

FORWARD TECHNOLOGY F-300 SERIES

Open Top Solvent Cleaning Systems

...designed to safely employ all of today's non-flammable and EPA approved solvents

The Forward Technology F-300 SERIES is an economical solution to solvent precision cleaning applications. A typical process includes immersion in the latest ultrasonic technology - Crest's ceramically enhanced transducers that produces unrivalled cleaning with HFC, HFE, NPB, HCFC solvents.

FEATURES

- Solvent immersion tank with patented Crest 40, 58 132, or 192kHz ultrasonics
- Closed-Loop Hot Water Heating of Solvent and Vapor
- Dual compressor refrigeration
- PLC control with automation capability
- 120% freeboard ratio to limit solvent consumption
- True Superheat™ For Rapid Part Drying
- Recirculation with cartridge filtration
- Two gravity water separators with molecular sieve capability
- Compact foot print for easy integration in production flow
- Manual downtime cover
- Stainless steel condenser and chiller coils to avoid corrosion
- Stainless steel process tanks with bright annealed finish
- Solvent cool down mode to minimize solvent loss
- Energy saver mode



F-300 with optional Automated Transport System

Model	Tank Size	Distillation Rate	Heat	Load Cap.	Solvent Capacity	Electrical Requirements	Cooling Water Requirements	Ultrasonics
	<i>Inches</i>	<i>Gal/Hr</i>	<i>kW</i>	<i>Lbs/Hr</i>	<i>Gal</i>			
F-300-1812	18 x 12 x 12	13	7.5	600	37	208V - 3 PH - 60A	6 GPM @ 85 °F	40, 58, 132, 192 kHz - 2000W
F-300-2016	20 x 16 x 16	25	15	900	70	480V - 3 PH - 70A	12 GPM @ 85 °F	40, 58, 132, 192 kHz - 3000W
F-300-2420	24 x 20 x 18	37	24	1230	100	480V - 3 PH - 100A	15 GPM @ 85 °F	40, 58, 132, 192 kHz - 4000W

The FORWARD TECHNOLOGY F-300 Series is ideal to remove organic residues like organic films, fingerprints, grease, mold release, oils, etc. Applications can be found in most industrial domains.

Safety

- Refrigeration temperature monitoring
- Boiling tank over temperature signal with solvent replacement warning.
- Extended freeboard volume
- Boiling tank low level control
- Vapor level control with reset

Options

- Desiccant water removal
- Baskets
- Parallel Automated transport system
- Powered cover
- Upper enclosure
- Chillers available



F-300 Standard Version

ADVANTAGES

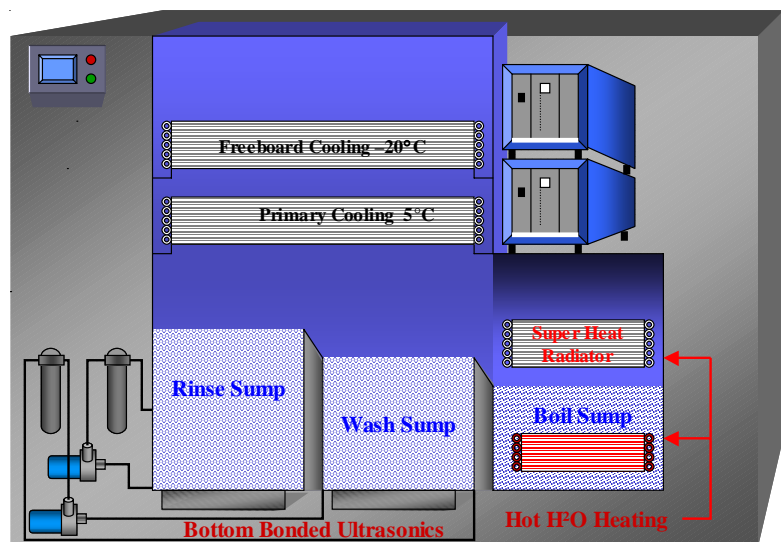
- Wash, rinse, and dry with a spot free finish in one compact unit
- Smaller footprint and faster cycle times than aqueous systems
- No water consumption or wastewater treatment required
- No exhaust required



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F-300 Series System Layout