

Baron·Blakeslee

A Wholly-Owned Subsidiary of Service Filtration Corporation

Z Series Industrial Vapor Degreasers





Baron Blakeslee Model ZV-10.53SH-EW Solvent Degreaser

Vapor / Spray, Superheated, Electrically Heated, Water Cooled Working Dimensions: 10'L x 3'W x 5'H Also Pictured, SC-30-EW Solvent Distillation System Some Optional Features Shown

Z Series Industrial Vapor Degreasers

Designed For Industrial Cleaning Requirements Very Robust Construction The Basis Of Baron Blakeslee Custom Degreasers Z Series Begins With 48"L X 24"W X 24"D Size Thermal Capacities From 2000 lbs steel per hour Vapor / Spray, Liquid Immersion & Ultrasonic Configurations Many Primary Cooling Options **Chilled Water Separator Stainless Steel Finned Condensing Coils** Vapor Trap Sub-Zero Freeboard Refrigeration **Motorized Cover** Manual Spray Wand **NESHAP** Compliant **UL** Certification

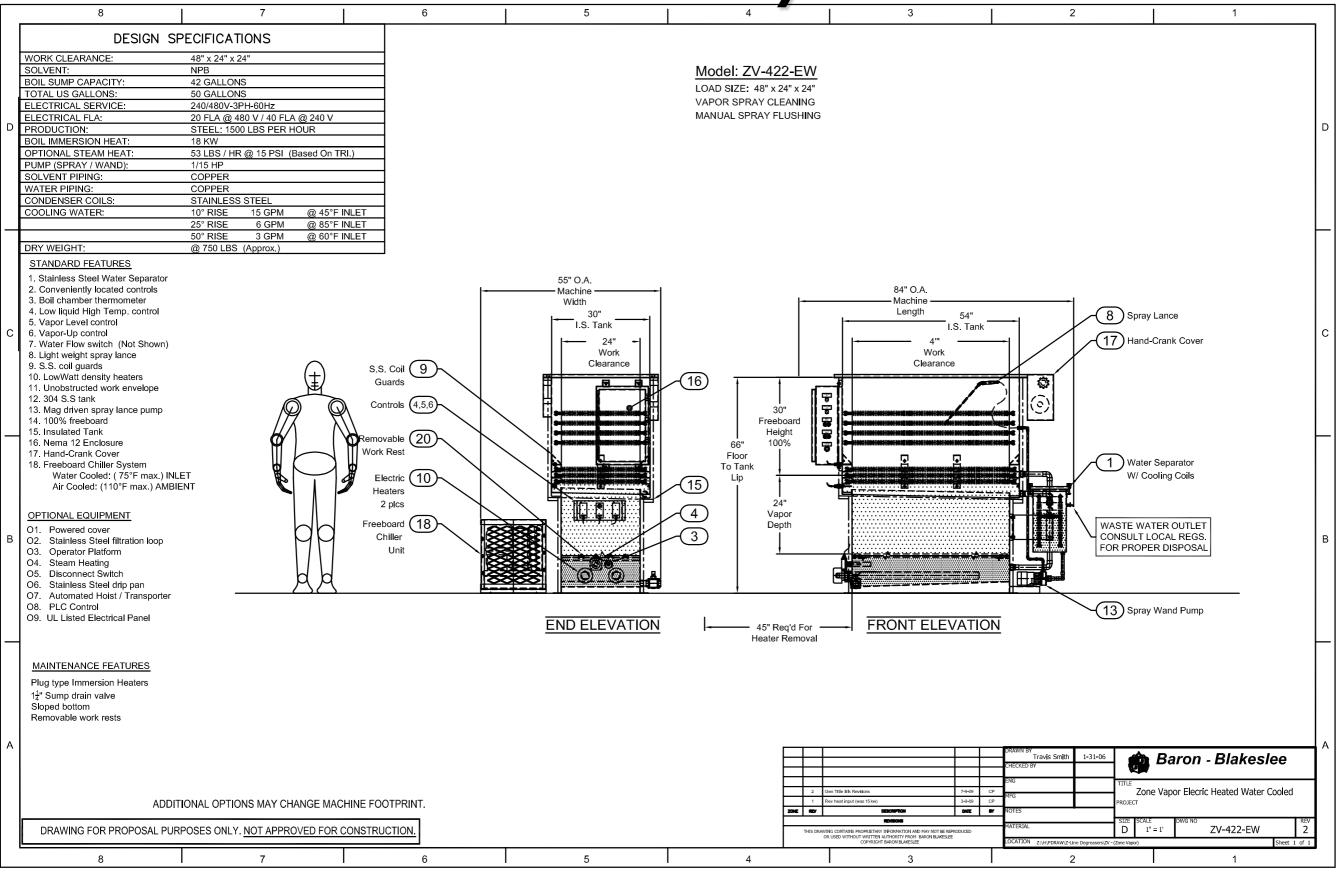


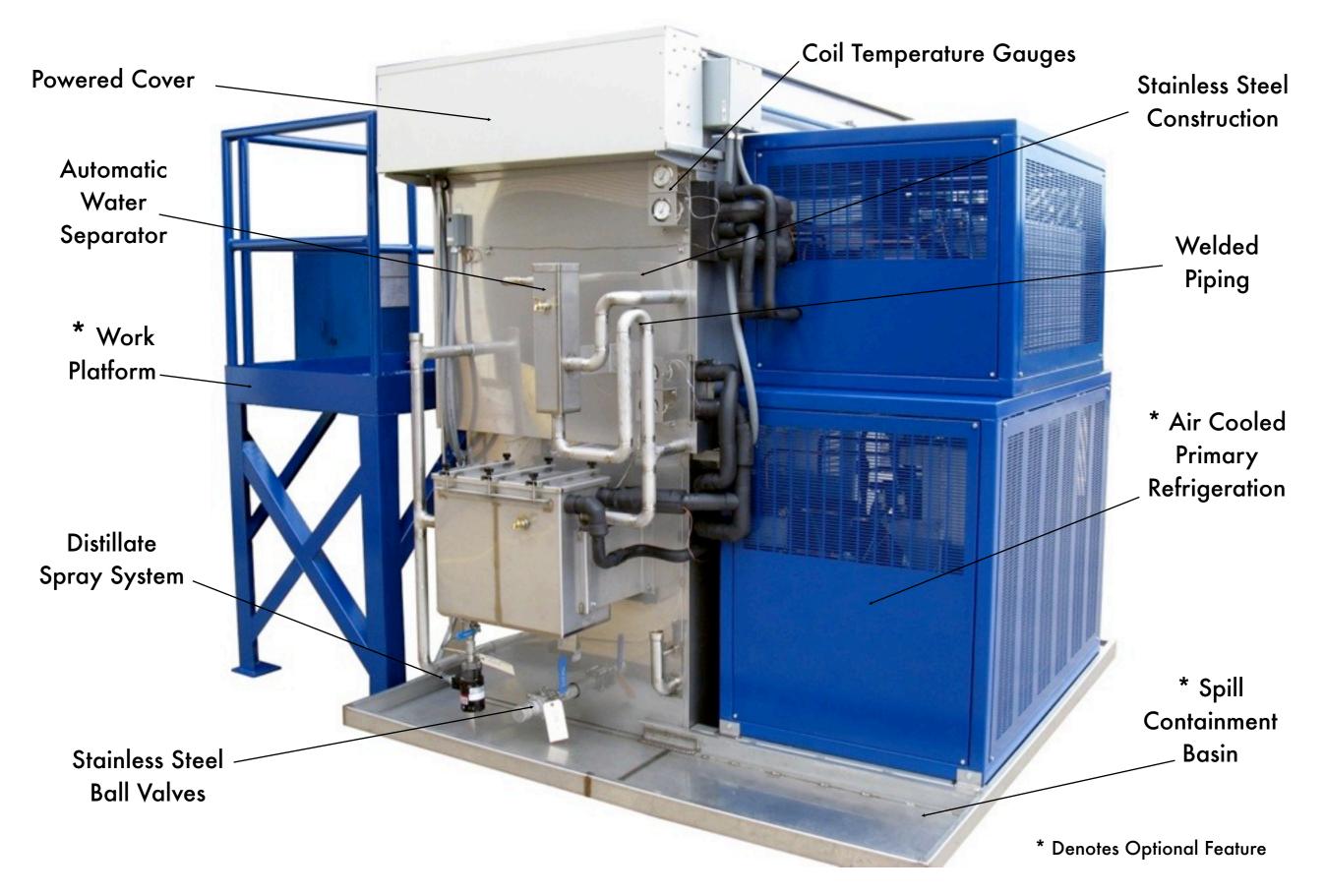
Z Series Technical Specifications

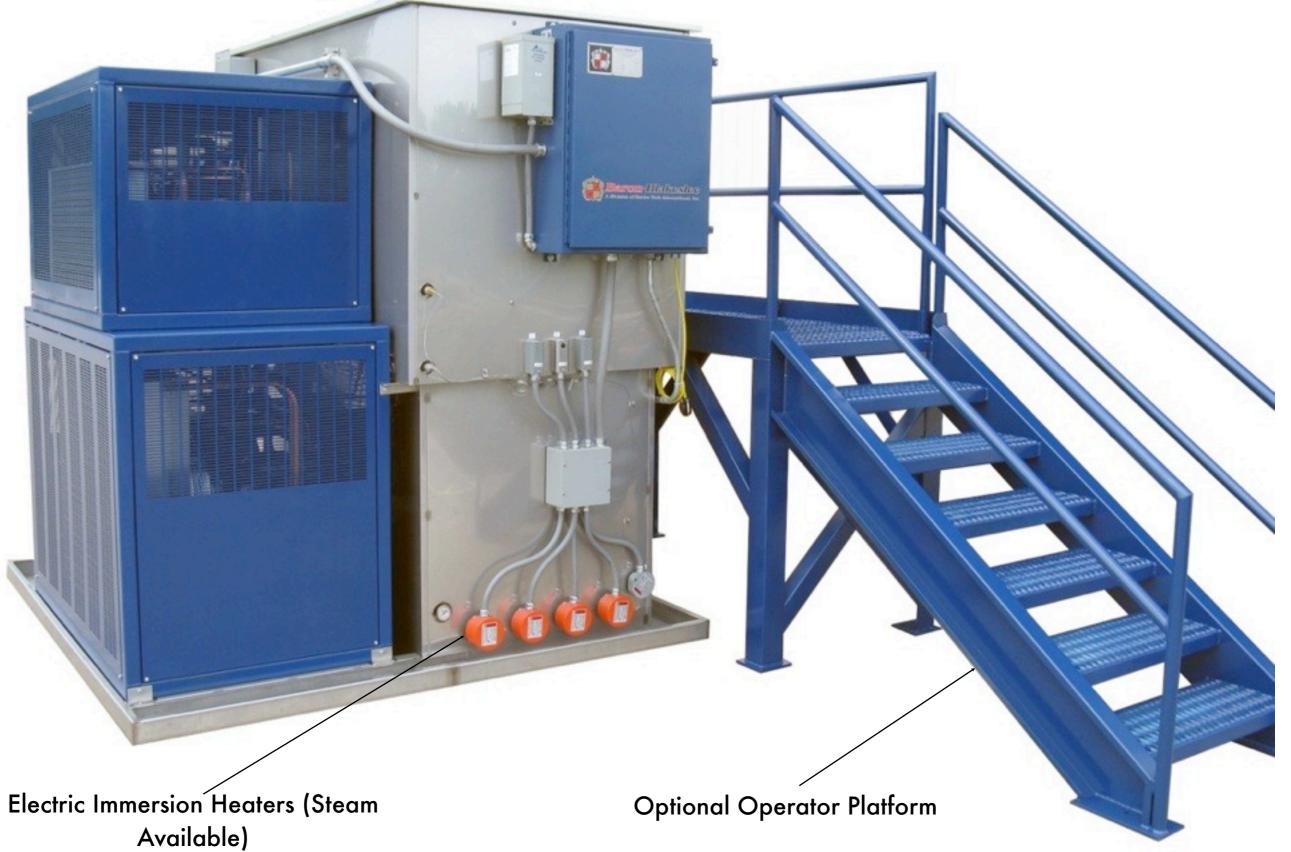
MODEL NUMBER	DIMENSIONS IN INCHES						HEAT INPUT		WORK- LOAD				
	INSIDE TANK (Work Clearance) L W H			OVERALL L W H		Н	STEAM (LBS/HR @ 15 PSI) (KW)		LBS. OF STEEL /HR	SOLVENT CAPACITY (GALLONS) Boil Spray		WORK - IDLE DISTILLATION RATE (GPH) (Based On nPB)	CRATED WEIGHT (LBS)
ZV-422-EW	48	24	24	81	40	66	54	15	2000	43	5	26-44	1200
ZL-422-EW	48	24	24	81	40	92	87	24	2000	165	5	52-70	1200
ZV-533-EW	60	36	36	99	52	90	87	24	2500	80	6	48-70	1800
ZL-533-EW	60	36	36	99	52	128	163	45	2500	420	15	108-130	
ZV-633-EW	72	36	36	111	52	90	91	25	3000	96	15	44-70	2300
ZL-633-EW	72	36	36	111	52	128	180	50	3000	504	15	119-145	
ZV-733-EW	84	36	36	123	52	90	91	25	3000	112	15	47-72	3050
ZL-733-EW	84	36	36	123	52	128	196	54	3000	590	20	130-157	
ZV-844-EW	96	48	48	146	64	114	136	37.5	4000	170	20	74-109	3850
ZL-844-EW	96	48	48	146	64	164	271	75	4000	1112	20	182-217	



