



L'ARTE DEL VAPORE

english

Steam cleaning systems for

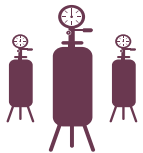
# wineries



# Dry saturated steam: your best ally for an efficient and eco-friendly cleaning!

The advantages of Tecnovap's steam generators:

- require only electricity and limited amount of water;
- guarantee a complete cleaning of the bottling lines and barrels;
- remote control of main functions via *MyTecnovap* app;
- can be used for cleaning equipment in breweries and beverage industries;
- no usage of chemicals;
- no harmful fumes, they can be used indoors;
- ready to use in just a few minutes;
- compact dimensions, designed for an easy use even in narrow spaces;
- do not require any license or qualification for usage.



MICROFILTRATION  
SYSTEMS



BOTTLING  
LINES



STAINLESS STEEL  
TANKS



BARRIQUES  
TONNEAUX



CLEANING OF  
EQUIPMENT





# Cleaning and detartrating of barrels



Barrel refinement is a crucial phase in the ageing process for wines. Steam is considered the best cleaning tool as it is completely natural, ecological, reliable and effective from the first use.

The advantages of steam cleaning:

- drastic reduction of water usage;
- no usage of chemicals like hydrogen peroxide or citric acid;
- elimination of *Brettanomyces* from wood fibers;
- no risk of damage or bulging to the barrels;
- removal of tartaric residues, yeasts, colorants and impurities;
- wood regains its natural micro-oxygenation capacity;
- barrel life is extended.



## Cleaning accessories - pages 16 - 19



Bacchus foodgrade silicone hose  
4m - 8m - 10m



High pressure water hose

### STEAM DIFFUSER



Steam-only diffuser with thermometer to display the actual temperature inside the barre



### HIGH PRESSURE WATER, STEAM AND VACUUM LANCE



High pressure cleaning rod for barrels Ø730mm



# Steam cleaning of bottling lines



Bottling is one of the final stages of product preparation when wine could be microbiologically contaminated.

Therefore, optimal cleaning of the plant is essential. Steam is the most effective cleaning method available.

The advantages of steam cleaning:

- drastic reduction of water usage;
- no usage of chemicals;
- steam spread smoothly through the plant;
- thanks to a temperature of 110°C, it grants a complete cleaning process;
- elimination of bacteria, tartaric and chemical residues;
- no influence on the original taste of wine;
- ensures a longer service life of the microfiltration cartridges.



## Cleaning accessories - pages 16 - 19



Bacchus foodgrade silicone hose  
with or without pressure switch connection  
4m - 8m - 10m



GAROLLA connections with  
a mechanical safety valve PED approved  
Ø 40mm - Ø 50mm - Ø 60mm



DIN connections with  
a mechanical safety valve PED approved  
Ø 32mm - Ø 40mm - Ø 50mm - Ø 60mm



14

15

16



# Cleaning of stainless steel tanks



The gaseous state of steam enables it to reach all hard-to-reach spots, penetrating the porosity of the steel, melting and eliminating any tartaric and chemical residue from the surfaces.

The advantages of steam cleaning:

- drastic reduction of water usage;
- consequent reduction of wastewater and labor costs;
- no usage of chemicals;
- elimination of *Brettanomyces* and impurities that could affect the taste of wine;
- external cleaning of valves, flanges, manhole covers, pipes and structures.



## Cleaning accessories - pages 16 - 19



Bacchus foodgrade silicone hose  
with or without pressure switch connection  
4m - 8m - 10m



GAROLLA connections with  
a mechanical safety valve PED approved  
Ø 40mm - Ø 50mm - Ø 60mm



DIN connections with  
a mechanical safety valve PED approved  
Ø 32mm - Ø 40mm - Ø 50mm - Ø 60mm







Steam

# Bacchus Static

**kW** 7,2 | 10,8 | 14,4

Steam cleaner with stainless-steel body and boiler, able to deliver dry saturated steam at 165°C.

- Water supply through water mains only.
- This model can be used only with the bacchus foodgrade silicone hose.

## Winery production capacity



**BOTTLING LINE**  
up to 3.000 bottles\*



**BARREL ROOM**  
up to 50 barrels\*

\*approx data



### Steam cleaner

Boiler	Stainless-steel AISI 304 with interchangeable heating elements			
Body	Stainless-steel AISI 304 BA			
Power supply	V - Hz	3~ 400 - 50/60		
Boiler output	kW/h	7,2	10,8	14,4
Boiler volume	l	11		
Operating pressure	bar	6		
Steam production	g/min	194	272	388
	Kg/h	11,5	17,5	23
Steam temperature	° C	165		

### Various

Weight	Kg	-
Cable	m	8
Dimensions	cm	H.107 x L.39,6 x W. 69,3
Pallet dimensions	cm	115x65x125
Pallet/unit	pcs	1

## Technical features



Operating pressure  
6 bar



Water mains  
connection



Control  
panel



Boiler  
maintenance  
signal



# Bacchus Mini

**kW 3,75**

Winery production capacity

\*approx. data



**BOTTLING LINE**  
**up to 1.500 bottles\***



**BARREL ROOM**  
**up to 20 barrels\***

Steam cleaner with stainless-steel body and boiler, able to deliver dry saturated steam at 165°C.

