

VAPOR COMPRESSION DISTILLATION

BEVERAGE INDUSTRY

STANDARD FEATURES

MATERIALS OF CONSTRUCTION

Standard materials used are 316L stainless steel and product contact surfaces are 15-25 RA finish.

SANITARY COMPONENTS

Aqua-Chem's Vapor Compression Distillers are manufactured using sanitary valves, instruments, pumps and piping.

AUTOMATION

Aqua-Chem's Vapor Compression Distiller operation is fully automatic requiring minimal operator input. Addition of variable capacity control allows the unit to vary output flow rate based on demand, reducing the number of start/stops of the unit.

DEAERATOR

A 316L stainless steel deaerator removes carbon dioxide, oxygen and other noncondensable gases from the feedwater and distillate.

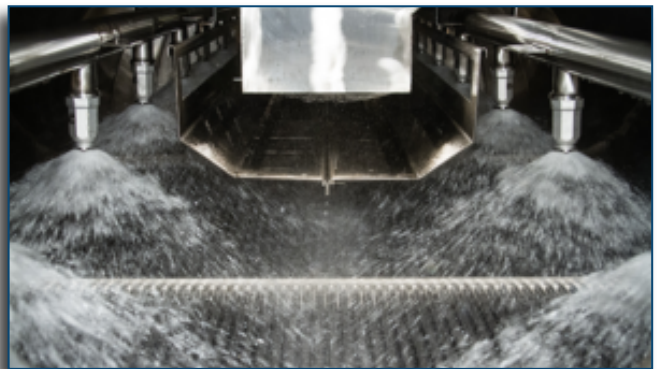
INSULATION

The evaporator and deaerator are insulated with low-chloride fiberglass and covered with polished stainless steel lagging.

COMPACT SIZE

Small overall dimensions allow unit to be shipped in standard shipping containers. In addition, the horizontal design allows the unit to fit through standard industrial building hallways and doorways.

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AQUA CHEM

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High-Efficiency Distillation Process for Purified Water



MODEL	BR-200	BR-500	BR-1000	BR-1500	BR-3000	BR-6000	BR-9000
Distillate Flowrate (gph)	200	500	1000	1500	3000	6000	9000
Blowdown (gmp)	20	50	100	1500	300	600	900
Inlet Pressure	50-60 PSIG	50-60 PSIG	50-60 PSIG	40-60 PSIG	40-60 PSIG	40-60 PSIG	40-60 PSIG
Design Temperature	50°-80°	50°-80°	50°-80°	50°-80°	50°-80°	50°-80°	50°-80°
Height	102"	109"	88.5"	94"	129"	156"	161"
Width	60"	87"	87"	93"	138"	147"	158"
Length	65"	151"	188"	250"	225"	298"	340"
Weight	4,000 lbs	8,200 lbs	11,250 lbs	16,000 lbs	27,000 lbs	49,300 lbs	60,750 lbs

ASK ABOUT OUR COMPLETE WATER ROOM DESIGN CAPABILITIES

Carbon Towers



Reverse Osmosis



Vapor Compression
Distillation



Primary Filtration



Pump Skids