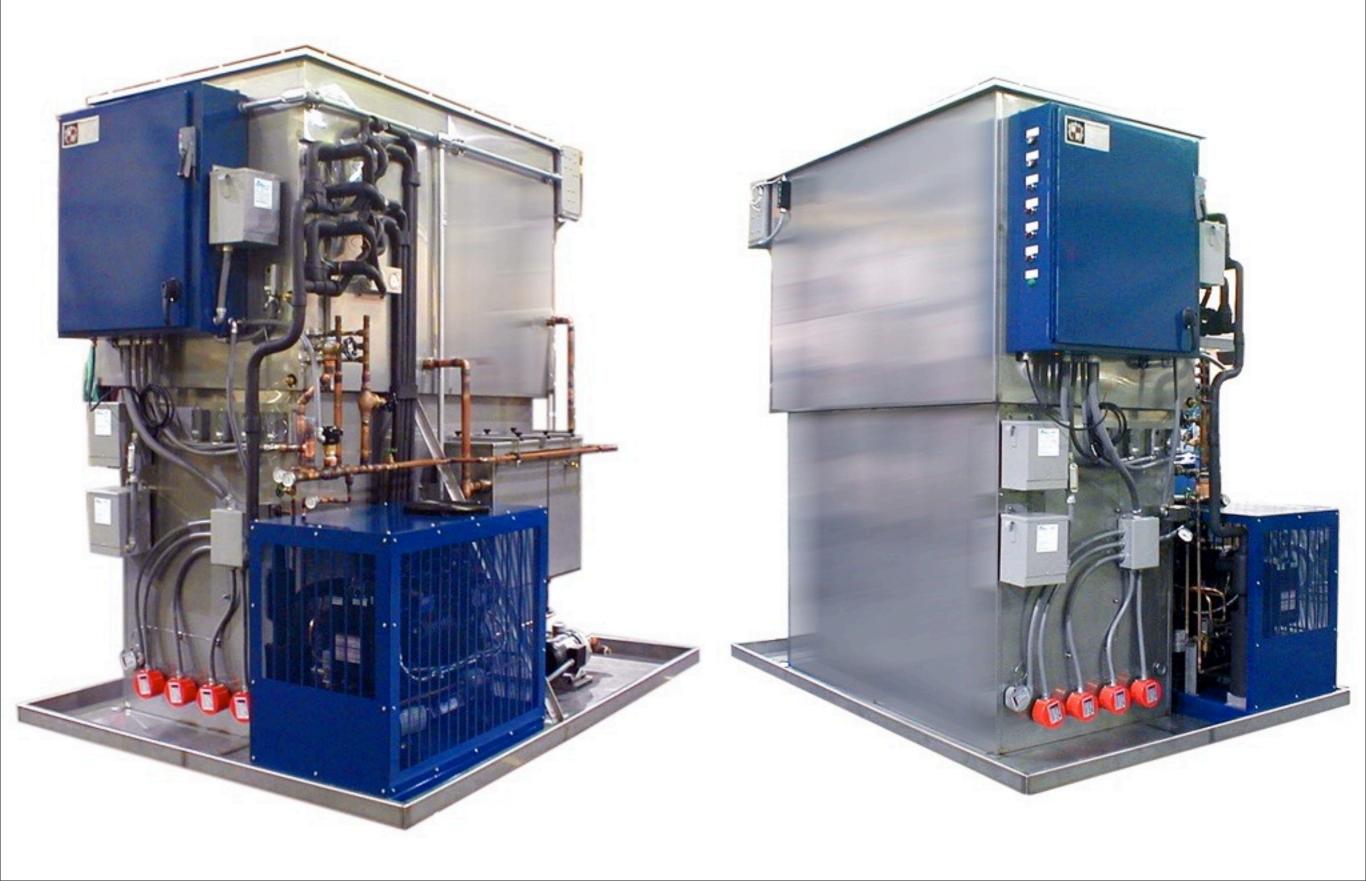
Z Series Layout











Baron Blakeslee Z Series Details











Baron Blakeslee Z Series Details



Selected Images Intended To Illustrate The Aesthetics, Robust Construction & Intelligent Design Of Baron Blakeslee

Z Series Options

Refrigerant-Cooled Primary Condensing Steam Heat Superheated Vapor Many Material Handling Options Available Marine Style Clean Out Port Stainless Steel Spill Containment Pan Energy Saving "Hot Shot" Heating System Service Contracts Spare Parts Packages



Z Series Primary Condensing Options #1





Requires A Constant Flow Of Water; Typically From City Source

Thermally Efficient, But Generates A Lot Of Waste Water

- Water Effluent Is Hot & May Be Used In Tank Lines, etc, But Contains No Chemical Waste
- In The Event Water Is Available, The Sub Zero Freeboard Refrigeration System May Be Equipped With A Water Cooled Condenser

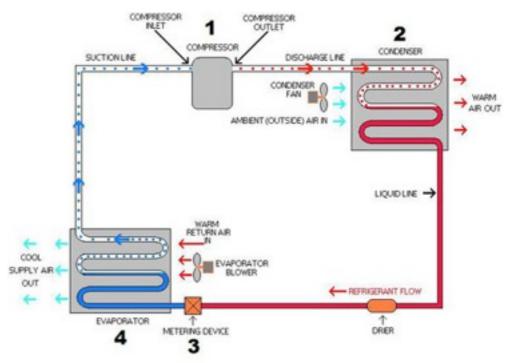
Z Series Primary Condensing Options #2

Direct Expansion Refrigeration

•May Be Air Or Water Cooled

•Thermally Efficient, But Generates Heat & Noise

•Highest Capital Cost Method Of Primary Condensing



•Not Suited To Environments That Are Oily, Dusty Or Constantly Above 100°F

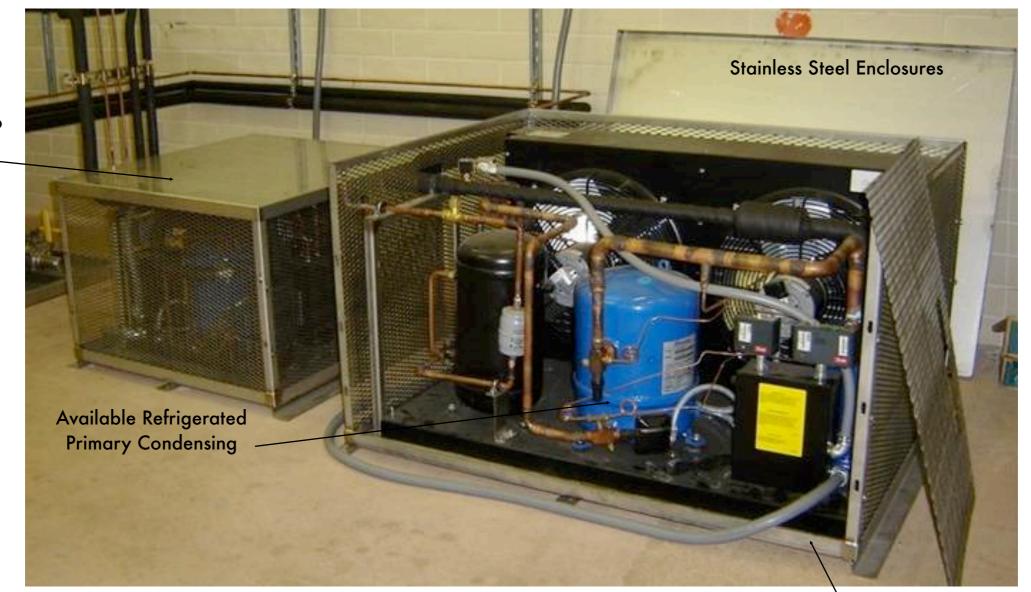
•If Air Cooled, Maintenance Is Required To Keep Condenser Surfaces Clean For

