MOOV

F-300 Series Ultrasonic vapor Degreaser

Model F-300-2/1812

This NESHAP compliant system is designed for use with EPA approved,
Non-flammable solvents

- Offset Boil Sump
- Dual Ultrasonic Immersion Sumps
- 316L Stainless Steel Process tank
- 304 Stainless Steel Support Frame and Counter top
- 304 Stainless Steel, lift-off access panels
- 300 series stainless steel pluming with compression and or/ welded fitting where appropriate
- NEMA 1 electrical enclosure with single point electrical connection
- Power requirement : 415 volts/50Hz/ 3 phase – 60 Amps
- Front Mounted, recessed operator interface panel
- Maximum Basket Size : 16" x 10" x 8"
- Vapor Zone Height :20"
- Total Solvent Volume : 45 gals
- Water cooled dual on board refrigeration systems – Requires external chiller water of 10GPM at 75 deg F

Boil Sump Features :

- hot water heating system at 9kW
- Temperature control probe with over temp protection and solvent change out alarm features
- Low liquid level safety
- Clean out door

Wash Tank Features :

- 10 GPM recirculation/filtration system including :
  - Pump protection strainer
  - Centrifugal pump featuring a stainless steel pump head, Teflon encapsulated Viton seals, gaskets, and O'rings and a TEFC motor
  - Stainless steel filter housing
  - 5um and 2um filter DOE type
  - Pressure gauge to monitor recirculation pressure
  - Manual flow control valves
  - LPC sampling ports

