack of 4 x 6-litre bottles.	131313	106,00
	PRO RINSE Rinse aid for soft water Pack of 4 x 5 litre bottles.	131320	101,00
	PRO RINSE H Rinse aid for hard water Pack of 4 x 5 litre bottles.	131321	119,00
	OSMO RINSE Rinse aid for demineralised water Pack of 4 x 5 litre bottles.	131333	158,00

WHEELBURN

Condizioni di vendita

Prices:	The prices indicated are ex our works, excl. VAT
Packaging:	Standard cardboard packing included.
Installation:	At your expense
Maintenance and servicing:	At your expense
Warranty:	All mechanical and electrical parts are warranted for 12 months from date of installation and for maximum 15 months from date of purchase (date of issue of invoice). Parts liable to normal wear are not covered by warranty. The warranty does not cover labour charges and any other necessary expenses.
Shipment:	Carriage paid with debiting in invoice if carried out by our conventional forwarding agents; carriage forward in the case of other forwarding agents. Eurotec srl shall not be held responsible for any damage caused during transport.
Payment:	As agreed.



SAI GLOBAL
ISO 9001
Quality



SAI GLOBAL
ISO 14001
Environmental

ELETTROBAR

TW Food Equipment Group

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