Proper Heat Transfer

•Air Cooled Condensers May Be Mounted On Exterior Of Building

Baron Blakeslee Z Series Refrigeration Systems

Standard Sub Zero Freeboard Chiller



Many Location Options

Environmentally Friendly Refrigerants:

R-134a: Primary

Air Or Water Cooled Condensers Available Skid Mounted Remote Refrigeration Modules (Stackable)

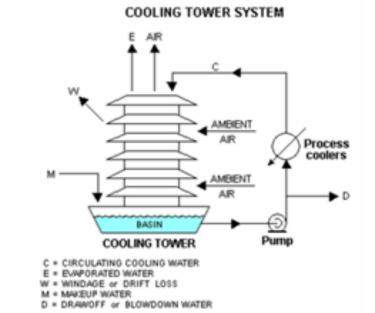
R-404a: Freeboard

Z Series Primary Condensing Options #3

Evaporative Cooling Tower

•Lower Capital Cost Method Of Primary Condensing

•May Be Located On Exterior Of Building



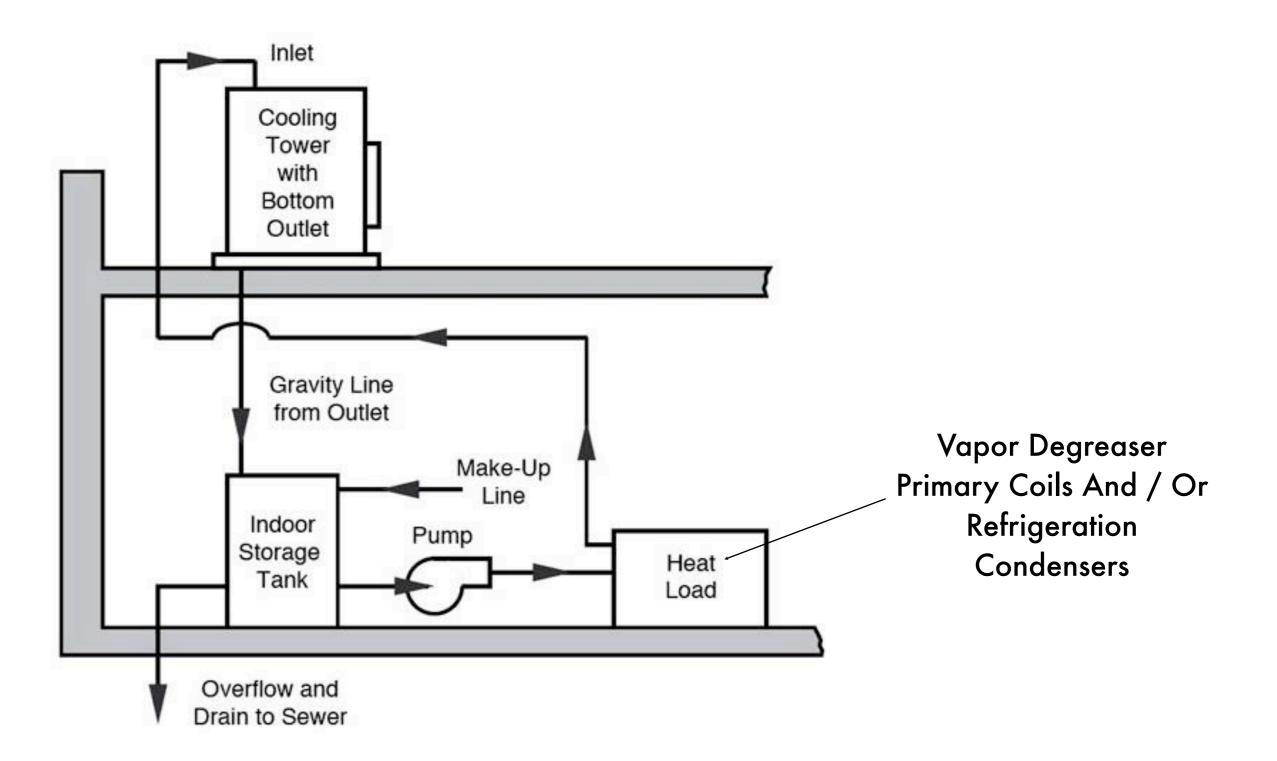
•Provides Chilled Water Source For Both Primary Condensing & Sub Zero Freeboard Refrigeration System Condenser

•Easy To Maintain: Requires Water Conditioning, Periodic Blowdown & Storage Tank Heating In Winter (if storage tank is located outside building)