All photo's shown are for illustration purposes only

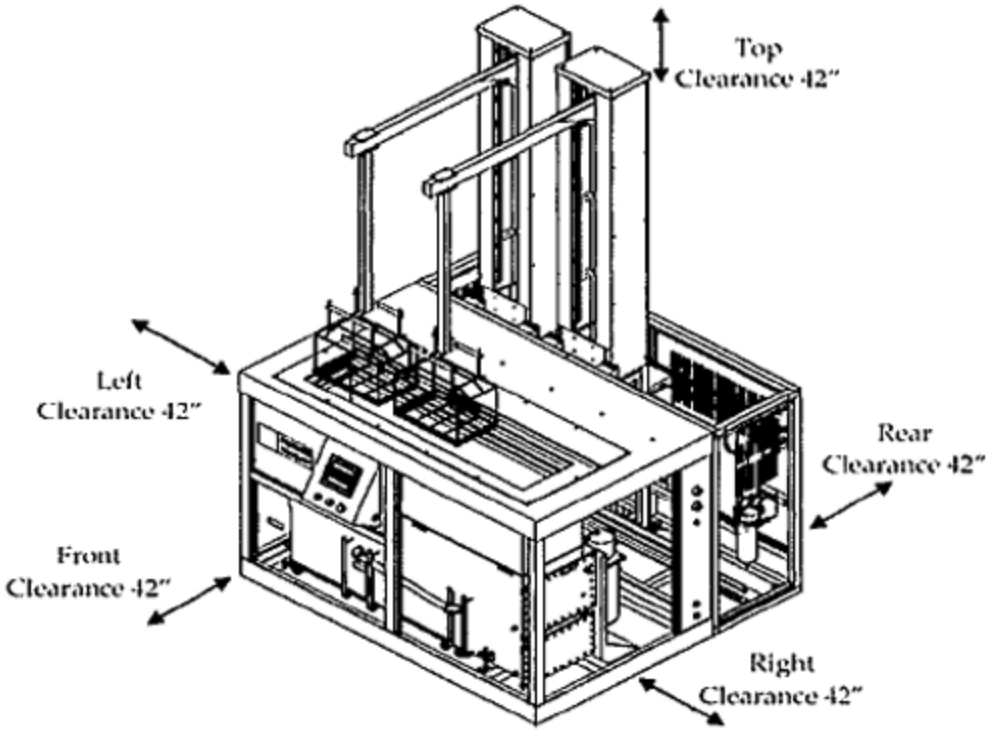


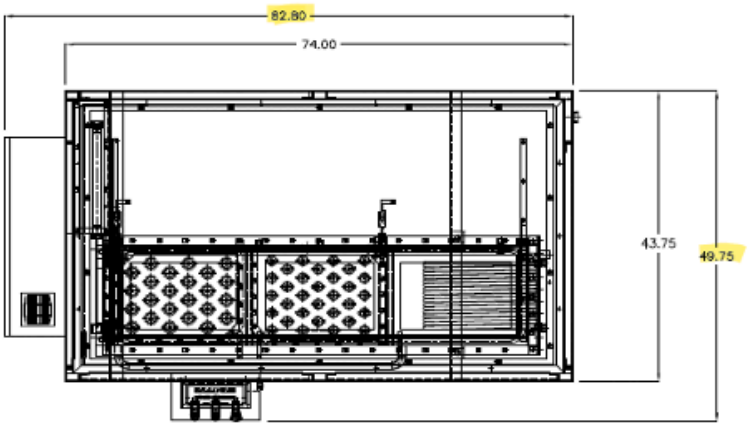
Figure 3-1: Front view: Front, Rear, Top, Left and Right System Clearance.

Rinse Tank Features :

- 10 GPM recirculation/filtration system including :
  - Pump protection strainer
  - Centrifugal pump featuring a stainless steel pump head, Teflon encapsulated Viton seals, gaskets, and O'rings and a TEFC motor
  - Stainless steel filter housing
  - 2um and 1um filter SOE type
  - Pressure gauge to monitor recirculation pressure
  - Manual flow control valves

Freeboard Zone

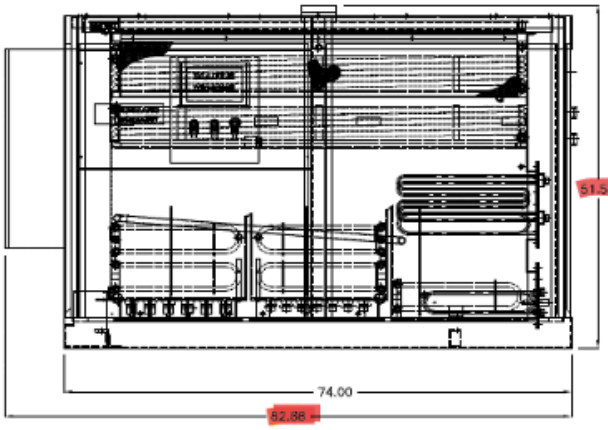
- 120% freeboard ratio to minimize solvent loss
- Independent primary and secondary condenser units direct expansion valves
- Stainless steel primary cooling coil
- Deforst cycles for freeboard cooling coil
- Continuous cooling will be provided by the primary coli during the secondary defrost cycle
- Independent water separation housings for main and secondary condenser coils
- The water is removed manually from the system via ball valves
- High vapor temperature sensor
- Sliding downtime cover

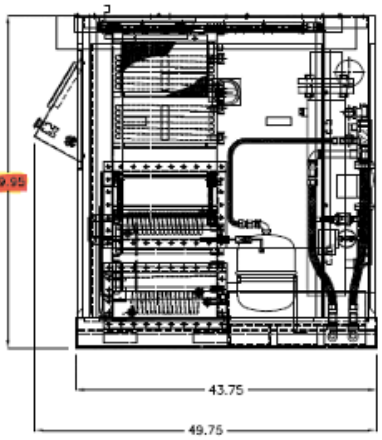


UTILITIES:

POWER:
415VAC 50 AMP 3 PH 50 HZ
CONNECT @ RIGHT REAR

COOLING WATER
6 GPM @ 75'F WATER INLET TEMPERATURE
(37,500 BTUH)
CONNECT LEFT REAR





ITEM #	QTY	MATL
6	1	
5	2	
4	1	
3	1	
2	1	
1	1	

[redacted]

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE AS SHOWN

OPERATION	PLACES IN DECIMAL		
	.X	.XX	.XXX
MACHINING	±1/2	±.01	±.005
CUT-OFF (SAW, BURN, SHEAR)	±1	±1/4	