

niagara



These machines are characterised by their compact external dimensions, thanks to the rinsing system being incorporated in the wash module. The user interface is the acclaimed LED **ProSmart**, which provides simple and intuitive control of machine functions. Another fundamental feature is the low water consumption, which on some machines is as low as 1,1 litres per rack. All models are equipped as standard with the autotimer and rinse economizer, as well as integral steel filters in the wash tank. A wide choice of optional accessories, tables and rollerways means that the machine can be adapted perfectly to any installation requirements.

The range is divided into two types, according to the rinse technology used:

Niagara 411 with mains water supply pressure (we recommend installing a pressure regulator with a pressure gauge, in cases where the supply pressure is not constantly equal to or greater than 2 bar).

Niagara 412 with a boiler pressurised by a dedicated pump and water supplied via a steel break tank. In this case, water consumption is always constant regardless of the mains supply pressure, thereby allowing the full potential of the washing system to be used.



411.1

PROGRAMS

Program 1	racks/hour	120
Program 2	racks/hour	60
Program 3	racks/hour	
Program 4 (glassware)	racks/hour	
Wash temperature	°C	60
Rinse temperature	°C	80
Glassware program rinse temperature	°C	
IsyRinse rinse system		●
ProRinse rinse system		
Break tank and rinse pump		
ProPortional adaptive flow system		
Maximum economy obtainable	%	
Maximum water consumption	litres/hour	150
Minimum specific consumption	litres/rack	1,3

ELECTRICAL POWER SUPPLY

Power with 15°C water supply	W	28.500
Power with heat recovery system	W	24.700
Power with 50°C water supply	W	22.000

FEATURES

Full double wall construction		●
Double-skin insulated door		●
Fully moulded wash tanks		●
Wasch chambers without internal piping		●
Integral tank strainers ProStrainer		●
Stainless steel integral tank filter		
Prefilter in each tank with ProGressive sequential filtering		○
Pump suction line safety filters		●
Heavy duty prewash XL		
DuoFlow pre-wash pump	W	
Corner prewash		
Wash module with integrated rinsing		●
DuoFlow wash pump	W	1.500
Side rack rails		●
Dryer ProWind		○
Dryer DuoWind		○
Corner dryer		○
Stainless steel rinse arms		●
Heat recovery ProHeat		○
Heat pump		○
Rinse economizer		●
AutoTimer timer controlled washing		●
LED interface ProSmart		●
Fully adjustable		●
Advanced self diagnostic		●
Built-in USB connection		○
Pressure reducer with manometer		○
Emergency stop switch		○
Travel limit microswitches		○
Detergent and rinse aid dispensers		○



Heat pump

A system with high thermodynamic efficiency that heats the water before it enters the boiler, using heat gained from condensing the steam present inside the wash tank.



Neutral zone module

(wash and rinse zone) for Mistral and River MULTI

550 mm long, this module is equipped with an inspection door and is recommended for applications where continuous washing of longer items up to 600 mm in length, to avoid the possibility of the washing water mixing with the rinse water.



Neutral zone entry module

300 mm long, this module can be ordered in combination with machines of any model.



Detergent and rinse aid dosing devices

Peristaltic with electronic adjustment, mounted inside the machine.



Emergency switches

The manual reset type; they are positioned in inlet or outlet according to the layout of the washing area.



Pressure reducer with pressure gauge

For the Niagara 411 family only, it is essential when the feed pressure is not constant and deviated greatly from the optimal value of 2 bar.



Isolating switch on the machine

Installed in an easily accessible position, it allows physical disconnection from the electric power supply at the end of the day.

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