

# HyperSWASH

## Single/Twingo/Combo

LINEAR DIRECT SPRAY AGAINST SURFACE TECHNOLOGY (Single, Twingo)  
or  
LINEAR TANGENTIAL SPRAY TECHNOLOGY (Combo)



### Single configuration

(upon request)

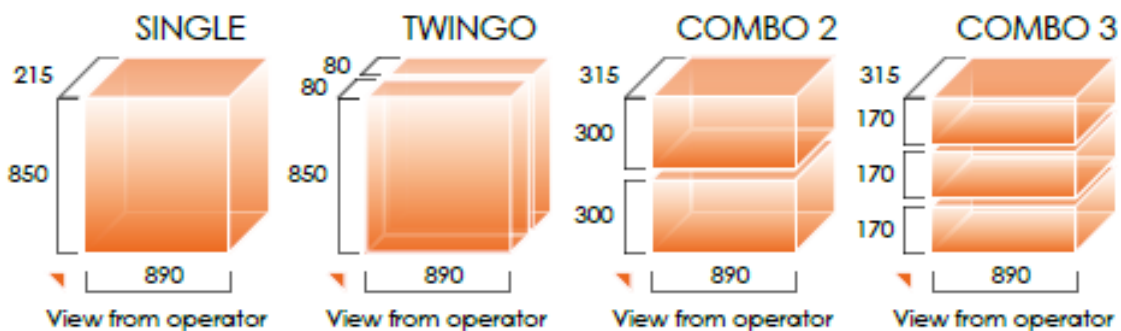
Usable space between the nozzles is 215 mm (107 mm from axis to one and to second side)

### Twingo configuration

Usable space between the nozzles is 60 mm (30 mm from axis to one and to second side)

### Combo configuration

Usable space between the nozzles is 170 mm (160 mm from the basket bottom)



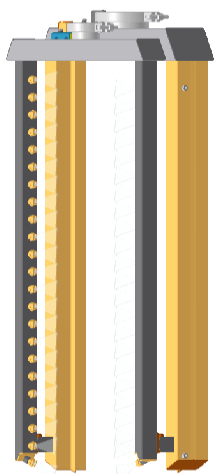
- Particular position and space depends on given clamping
- Specific requirements to be consulted with manufacturers' representatives
- Customization available upon request

## Cleaning technology

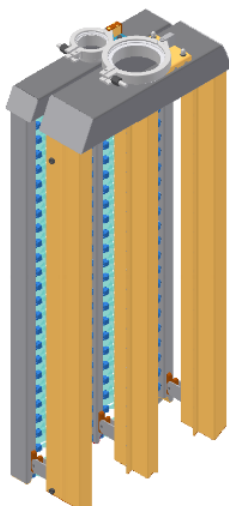
**Spray in air washing (max = 60 °C), 1<sup>st</sup> rinse DI water (max. 40 °C), 2<sup>nd</sup> rinse DI water (max. 40 °C), hot air drying (max = 110 °C).**

Nozzle Arm with Ait Blade – mobile technological arms with spray nozzles and air jets (air-knife)

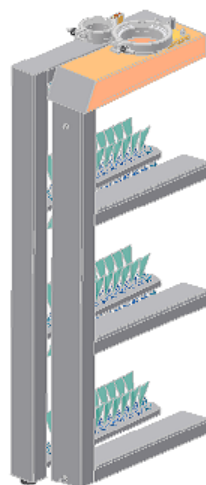
SINGLE



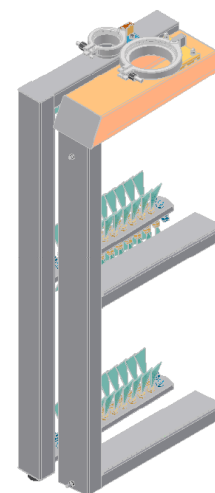
TWINGO



COMBO III



COMBO II



## Technical parameter

Machine dimension (WxLxH)	1 900 x 1 600 x 2 100 mm
Weight (without liquid)	950 kg
Machine noisiness	L <sub>Aeq</sub> <70 dB
Power supply voltage	3x 400/230 V, 50Hz
Power input	19,1 kVA

## Adjustable parameters

All the parameters are adjusted by means of the LCD touch screen.

