

## DOUBLE BARREL WASHER SUITABLE FOR 225-300-600 LITER BARRELS

The **DOUBLE BARREL WASHER**, equipped with two multidirectional rotating washing systems that allow a jet of cold or hot pressurized water to travel through all interior points of the two barrels in 90 seconds, performing an optimal and safe washing.



Easy insertion of barrels onto any type of sleeper, this equipment is designed for wineries that do not want to move the barrels from their supports, saving time and effort.

### Barrel washing

The model consists of:

- ✓ Barrel counter and electrical panel with state-of-the-art programmable logic controller that controls all machine operations.
- ✓ Possibility of including touch screen, shower system, steam injection, etc.
- ✓ All sensitive parts of the machine (motor, reducer, etc.) are protected from water.
- ✓ Its design ensures a long lifespan and is entirely constructed of stainless steel, making it easy to maintain and clean.

### Automatic model

Combined cycle with multiple functions:

- ✓ Wash with cold water and hot water.
- ✓ High and low pressure washing.
- ✓ Vaporizing the barrels.
- ✓ Collection and channeling of turbidity and lees.
- ✓ Operate with remote control.

Power (HP)	Dimensions* (LxWxH)	Empty weight (kg)	Three-phase voltage (v)	Material	Minimum Wash Time	Maximum Water Temp. (°C)	Impact Pressure (bar)	Required Flow Rate (l/m)
2 x 0.25	1700 x 1250 x 2100 May vary depending on support (Rack)	172	240/400V 50-60Hz	AISI 304 Stainless Steel	90*	60-90	80-150	15/30

## AUTOMATIC BARREL WASHER 3 STATIONS



### Series stations:

- ✓ 1st Station: Turbidity tray and centering of the barrel hole.
- ✓ 2nd Station: Washing with high pressure water, either cold or hot.
- ✓ 3rd Station: Draining module with tray for channeling wastewater from washing.

### Optional and extra stations:

- ✓ Ramp with turbidity collection.
- ✓ Drying the barrel inside by blowing pressurized air.
- ✓ Vaporized from the barrel at 100° to 150°C.
- ✓ Internal sulfiting by injection of sulfurous gas.
- ✓ Interior washing of the barrel with ozonated water.
- ✓ Loading and unloading table with rack.
- ✓ Loading and unloading of barrels on stand.

### Standard equipment:

- ✓ Display and control screen with programmable logic controller.
- ✓ Electrical protections and emergency stop.
- ✓ Timer for all tasks in the process.
- ✓ Arches and protective fences in stainless steel.
- ✓ Loading, draining and unloading ramps for barrels.
- ✓ Motor pump unit for raising and lowering the platform.
- ✓ Counter of treated barrels.

### Recommended pressure equipment:

- ✓ Power: 5.5 HP
- ✓ Minimum pressure: 100 bar.
- ✓ Minimum flow rate: 15 l/min.
- ✓ Three-phase voltage: 230/400 V. 50-60 Hz.

Depending on the options selected for the machine, you may need more than one pressure washer. Auxiliary equipment is not included.

\* Suitable for barrels of 225-228-300 liters

Power (HP)	Dimensions* (LxWxH)	Empty weight (kg)	Three-phase voltage (V)	Material	Minimum Wash Time	Maximum Water Temp. (°C)	Impact Pressure (bar)	Required Flow Rate (l/m)
According to options	5470 x 1750 x 1350	285	240/400V 50-60Hz	AISI 304 Stainless Steel	90*	60-90	80-150	According to connected equipment

## AUTOMATIC 4-STATION BARREL WASHER



### Series stations:

- ✓ 1st Station: Turbidity tray and centering of the barrel hole.
- ✓ 2nd Station: Washing with high pressure water, either cold or hot.
- ✓ 3rd Station: Draining module with tray for channeling wastewater from washing.

### Optional and extra stations:

- ✓ Ramp with turbidity collection.
- ✓ Drying the barrel inside by blowing pressurized air.
- ✓ Vaporized from the barrel at 100° to 150°C.
- ✓ Internal sulfiting by injection of sulfurous gas.
- ✓ Interior washing of the barrel with ozonated water.
- ✓ Loading and unloading table with rack.
- ✓ Loading and unloading of barrels on stand.

