



ENVIRO Tech
Europe, Limited



nanopac

Precision Degreasing System

*The world's most compact ultrasonic vapour
degreasing solvent cleaning system*



Specification and Technical Data

General System Features:

- ▶ Compact Design.
- ▶ Built in Bund.
- ▶ 304 Stainless Steel MP1 (Mirror Finish) sumps.
- ▶ 304 Stainless Steel DP1 (Brushed Finish) casing.
- ▶ Integrated Water Separator.
- ▶ Tiny Carbon Footprint.
- ▶ PLC Controlled.
- ▶ CE Certified.
- ▶ Nominal Work Basket Dimensions **200mm (l-r) x 100mm (f-b) x 100mm Deep.**
- ▶ Manual Sealing Lid.

Vapour Generator Features:

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

Immersion Sump Features:

- ▶ 100 Watts of Crests Patented Ceramically Enhanced Transducer Technology operating at 132kHz.
- ▶ Low liquid level safety heater shut off.
- ▶ Maximum Capacity:
- ▶ 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	Nanopac
1.1 Revision	V1.0
1.2 System Type	Nanopac
1.3 Voltage	240V single phase
1.4 Solvent	<i>ProSolv[®]</i> or <i>ProSolv[®] 5408e</i> (non-flammable solvent)
1.4.1 Total solvent capacity	5 litres
1.5 Basket	
1.5.1 Internal Dimensions	186mm(w) x 86mm(f-b) x 90mm(d)
1.5.2 Supplied Quantity	1
1.6 Control	
1.6.1 HMI	High Resolution full colour Allan Bradley touch screen.
1.7 Services	
1.7.1 Drain points	Internal 1/4" valves.
1.7.2 Water separator	Desiccant filter.
1.8 Frame	
1.8.1 Base	
1.8.1.1 Dimensions (nominal)	510mm(w) x 450mm(f-b) x 430mm(h)
1.8.1.2 Construction	304 brushed stainless-steel frames, with 304 stainless-steel brushed finish panels, and integrated bund tray

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

This system is proven to effectively remove contaminants such as surface oils, greases, solder flux, and wax. Many companies spanning a wide range of industries depend on NanoPac Ultrasonic Vapor Degreasers including medical, automotive, aerospace, electronics, and optics. From any rugged industrial to critically precise needs, NanoPac Vapor Degreaser Systems can meet your company's cleaning demands.

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



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