Super SWASH

DIRECT SPRAY AGAINST SURFACE TECHNOLOGY

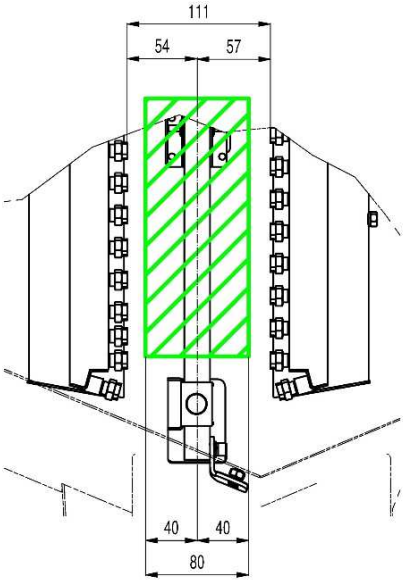
Super SWASH (single)

Super SWASH Twingo (double)

Usable dimension of chamber

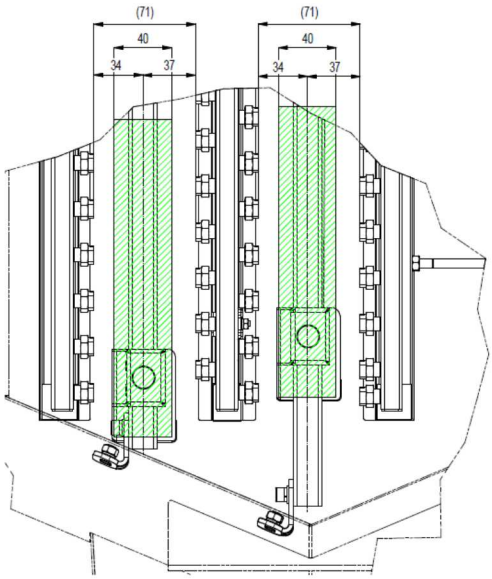
Max thickness of cleaned subject (in red) between nozzle arms

1 x 80 mm



2 x 40 mm

One side 20 mm + Second side 20 mm



Process data

Super SWASH (single)

Max. usable space: WxLxH - W-left/right, L-front/rear, H-height	795 x 80 x 816 mm
Typical consumption of cleaning agent without load (per one cycle)	0.1 liter
Stencils capacity/ dimension	1 pc / 32"
Stencils typical total cycle time	7 - 12 min
Stencil quantity per hour	5- 8 pcs
Stencils typical consumption / cycle (cleaning agent)	0.12 – 0.15 liter
PCB defluxing and Misprints - max usable area at the disposal	0.66 m2
Max load in 3U-160 eurocards (100x160mm) per one cycle	28 pcs
PCBA + Misprints 3U-160 eurocards (100x160mm) typical total cycle time	20 - 40 min
PCBA + Misprints 3U-160 eurocards (100x160mm) quantity per hour	42 - 84 pcs
PCBA + Misprints typical consumption / cycle (depends on PCB shape and pollution)	0.2 – 0.3 liter

Typical consumption are based on values from the field, however cannot be guaranteed because of other factor influence.

Super SWASH Twingo (double)

Max. usable space: WxLxH (W-left/right, L-front/rear, H-height)	2x 740 x 40 x 740 mm
Typical consumption of cleaning agent w/o load (per one cycle)	0.1 liter
Stencils capacity/ dimension	2 pc / 29"
Stencils typical total cycle time	10 - 15 min
Stencil quantity per hour	8 - 12 pcs
Stencils typical consumption / cycle (cleaning agent)	0.15 – 0.2 liter
PCB defluxing and Misprints - max usable area at the disposal	2x 0.48 m^2
Max load in 3U-160 eurocards (100 x 160 mm) per one cycle	2x 24 pcs
PCBA + Misprints 3U-160 eurocards (100 x 160 mm) typical total cycle time	25 - 50 min
PCBA + Misprints 3U-160 eurocards (100 x 160 mm) quantity per hour	Up to 116 pcs
PCBA + Misprints typical consumption / cycle (depends on PCB shape and pollution)	0.25 – 0.35 liter