### Standard equipment:

- ✓ Display and control screen with programmable logic controller.
- ✓ Electrical protections and emergency stop.
- ✓ Timer for all tasks in the process.
- ✓ Arches and protective fences in stainless steel.
- ✓ Loading, draining and unloading ramps for barrels.
- ✓ Motor pump unit for raising and lowering the platform.
- ✓ Counter of treated barrels.

### Recommended pressure equipment:

- ✓ Power: 5.5 HP
- ✓ Minimum pressure: 100 bar.
- ✓ Minimum flow rate: 15 l/min.
- ✓ Three-phase voltage: 230/400 V. 50-60 Hz.

Depending on the options selected for the machine, you may need more than one pressure washer. Auxiliary equipment is not included.

\* Suitable for barrels of 225-228-300 liters

Power (HP)	Dimensions* (LxWxH)	Empty weight (kg)	Three-phase voltage (V)	Material	Minimum Wash Time	Maximum Water Temp. (°C)	Impact Pressure (bar)	Required Flow Rate (l/m)
According to options	6330 x 2000 x 1350	360	240/400V 50Hz III+N	AISI 304 Stainless Steel	90*	60-90	80-150	According to connected equipment

## AUTOMATIC BARREL WASHER 5 STATIONS



### Series stations:

- ✓ 1st Station: Automatic XYZ Centering
- ✓ 2nd Station: Initial Rinse
- ✓ 3rd Station: High-pressure multidirectional spray bar washing
- ✓ 4th Station: Vaporized shaft with temperature control
- ✓ 5th Station: Low pressure rinse with ozone option

### Optional and extra stations:

- ✓ Ramp with turbidity collection.
- ✓ Drying the barrel inside by blowing pressurized air.
- ✓ Vaporized from the barrel at 100° to 150°C.
- ✓ Internal sulfiting by injection of sulfurous gas.
- ✓ Interior washing of the barrel with ozonated water.
- ✓ Loading and unloading table with rack.
- ✓ Loading and unloading of barrels on stand.
- ✓ Automatic vertical loading and unloading

### Standard equipment:

- ✓ Display and control screen with programmable logic controller.
- ✓ Electrical protections and emergency stop.
- ✓ Timer for all tasks in the process.
- ✓ Arches and protective fences in stainless steel.
- ✓ Loading, draining and unloading ramps for barrels.
- ✓ Motor pump unit for raising and lowering the platform.
- ✓ Counter of treated barrels.

### Recommended pressure equipment:

- ✓ Power: 5.5 HP
- ✓ Minimum pressure: 100 bar.
- ✓ Minimum flow rate: 15 l/min.
- ✓ Three-phase voltage: 230/400 V. 50-60 Hz.

Power (HP)	Dimensions* (LxWxW)	Empty weight (kg)	Three-phase voltage (V)	Material	Minimum Wash Time	Maximum Water Temp. (°C)	Impact Pressure (bar)	Required Flow Rate (l/m)
According to options	7180 x 2000 x 1350	400	240/400V 50-60Hz III+N	AISI 304 Stainless Steel	90"	60-90	80-150	According to connected equipment

## BARREL WASHING SYSTEMS



**Modern, fast, safe and efficient barrel washing and treatment trains, with multiple functions and custom design:**

- ✓ Robotic loading and unloading of barrels and supports.
- ✓ Automatic single or double emptying.
- ✓ Draining of turbidity and lees with or without collection.
- ✓ Low-pressure mains cold water shower for rinsing and lees removal.
- ✓ High pressure steam injection (10 Bar- 120°)
- ✓ High pressure washing with hot water (85°) with multidirectional rotating head.
- ✓ High-pressure washing with cold water using a multidirectional rotating head.
- ✓ Barrel draining by gravity.
- ✓ Free modules for burning sulfur straw and gas settling.
- ✓ Automatic single or double fillings.
- ✓ Manual barrel filling module
- ✓ Automatic barrel unloading and stacking.

### Optional:

- ✓ Final rinse with OZONATED cold water shower for barrel disinfection.
- ✓ Washing and brushing the exterior of barrels in a module integrated into the train.
- ✓ External drying of barrels by blowing pressurized air
- ✓ Drying the interior of barrels using pressurized air
- ✓ Sulfurous gas injection using an automatic SO2 dosing system.
- ✓ Auxiliary line for removing contaminated or defective barrels .
- ✓ Computerized traceability control of barrels using RFyD.

