

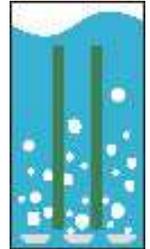
FLUXCLEAN

Environmentally friendly cleaning system for solder pallets and flux traps

This system is designed for cleaning of heavily contaminated soldering frames and other maintenance parts used for the soldering process. The applied technology is based on an alkali saponified process or water based process. The appliance is equipped with three baths: for cleaning, rinsing and drying. This method is optimal for the gentle processing of composite surface. The life time of composite material is much longer than those cleaned with ultrasonic. The whole process is composed of three phases: impurities dissolving in cleaning solution, rinsing in water and drying.

AGITATION

- Air-under-Immersion (bubbling)



Unique features (common)

- Used materials are very compatible and resist chemical compounds very well
- All three chambers are equipped with solder frame separators and compressed-air piping. The system also has a polypropylene cover
- The effluents must be disposed of in accordance to the local authority laws as they normally contain Tin (Sn) and Lead (Pb) deriving from the oxides in the residues of the flux
- The system has compressed-air controllers and valves for individual draining of each bath
- Under normal conditions an interval of about one month between changing of the baths can be expected
- Apart from standard systems for soldering pallets there is a wide choice of different models for individual dimensions of flux condensation filter
- Bath dimension and additional accessories can be modified on customer request
- Each bath is equipped by partition and support parts to prevent from contact of cleaned materials with sediment at the bottom.
- Ball valves ensure emptying of the used liquid from bath into canisters
- Lifetime of liquid depends on contamination rate and flux type

APPLICATION

- Maintenance parts from soldering proces (Solder pallets etc.)
- Mechanic parts
- Low process cost solution
- Small and middle size production



CLEANING

To remove the contaminants they are first softened and then dissolved. An alkali saponified process causes them to drop off from the surface as a gelatin substance. The contaminants then drift down and build sediment on the bottom of the bath. In the case of a water based process the contaminants drift down as flakes. To accelerate the cleaning process compressed air is blown into the bath.

RINSING

Rinsing by immersion in the second bath is important to achieve optimum cleanliness. For this purpose compressed air is blown into the bottom of the bath. Normal mains water can be used.

DRYING

The third chamber serves as a dryer. It is designed with dripping/ stacking space to enable drying with natural airflow.

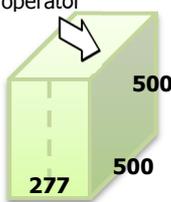
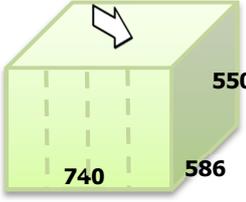
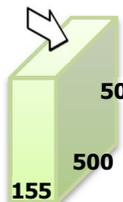
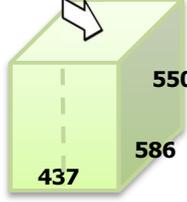
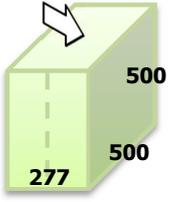
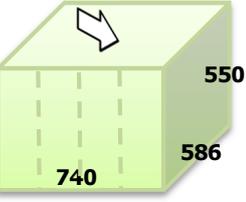
THE FOLLOWING SERVICE AND MAINTENANCE AREA IS REQUIRED:

- From the front side of appliance - minimal 1,2 m - space for appliance operation
- The left side - accessing area to discharge ball valves
- From the rear side - minimal 0,5 m - space for maintenance

Technical parameters (common)

Temperature:	Ambient
Air pressure supply:	0,4-0,8 MPa, consumption 30 l/min.
Recommended cleaning agent:	Saponify based
Recommended cycle time:	Cleaning - 30 min. Rinsing - 10 min.

FLUXCLEAN - dimensional variants:

Order No.	V30633A1862X	V30833H1311X	V30933J1331X	V31133J1515X	V30733C1972X	
Type	Fluxclean SD (basic type)	Fluxclean HD (basic type)	Fluxclean 1331 (the same as SD – only a bit enlarged)	Fluxclean 1515	Fluxclean 1972	
Usable bath inner dimension: WxLxH (mm) W-left/right, L-front/rear, H-height	Cleaning 		277x570x600	290x840x450	380x750x600	
	Rinsing 		155x570x600	290x840x450	380x750x600	
	Drying 		277x570x600	290x840x450	380x750x600	
Bath volume (liters)	Cleaning	80	315	107	160	170
	Rinsing	45	180	60	150	170
Standard capacity of the solder frames (pc)	Cleaning	2	4	2		
	Rinsing	1	2	1		
	Drying	2	4	2		
Overall appliance dimension (mm)	760x730x1350	2020x804x1263	760x800x1420	1070x1152x1300	1240x1200x1200	
Appliance weight (w/o filling and baskets)	54 kg	170 kg	60 kg	130 kg	102 kg	

Wooden boxes:

FLUXCLEAN variant	Wooden box Order No.	Overall wooden box dimension (mm)
Fluxclean SD (basic type), 1331	V30642Z1487X	1000x1040x1490
Fluxclean HD (basic type)	V30733D1081X	2450x1640x1395
Fluxclean 1515	V31133J1530X	1500x1400x1535
Fluxclean 1972	V30733C1038X	1500x1400x1435

FLUXCLEAN SD



(standard duty) has three chambers made from welded polypropylene plates and the frame is made from weld steel profiles and is powder-coated.



FLUXCLEAN HD



(heavy duty) has three chambers made of stainless steel for large size of objects to be cleaned



FLUXCLEAN 1331

The same as FLUXCLEAN SD,
only a bit larger



FLUXCLEAN 1515



Three chambers made of stainless steel for larger
size of objects to be cleaned. Polypropylene lid of
baths.



FLUXCLEAN 1972

Three chambers made from welded polypropylene plates and the frame is made from weld steel profiles and is powder-coated.