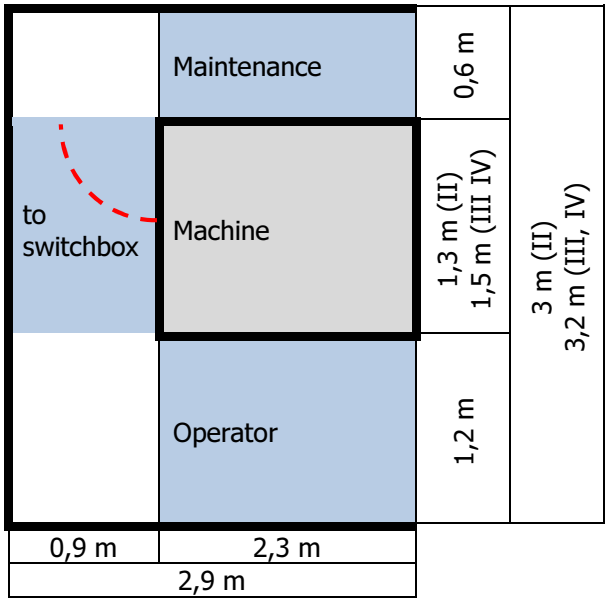
Typical consumption are based on values from the field, however cannot be guaranteed because of other factor influence.

Technological Data

Super SWASH	II	III	IV	
Weight (without liquid)	520	590	630	kg
Maximum power input (according to the configuration)	14-19	15-22	16-22,5	kVA
Washing - pressure on the nozzles	3	3	3	bar
Rinsing (mech. filtration)- pressure on the nozzles	2,8	2,8	-	bar
Rinsing (mech. + chem. filtration) - pressure on the nozzles	2,6	2,6	2,6	bar
Machine noise level	L_A (eqv) < 70			dB
Cleaning agent volume	70			liter
Cleaning medium temperature (option)	20-60			°C
Rinsing water temperature (option)	20-40			°C
Drying temperature	20-110			°C
Number of program registers (settings)	99			
Working area (left - right limit)	0-850 (0-33,5)			mm (inch)
Max. dimension of cleaned frames (outer dimension)	830 x 816 x 80 (32,5" x 32" x 3")			mm (inch)
Max. dimension of cleaned frames (outer dimension) – Twingo	740 x 740 x 40 (19" x 29" x 1,5")			mm (inch)
Machine dimension W x L x H (W-left/right, L-front/rear, H-height)	1,7 × 1,3 × 1,74	1,7 × 1,5 × 1,74		m

Necessary free space

Super SWASH top view:



From the front side minimal 1,2 m space for machine operation (and for withdrawal emergency pan with decanters)

From the left side minimal 0,9 m accessing area into switchboard (conformable to directive IEC 60364-1:2005) and accessing area to manual discharge ball valve

From the rear side minimal 0,6 m space for machine maintenance (filter pads replacement etc.)

Ceiling height minimal 2,5 m space for door opening

Note:
The height of machine with exhaust ventilator is +200 mm = 1935 mm
The height of machine with signal tower is +330 mm = 2035 mm
The width of machine with pump unit of drain water is +200 mm = 1700 (1500) mm

Connection

Electric mains: Pos. 2	Voltage: 3x 400/ 230 V, 50 Hz Protection: 3x 32 A Connection: 3, N + PE (five-wire plug 32 A)
Pressure air: Pos. 1	Pressure: 0,6-0,8 MPa Class of air quality: 3.4.3. (according to ISO 8573-1) Connection: Hose SMC ø 8 mm
Tap water: Pos. 11 - optional	Capacity: max. 30 l/min Connection: Thread G 3/4”
Waste water: Pos. 6 - optional	Thread G 5/4" *Note: Drain output height: 90 mm, pipe slope 1:100, max. pipe length 2 m.*
Exhaustion: Pos. 9	Capacity: 200-250 m^3/h Connection: OD 100 mm