- A sturdy structure, a fully electric operation and the compact size allows its usage in any environment, both outdoors (watertight protection IPX5) and indoors (e.g. in production lines).
- All steam cleaner functions can be managed on the electronic control panel.

Steam cleaner

Boiler	Stainless-steel AISI 304 with interchangeable heating element	
Body	Stainless-steel AISI 304 BA	
Power supply	V - Hz	1~ 230 - 50/60   3~ 400 - 50/60
Boiler output	kW/h	3,6
Maximum output	kW/h	3,75
Boiler volume	l	5
Operating pressure	bar	6
Serbatoi acqua	l	7,5 + 7,5
Steam production	g/min	97
	Kg/h	5,9
Steam temperature	° C	165

Various

Weight	Kg	30	
Cable	m	8	
Dimensions	cm	H.99 x L.41,3 x W. 66	
Packaging	cm	50x40x80	
Pallet/unit	pcs	4	8



Technical features



MyTecnovap connection



Operating pressure 6bar



Water mains connection



Double water tank



Automatic water refilling



Control panel



Boiler maintenance signal



Steam

# Bacchus Pro

kW 3,75 7,35 10,95 14,55

Steam cleaner with stainless-steel body and boiler, able to deliver dry saturated steam at 165°C.

- A sturdy structure, a fully electric operation and the compact size allows its usage in any environment, both outdoors (watertight protection IPX5) and indoors (e.g. in production lines).
- All steam cleaner functions can be managed on the electronic control panel.

### Winery production capacity



BOTTLING LINE  
up to 3.000 bottles\*



BARREL ROOM  
up to 50 barrels\*

\*approx data



### Steam cleaner

Boiler	Stainless-steel AISI 304 with interchangeable heating elements				
Body	Stainless-steel AISI 304 BA				
Power supply	V - Hz	3~ 400 - 50/60			
Boiler output	kW/h	3,6	7,2	10,8	14,4
Maximum output	kW/h	3,75	7,35	10,95	14,55
Boiler volume	l	7			
Operating pressure	bar	6			
Water tank	l	14			
Steam production	g/min	97	194	272	388
	Kg/h	5,9	11,6	16,3	23
Steam temperature	° C	165			

### Various

Weight	Kg	60
Cable	m	8
Dimensions	cm	H.110 x L.53 x W. 82,5
Pallet dimensions	cm	115x65x125
Pallet/unit	pcs	1

### Technical features



MyTecnovap  
connection



Operating  
pressure 6bar



Water mains  
connection



Water  
tank



Power  
regulation  
switch



Automatic  
water  
refilling



Control  
panel



Boiler  
maintenance  
signal



# Bacchus Industrial

kW 11 14,6 21,8 29 36,2

## Winery production capacity

\*approx data



BOTTLING LINE  
up to 5.000 bottles\*



BARREL ROOM  
up to 50 barrels\*

Steam cleaner with stainless-steel body and boiler, able to deliver dry saturated steam at 165°C.

- A sturdy structure, a fully electric operation and the compact size allows its usage in any environment, both outdoors (watertight protection IPX5) and indoors (e.g. in production lines).
- All steam cleaner functions can be managed on the electronic control panel.

### Steam cleaner

Boiler	Stainless-steel AISI 304 with interchangeable heating elements					
Body	Stainless-steel AISI 304 BA					
Power supply	V - Hz	3~ 400 - 50/60				
Boiler output	kW/h	10,8	14,4	21,6	28,8	36
Maximum output	kW/h	11	14,6	21,8	29	36,2
Boiler volume	l	11	12	13		
Operating pressure	bar	6				
Water tank	l	20				
Steam production	g/min	291	388	582	776	970
	Kg/h	17,5	23	35	46,5	58
Steam temperature	° C	165				

### Various

Weight	Kg	96 (mod.36kW)
Cable	m	8
Dimensions	cm	H.110 x L.53 x W. 82,5
Pallet dimensions	cm	115x65x125
Pallet/unit	pcs	1



### Technical features



MyTecnovap connection



Operating pressure 6bar



Water mains connection



Water tank



Power regulation switch



Automatic water refilling



Control panel



Boiler maintenance signal



Steam



High pressure water

# Steam Power

kW 14,8 18,4 21,2 21,6 32,8 40

## Winery production capacity

Steam cleaner with stainless-steel body and boiler, designed for industrial use and able to deliver dry saturated steam at 183° C and high-pressure water up to 150 bar:

- A sturdy structure, a fully electric operation and the compact size allows its usage in any environment, both outdoors (watertight protection IPX5) and indoors (e.g. in production lines).
- All steam cleaner functions can be managed on the electronic control panel.
- Equipped with accessories basket, double hose holder, lance holder, cable holder and front 360° swivel wheels with safety brakes.



