



ENVIRO Tech
Europe, Limited

MICROPAC^{FS}

Compact ultrasonic solvent cleaning system



Specification and Technical Data

Process Description

The Micropac FS Series has been designed to offer quality construction, low solvent emissions, and ease of maintenance. This degreaser is designed for use with most non-flammable solvents. The proposed system is configured as follows:

General System Features:

- ▶ Floor Standing Compact Design.
- ▶ Built in Bund.
- ▶ 304 Stainless Steel MP1 (Mirror Finish) sumps.
- ▶ 304 Stainless Steel DP1 (Brushed Finish) casing.
- ▶ Integrated Water Separator.
- ▶ Easily Transported via castors
- ▶ Tiny Carbon Footprint.
- ▶ PLC Controlled.
- ▶ CE Certified.
- ▶ Nominal Work Basket Dimensions **250mm x 200mm x 250mm Deep**.
- ▶ Manual Sealing Lid.

Primary Cleaning Sump Features:

- ▶ Low watts density heater matt incorporating high temperature cut off.
- ▶ Maximum Capacity: 22.5 Litres (Approx.)
- ▶ Manually Operated Drain Valve.

Immersion Sump Features:

- ▶ Crests Transducer Technology operating at 40kHz.
- ▶ Low liquid level safety heater shut off.
- ▶ Maximum Capacity: 22.5 Litres (Approx.).
- ▶ Manually Operated Drain Valve.

Freeboard Zone:

- ▶ 100% freeboard ratio to minimize solvent loss.
- ▶ 4-Sided Refrigerated Condensing Coils connected to a single compressor.
- ▶ Independent water separation housing.
- ▶ The water is removed manually from the system via ball valves.
- ▶ High vapour temperature sensor.

1 General	Micropac FS
1.1 Revision	V1.1
1.2 System Type	Micropac FS
1.3 Voltage	208V single phase, 10A
1.4 Solvent	<i>ProSolv[®]</i> or <i>ProSolv[®] 5408e</i> (non-flammable solvent)
1.4.1 Total solvent capacity	44.5
1.5 Basket	
1.5.1 Internal Dimensions	250mm(w) x 200mm(f-b) x 250mm(d)
1.5.2 Supplied Quantity	2
1.6 Control	
1.6.1 HMI	High Resolution full colour Allan Bradley touch screen.
1.7 Services	
1.7.1 Drain points	Internal 1/2" valves.
1.7.2 Water separator	Desiccant filter.
1.8 Frame	
1.8.1 Base	
1.8.1.1 Dimensions (nominal)	910mm(w) x 910mm(f-b) x 1000mm(h)
1.8.1.2 Construction	Folded 304 brushed stainless-steel frames, with 304 stainless- steel brushed finish panels, and integrated bund tray
1.8.1.3 Castors	4 Heavy Duty locking castors

2 Boil Sump	
2.1 Tank	
2.1.1 Tank Size	220mm(w) x 100mm(f-b) x 75mm (liquid depth)
2.1.2 Solvent Capacity	1.65 litres
2.1.3 Temperature measurement	K Type thermocouple
2.2 Heat	
2.2.1 Heater output	480w low watts density heater mat

3 Process Sump	
3.1 Tank	
3.1.1 Tank Size	220mm(w) x 125mm(f-b) x 100mm(d)
3.1.2 Solvent Capacity	2.75 litres
3.1.3 Low level protection	Mechanical float switch
3.1.4 Temperature measurement	K Type thermocouple
3.2 Sealing lid	Manual clamping lid
3.3 Ultrasonics	
3.3.1 Frequency	132Khz
3.3.2 Wattage	100 watts
3.3.3 Transducer type	Bonded Transducers
4 Refrigeration	
4.1 Refrigeration coil temperature	Operating between 0°C and -15°C

Precision cleaning for a wide range of industries

The MicroPac excels in removing PCB solder fluxes, oils, grease, and other organic materials, making it suitable for industries like electronics, optics, and precision engineering. Its ability to handle a wide range of soil types ensures it meets the cleaning requirements of various sectors demanding high-quality results.

For further information regarding this product please contact us at:
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Supplied and supported by



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