Washing time	495 min.
Cleaning medium temperature	20-60 °C
Rinsing time	495 min.
Rinsing water temperature	20-40 °C
Conductivity (II, IIR, IIR+,III)	0-999 µS/cm (1. Rinse), 0-99 µS/cm (2. Rinse)
Drying time	495 min.
Drying temperature	20-110 °C
Number of program registers (settings)	99

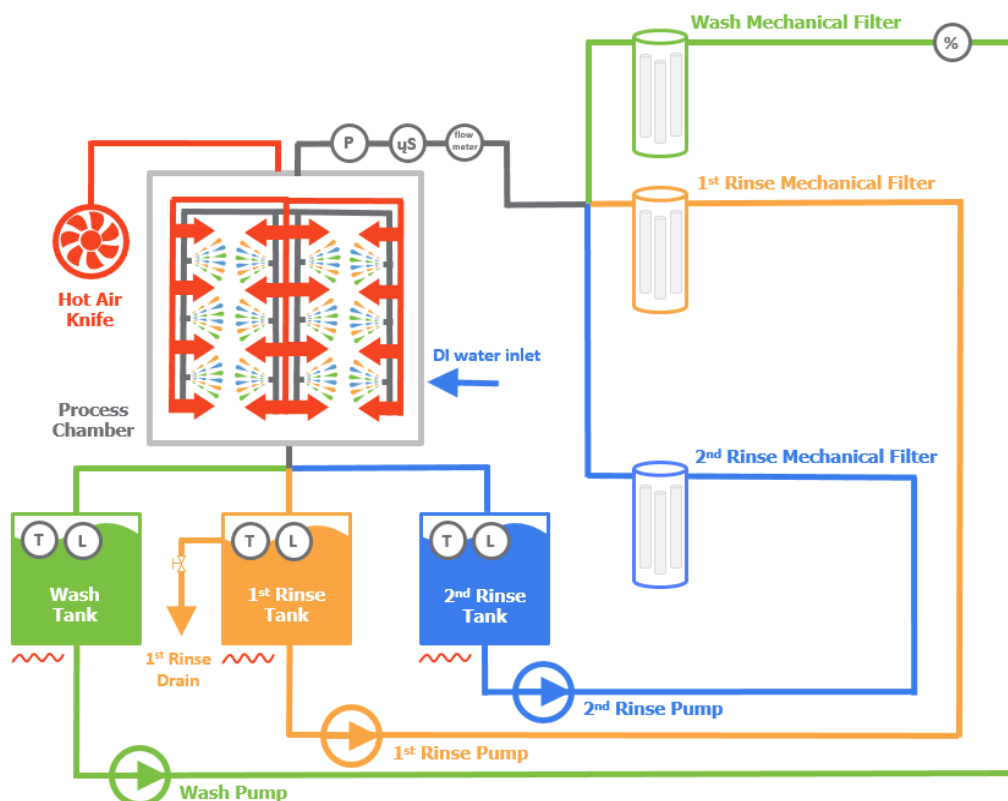
*Note: All the adjusted parameters are not changed when the power supply is switched on or off.*

