

VAPOR COMPRESSION DISTILLER [STMC]

PHARMACEUTICAL TECHNOLOGIES
BRAM-COR



BRAM-COR'S VAPOR COMPRESSION DISTILLER has been an integral component of our reliable and cost-effective high purity water systems. With 19 models of Vapor Compression Distillation units ranging from 17gph to 6,600gph and heating media choices (steam or electric), we have a unit perfectly suited for your application.

ADVANTAGES OF VAPOR COMPRESSION OVER MULTIPLE EFFECT DISTILLATION:
H₂O feed water - softened or single RO water (depending on raw water), Low maintenance (compressor bearings/seals every 9,000 loaded hours), Low industrial steam consumption, Efficient elimination of incondensable gases, Low feed water pressure (from 0.5 to 1 bar), Maximum output flexibility, No cooling water required, Low stress corrosion

VAPOR COMPRESSION DISTILLATION TECHNICAL DATA INCLUDES:

- **Standard Inlet Water Temperature:** ~15°C
- **Standard WFI Outlet Temperature:** 95 > 102 °C
- **Optional WFI Outlet Temperature:** 85 > 95 °C
- **Internal Active Surface Finish:** Ra < 0.5 µm
- **Stainless Steel clad exterior with 220 grit finish**
- **Compressed Air required at 6 bar:** 4 > 5 lpm
- **WFI Output Quality with Feed Water Supply <5 µS:** 0.15 > 0.4 µS/cm²

BC STMC 6 17



AWS BIO-PHARMA TECHNOLOGIES

WWW.AWSBIOPHARMA.COM 1.877.297.7763 SALES@AWSBIOPHARMA.COM

VAPOR COMPRESSION DISTILLER [STMC]

- FEATURING BRAM-COR PATENTED MULTISTAGE COMPRESSOR WITH:**
- *Reduced operating speed (2,000 rpm) to ensure long compressor life with a minimum guaranteed* compressor life of 5 years*
 - *Completely OIL FREE design*
 - *Compressor rebuild consists of only bearings and mechanical seals for reduced turnaround time and cost*
 - *Extraordinary heat efficiency due to our special impeller design*
 - *Low running noise (< 65-70 dB)*
 - *Special S/S shaft with ceramic inserts *with proper maintenance*

STMC MODEL	WFI CAPACITY		DIMENSIONS		EMPTY WEIGHT	
	[l/h]	[g/h]	[mm]	[in]	[kg]	[lbs]
60	66	17	1700x1050x2000	67x41x79	450	992
100	125	33	2400x1100x2350	94x43x93	780	1720
200	230	61	2400x1100x2350	94x43x93	880	1940
300	350	92	2600x1300x2500	102x51x98	1300	2866
500	550	145	2800x1500x2900	110x59x114	1800	3968
800	880	232	3000x1700x3000	118x67x118	2300	5071
1000	1200	317	3500x2000x3400	138x79x134	2500	5512
1500	1500	396	3625x2050x3575	143x81x41	2800	6173
2000	2200	581	3800x2050x3500	150x81x138	3200	7055
3000	3300	872	4200x2300x4350	165x91x71	3400	7496

STMC MODEL	WFI CAPACITY		DIMENSIONS		EMPTY WEIGHT	
	[l/h]	[g/h]	[mm]	[in]	[kg]	[lbs]
4000	4000	1057	4300x2600x4500	169x118x177	3500	7716
5000	5000	1321	4300x3000x4750	169x118x187	3800	8378
6000	6000	1585	5000x3550x4800	197x140x189	4200	9259
7500	7500	1981	5300x3800x5300	209x150x209	5700	12566
10000	10000	2642	7200x5400x5700	283x213x224	9000	19842
12500	12500	3302	5800x4800x6500	228x189x276	11000	24251
15000	15000	3963	7600x5800x7000	299x228x276	12500	27558

All Bram-Cor systems are designed and manufactured and in accordance with cGMP regulations, completely validatable, and are suitable for use in FDA and EMA regulated facilities. Visit us at: www.bramcor.com



AWS BIO-PHARMA TECHNOLOGIES

WWW.AWSBIOPHARMA.COM 1.877.297.7763 SALES@AWSBIOPHARMA.COM

BC STMC 6 17