

ULTRASONIC VAPOR DEGREASERS



MODEL B452R

Primary condensing coil to condense the bulk of the vapors preventing them from reaching the sub-zero condenser

Captured sliding cover to eliminate drafts and seal the unit during periods of inactivity

Stainless plumbing for corrosion resistance

Internal water separator keeps all solvent within the unit at all times

OVERVIEW

The Branson B452R Ultrasonic Vapor Degreaser is the latest in a series of environmentally sound, cost effective precision degreasers. It integrates 50 years of degreasing experience with the demanding needs of a changing marketplace to offer you a functional solvent solution to your cleaning needs. Similar in operation to a traditional two sump unit, it incorporates all of the important environmental and safety features you need, including onboard compressors for both primary and sub-zero cooling. All controls are clustered on a compact, front-mounted, digital control panel. It is ideal for use with low-cost solvents like trichloroethylene, perchloroethylene, and methylene chloride, as well as many of the newer materials including AK225, HFC, HFE, N-propyl bromide and more.

ENVIRONMENTAL FEATURES

The B452R is designed to comply with Federal and local regulations on solvent emissions, an important environmental and economic consideration. Some of these features can also facilitate OSHA compliance. The unit includes, as standard, a number of engineered improvements designed specifically to minimize solvent losses. The following list details some of these more important features:

Freeboard ratio of greater than 120% to eliminate diffusion losses

Sub-zero freeboard condenser to provide a cold air barrier minimizing fugitive losses

SAFETY FEATURES

In addition to the benefits associated with keeping solvent away from the operator, the B452R has many other features which contribute to safety and reliability. Key among these are:

Low voltage controls for operator safety

"Ready" light to assure the unit is set to run

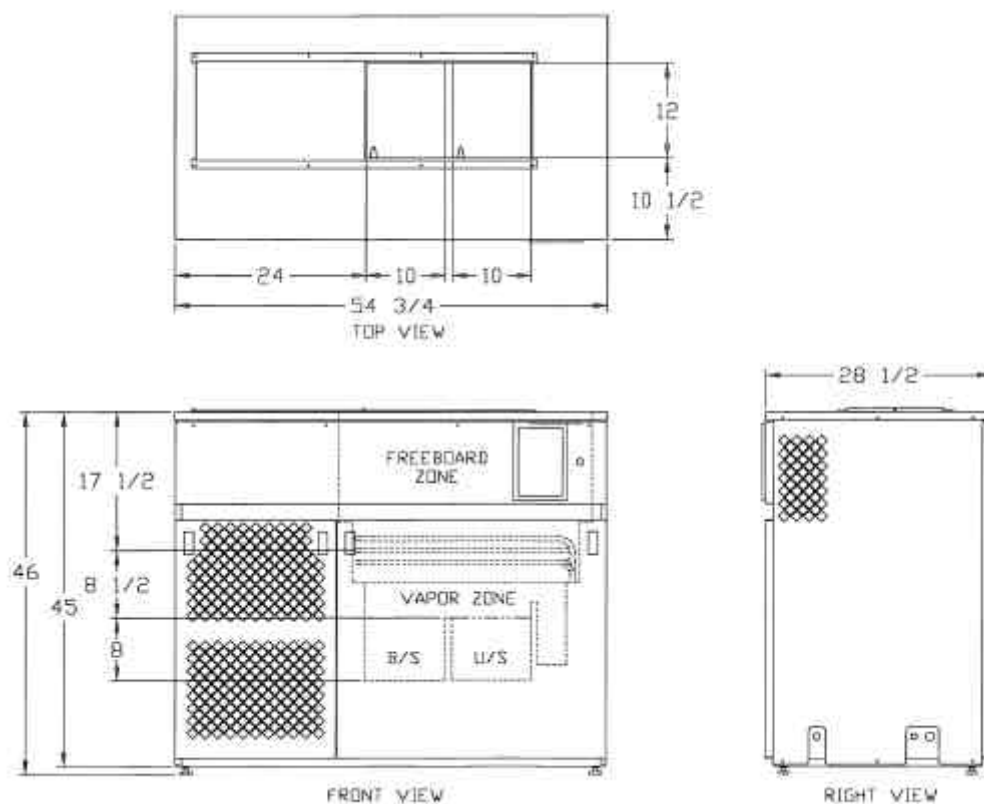
Coolant indicator indicates the refrigeration equipment is functional

High vapor level sensor to prevent accidental solvent boil off

Heater Over Temp sensor to prevent solvent degradation and heater damage

Early warning contamination indicator to signal the need for solvent replacement

SPECIFICATIONS



Ultrasonic sump	10" X 12" X 8"D
Boil sump	10" X 12" X 8"D
Vapor zone	28.75"L X 15.25"W X 8.5"D
Overall	54.75" X 28.5" X 84.5" H
Solvent capacity	9.2 gallons
Recirculation	1 gpm @ 10μ

Boil sump heat	2000W immersion heat
Distillation rate*	7 gph
Load capacity*	150# steel/hr
Ultrasonics	250W @ 40 kHz
Control voltage	24 volts
Input power	208 or 230V, 3ph, 25A

* Based on HCFC, HFE, and HFC solvents.
Specifications subject to change without notice.

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