Typical Cooling Tower



Cooling Tower Schematic



Baron Blakeslee Z Series Tank Design



Coils

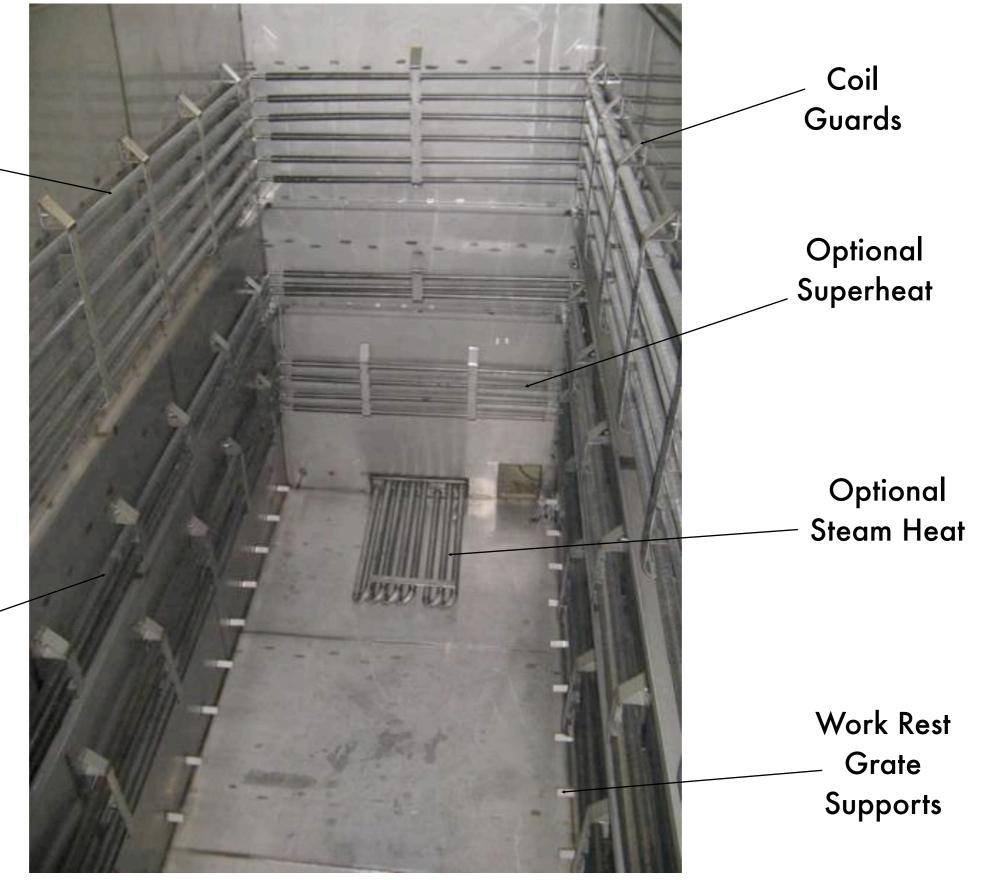
Volume & Places Coils Outside Of Workspace

Stainless Steel Coil Guards

Baron Blakeslee Z Coil Layout

Sub Zero Freeboard Chiller (automatic hot-gas bypass dual defrost system)

