



Ultrasonic Vapor Degreasers

OVERVIEW:

Emerson is the global leader in solvent cleaning technology through our portfolio of Branson products. The Branson B-Series Ultrasonic Vapor Degreasers are a series of environmentally sound, cost effective, precision degreasers.

The B-Series integrates decades of degreasing experience with the demanding needs of a changing marketplace, offering a functional solvent solution to meet your cleaning needs. The B-Series incorporates important environmental and safety features including onboard compressors for both primary and sub-zero cooling. The B-Series is ideal for use with most commercially-available vapor degreasing safety solvents.

KEY FEATURES:

The B-Series is designed to comply with EPA environmental regulations on solvent emissions, an important environmental and economic consideration. Some of these features also facilitate OSHA compliance. Standard units include a number of engineered improvements designed specifically to minimize solvent losses.

- **Freeboard ratio of 100%** to minimize diffusion losses due to drafts
- **Sub-zero freeboard condenser** to provide a cold barrier minimizing emissions
- **Primary refrigerated condensing coil** to efficiently condense the bulk of the solvent vapors prior to reaching the sub-zero condenser
- **Captured sliding cover** to eliminate drafts and minimize solvent loss during periods of inactivity
- **Internal water separator** keeps all solvent within the unit at all times
- **Recirculating pump and filter** to remove particulate and extend solvent life

SAFETY FEATURES:

In addition to the benefits associated with keeping solvent away from the operator, the B-Series has many other features which contribute to safety and reliability. Key among these are:

- **High-vapor level sensor** to prevent solvent loss
- **Low solvent sensor** to prevent heater damage
- **Boil sump** over temperature alarm

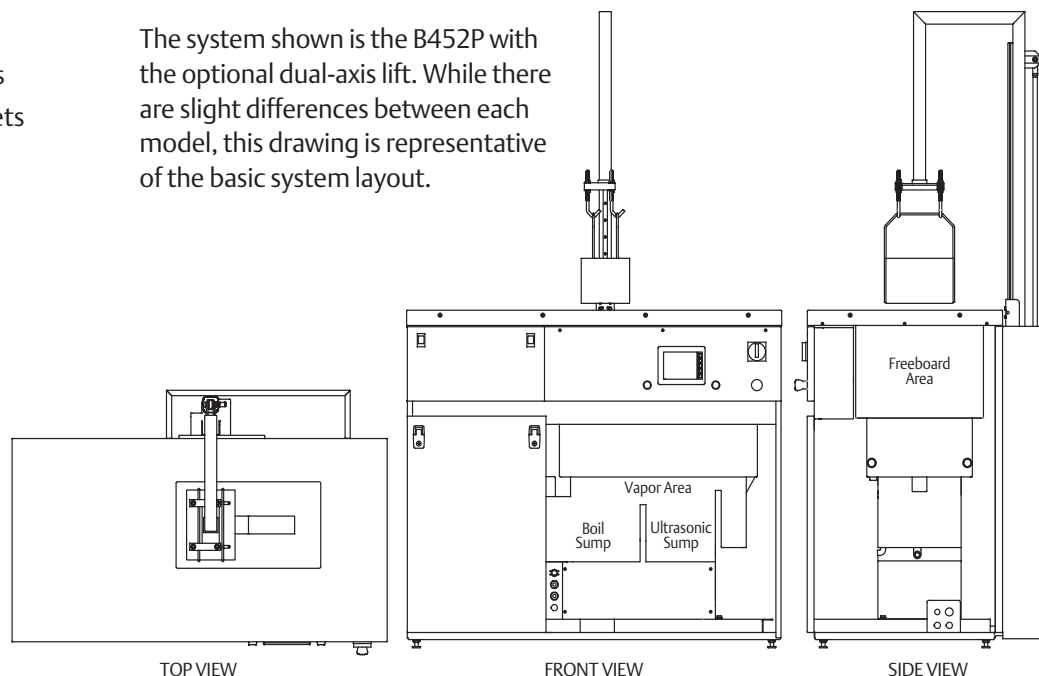
STANDARD OPTIONS:

- Automated Hoist Systems
- Stainless Steel Parts Baskets

CUSTOM OPTIONS:

- Integration with TDR-50, load and unload tables for full cycle automation
- Upper enclosure system
- High frequency (80/120/170 Khz Ultrasonics
- Rotating basket mechanism
- Spray manifold

The system shown is the B452P with the optional dual-axis lift. While there are slight differences between each model, this drawing is representative of the basic system layout.



SPECIFICATIONS

	MODEL B352R	MODEL B452P	MODEL B950P	MODEL B1950P	MODEL B3550P
Working Dimensions	8" x 10" x 6"D	10" x 12" x 8"D	12" x 16" x 12"D	16" x 20" x 14.5"D	20" x 24" x 17"D
Boil Sump Heat	1200 W strip heat	2000 W immersion heat	4000 W immersion heat	8000 W immersion heat	14000 W immersion heat
Ultrasonic Heat	N/A	400 W	800 W	1500 W	2000 W
Ultrasonics*	40 kHz	40 kHz	40 kHz	40 kHz	40 kHz
Distillation Rate**	4 gph	7 gph	14 gph	28 gph	49 gph
Recirculation	1 gpm	1 gpm	1 gpm	1 gpm	1 gpm
Load Capacity**	100 lbs. steel/hour	200 lbs. steel/hour	400 lbs. steel/hour	800 lbs. steel/hour	1400 lbs. steel/hour
Vapor Zone	23.7" x 13" x 7"D	28.7" x 15" x 8.5"D	32.7" x 19" x 12"D	40.5" x 23" x 14.5"D	48" x 27" x 17"D
Solvent Capacity	5.1 gallons	10.5 gallons	26 gallons	50 gallons	82 gallons
Overall Dimensions***	40" x 31" x 47"H	55" x 29" x 48"H	65" x 33" x 50"H	90" x 37" x 64"	110" x 40.5" x 72"H
Input Power	208 or 230V, 1Ph, 20A	208 or 230V, 3Ph, 27A	208 or 230V, 3Ph, 39A	208 or 230V, 3Ph, 65A***	208 or 230V, 3Ph, 90A***
Shipping Weight	500 lbs. with pallet	850 lbs. with pallet	1100 lbs. with pallet	1600w lbs. with pallet	2300 lbs. with pallet

*Higher frequencies available upon request. **Based on HFE and HFC solvents. ***460V 3P available. *** Dimensions are without lift

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