## Technological parameters

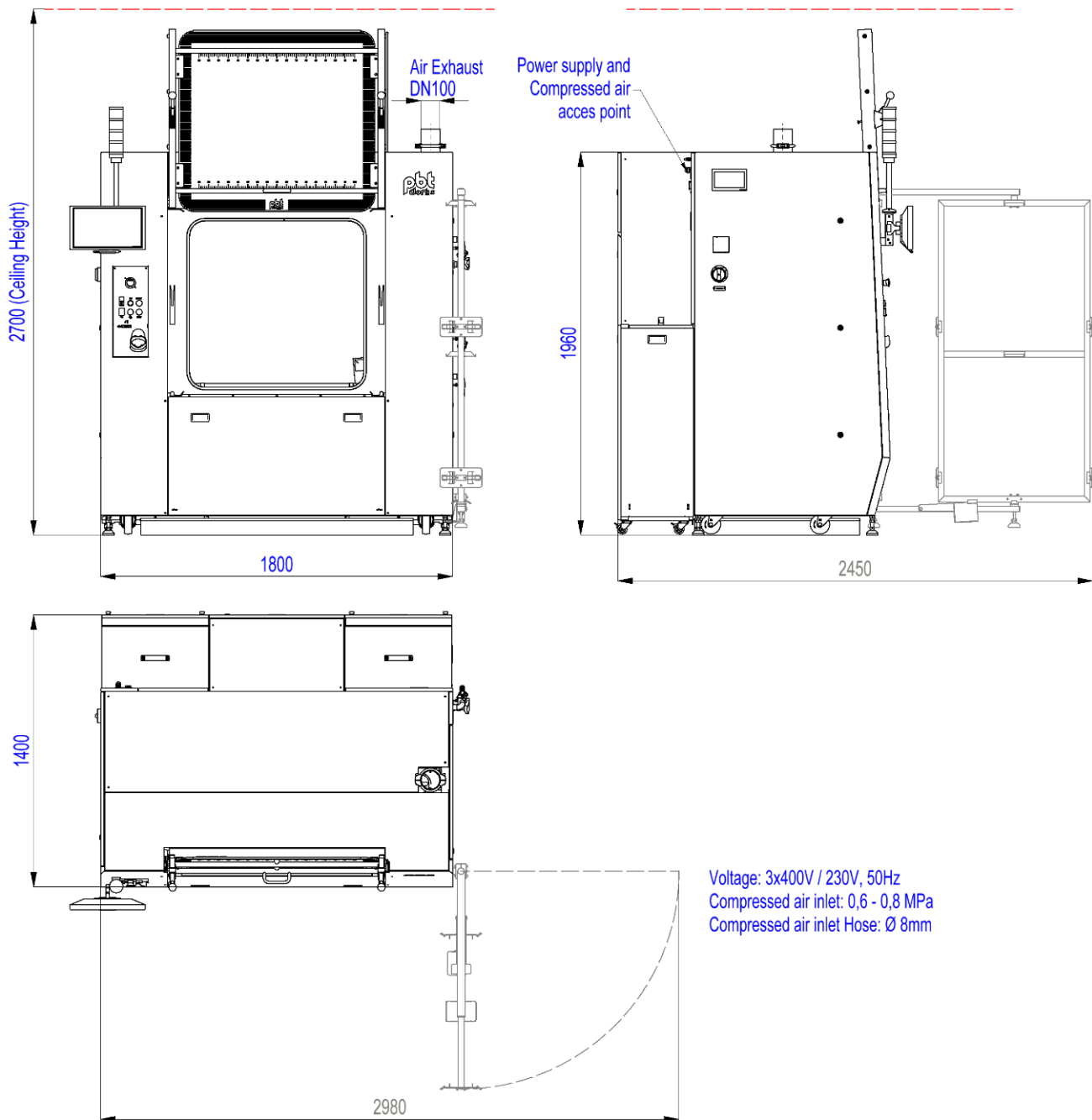
Washing - TWINGO Pressure on the nozzles (max/ min)	2,4-1,9	bar
Washing - TWINGO Flow (max)	180	l/min
Rinsing - TWINGO Pressure on the nozzles (max/ min)	1,9-1,4	bar
Rinsing - TWINGO Flow (max)	160	l/min
Washing – COMBO 3 Pressure on the nozzles (max/ min)	3,4-1,9	bar
Washing – COMBO 3 Flow (max)	170	l/min
Rinsing – COMBO 3 Pressure on the nozzles (max/ min)	2,5-1,4	bar
Rinsing – COMBO 3 Flow (max)	145	l/min

*Note: The approximate values of pressure and flow are mentioned. The real values can be slightly different depending on the tolerances of used components. These differences have no effect for cleaning process.*

### Filtration Option Scheme



## Dimensions

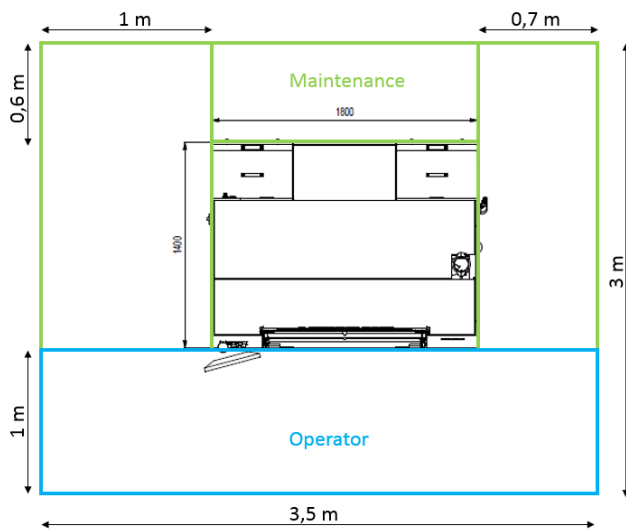


## Required service and maintenance area

From the front side	minimal 1 000 mm	Space for machine operation and maintenance
(access to tanks with liquids)		
From the right side	minimal 700 mm	Access to door for maintenance
From the right side	minimal 1 200 mm	Access to door for maintenance + Revolving frame
From the left side	minimal 1 000 mm	Access area into switchboard (in accordance with IEC
60364-1:2005), main switch		
From the left side	minimal 1 600 mm	Access area into switchboard (in accordance with IEC
60364-1:2005), main switch + Revolving frame + Passageway		
From the rear part	minimal 600 mm	Space for manipulation with filtration carts, machine
maintenance (filter pads replacement, etc.)		
From above	minimal 700 mm	space for door opening - ceiling height 2 600 mm

Top view:

*Without revolving frame*



*With revolving frame*