Stainless Steel – Finned Coils

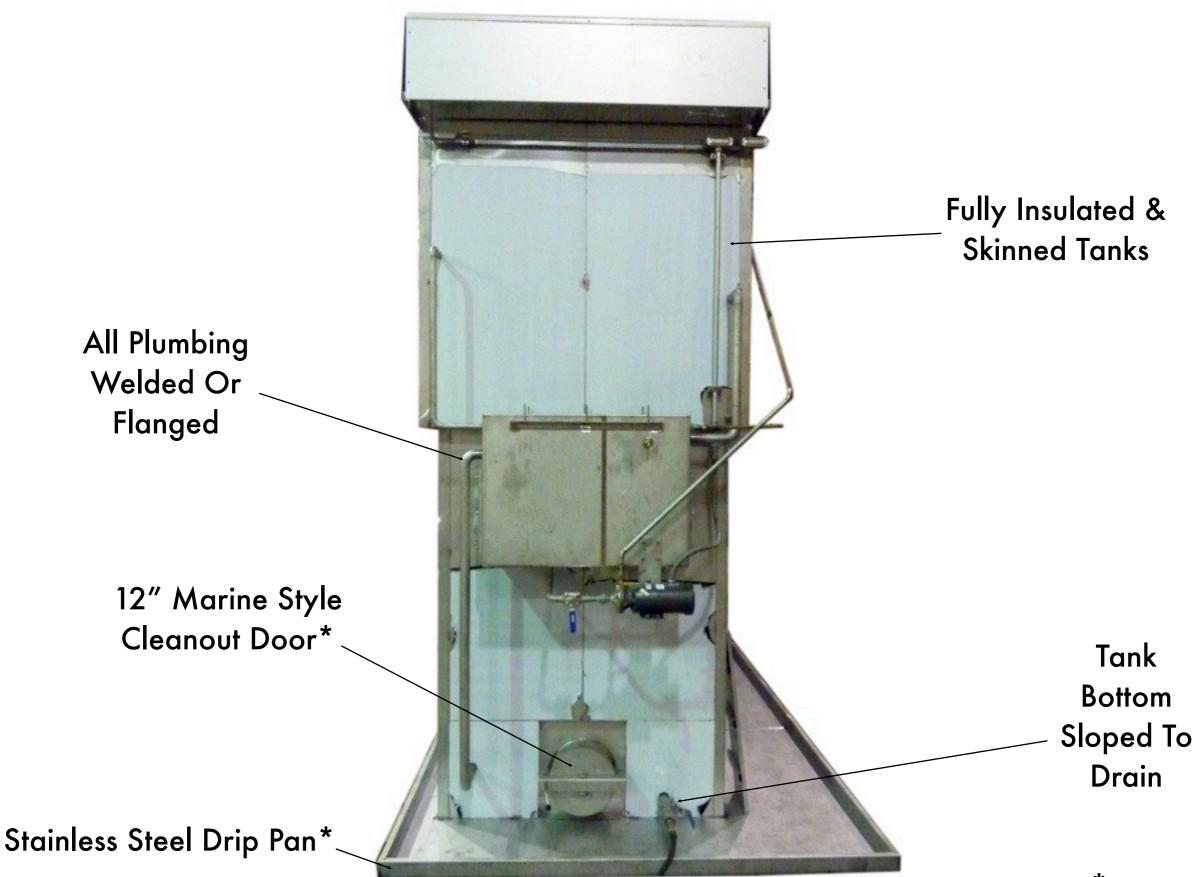


Dual Defrost Freeboard Refrigeration

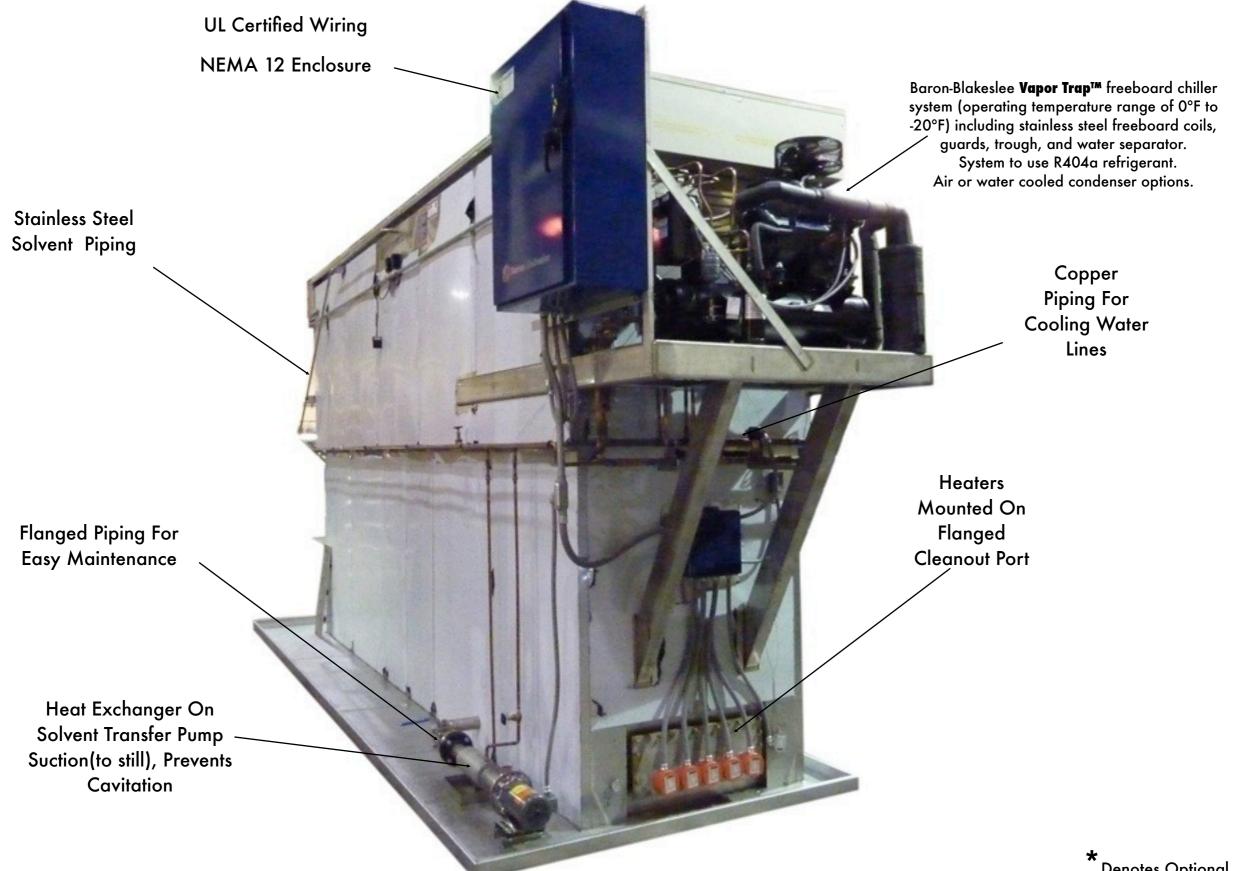


Freeboard Refrigeration System Features Dual Defrost: One Set Of Coils Cools While The Other Defrosts

Other Z Series Features







Hot Shot Heating System



Conserves Energy & Minimizes Solvent Emissions By Controlling Vapor Generation To Match Dynamic Thermal Load

Stainless Steel Drip Pan



304 Stainless Steel Construction Liquid Present Alarm Available 125% Volume Containment Available

Z Series Touchscreen Control











Z Series Electrical Panel





Baron Blakeslee SC Series Stills

Capacities From 30 GPH - 1000 GPH Custom Capacities Available Electrically Heated, Water Cooled Stainless Steel Finned Condensing Coils Chilled Water Separator UL Certification Optional Steam Heat Optional Steam Heat Optional Cooling Tower Optional Storage Tanks Optional Marine Style Cleanout Door