BOTTLING LINE  
up to 5.000 bottles\*



BARREL ROOM  
up to 50 barrels\*

\*approx data



### Steam cleaner

Boiler	Stainless-steel AISI 304 with interchangeable heating elements						
Body	Stainless-steel AISI 304 BA						
Power supply	V - Hz	3~ 400 - 50 (60Hz on request)					
Boiler output	kW/h	10,8	14,4	18	21,6	28,8	36
Maximum output	kW/h	14,8	18,4	21,2	21,6	32,8	40
Boiler volume	l	13					
Operating pressure	bar	from 1 to 10					
Water tank	l	14					
Detergent tank	l	14					
Steam production	g/min	291	388	485	582	776	970
	Kg/h	17,5	23	29,1	35	46,5	58
Steam temperature	°C	up to 183					

### High pressure water module

Motor output	kW/h	4
Water flow	l/min	13
Operating pressure	bar	from 0 to 150

### Various

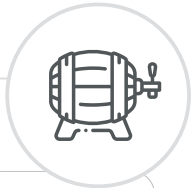
Weight	Kg	141
Cable	m	8
Dimensions	cm	H.102 x L.69 x W. 95,5
Pallet dimensions	cm	120x80x130
Pallet/unit	pcs	1

## Technical features



# Accessories





## Cleaning accessories for barrels

To be used with **Steam Power**



Geysir 2 hose 10bar-150bar steam & water



800mm lance



1200mm lance



High pressure cleaning rod for barrels Ø730mm, with steam + vacuum + high pressure water

To be used with **Bacchus models**



Bacchus foodgrade silicone hose



Steam diffuser with thermometer for checking the actual temperature inside the barrel



High pressure cleaning rod for barrels Ø730mm, with steam + vacuum + high pressure water



High pressure water hose 10m



Extension for bigger barrels: suction tube for Ø940mm or Ø1070mm



## Accessories for cleaning of bottling lines and stainless-steel tanks



### Bacchus hose 4m - 8m - 10m



Bacchus foodgrade silicone hose



Bacchus foodgrade silicone hose predisposed for pressure switch connection

### Connector with a mechanical safety valve PED approved



GAROLLA  
Ø 40mm - Ø 50mm - Ø 60mm



DIN  
Ø 32mm - Ø 40mm - Ø 50mm - Ø 60mm



GAROLLA with safety valve  
Ø 40mm - Ø 50mm - Ø 60mm



DIN with safety valve  
Ø 32mm - Ø 40mm - Ø 50mm - Ø 60mm



## Accessories for cleaning of general equipment

### July 6 bar



Hose  
3m - 5m



Bayonette lance



45° curved bayonette lance



Steam lance



Triangular brush



Rectangular brush



Stainless-steel brush Ø28mm



Threaded stainless-steel brush Ø28mm

### July 10 bar



Hose  
5m - 8m



Bayonette lance



45° curved bayonette lance



Triangular brush



Rectangular brush



Stainless-steel brush  
Ø28mm



Threaded stainless-steel brush  
Ø28mm



### Geyser 1 10 bar



Hose  
5m - 8m - 10m - 15m



100mm lance



800mm lance



400mm lance



1200mm lance



Flat nozzle  
L. 10mm



Stainless-steel brush T50

## Water treatment systems

### Water softeners



Water softener cartridge with resins  
for consumption up to 800 liters



Water softener with automatic regeneration of resins through  
sodium chlorite  
for consumption above 800 liters

### Kit for installation on the steam cleaner



**Kit water purifying**  
Stainless-steel holders  
+ external water purifying filter



**Standard kit water softener**  
Stainless-steel holders + liter counter  
+ water softener cartridge with resins\*  
\*for consumption up to 800 liters



**Complete kit water softener**  
Stainless-steel holders + liter counter  
+ water softener cartridge with resins\* + filter  
\*for consumption up to 800 liters





Notes

A large rectangular area with horizontal lines, intended for taking notes.





Join us to  
learn more about  
the world of  
Tecnovap steam!

Need more information?  
Don't hesitate to contact us!

 +39 045 67 67 252

 [sales@tecnovap.com](mailto:sales@tecnovap.com) - [info@tecnovap.com](mailto:info@tecnovap.com)

 [www.tecnovap.it](http://www.tecnovap.it)

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L'ARTE DEL VAPORE

Tecnovap S.r.l.

Via dei Sassi 1/a, 37026 Pescantina, Verona - Italy