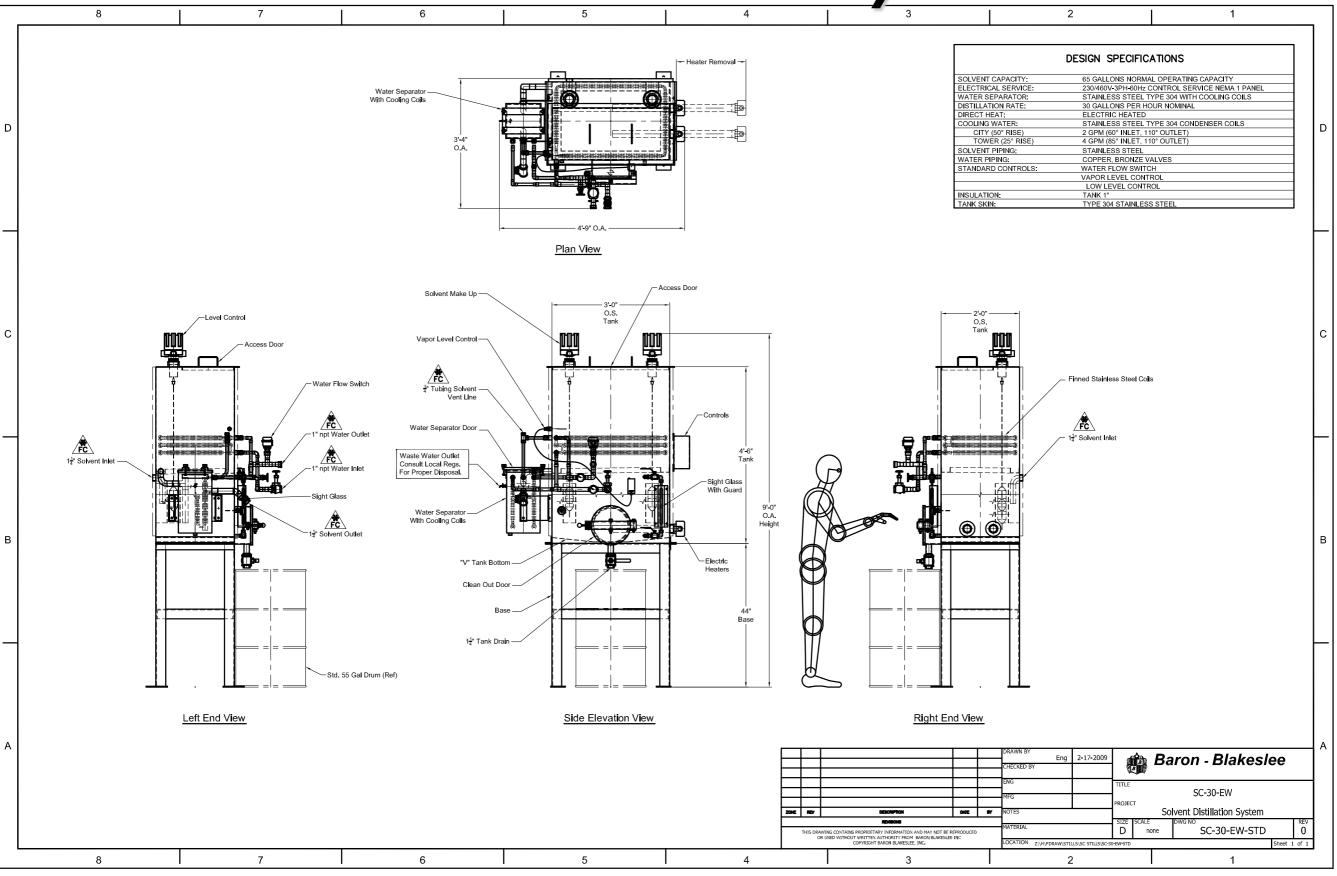


Marine Style Cleanout Door



Facilitates Maintenance Tool-Less Quick Access 12″ ID Circular Opening

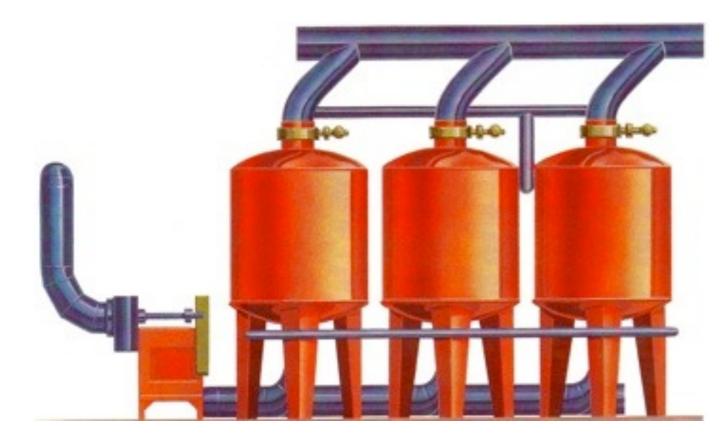
SC Series Still Layout



Solvent Vapor Recovery Modules

Carbon Adsorption Systems

Ideal For Large Degreasers Generally Used With Chlorinated Solvents Steam-Strippable For Closed Loop Process Recirculating & Vent To Atmosphere Styles Ideal For Applications With High Dragout Potential



Isolation Hood System



Bi-Parting Hood System Has Two Sets Of Doors, Opening In The Front To Allow The Load To Enter & Exit The Hood. Opening At The Top To Allow The Cables Of The Programmable Crane To Enter & Exit The Hood.

Contact Information

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