

# CHILLER BARRIER

MODEL: CWB

CAPACITY: 2 to 300 Tons

24,000 to 3,600,000 BTUH

7.0 to 1,054.8 KW



## Features/Benefits

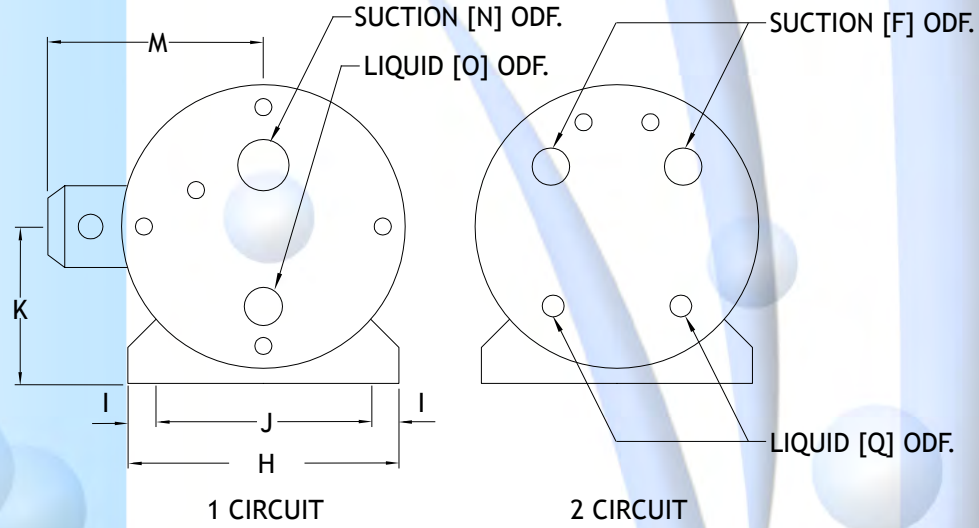
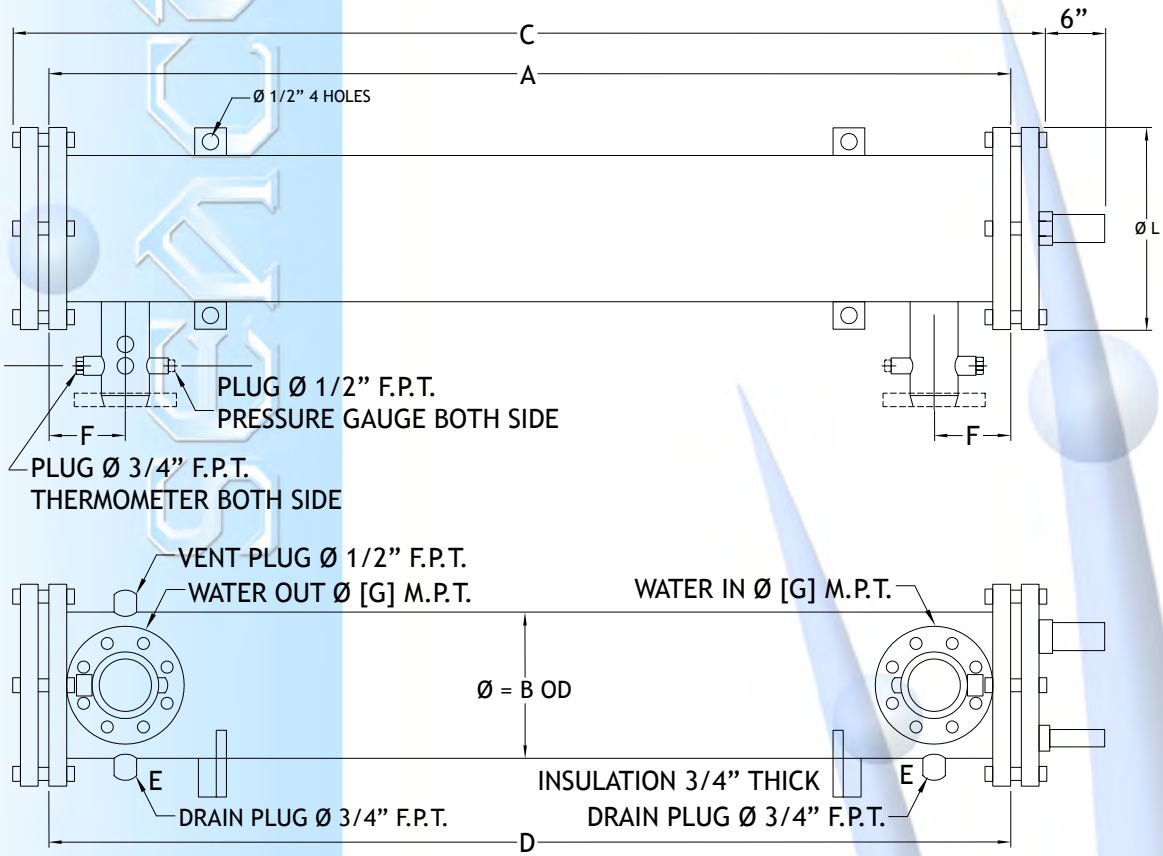
- High efficiency in performance, low water pressure drop and compact designed.
- Aluminium star rods fitted in copper tubing, create turbulence refrigerant flow and cause higher heat transfer efficiency.
- Removable heads and proper selection of head pass avoids excessive refrigerant pressure drops.
- Controlled refrigerant velocities. Insures positive oil return.
- High column strength tube design reduces the hazard of freeze-up.
- High corrosive resistance, with special rust protection chemical, coated inside the shell.
- Complete insulation from factory.
- Single or multi circuits options to suit various load conditions.
- Computer assisted sizing service available on all applications.



## PERFORMANCE DATA

MODEL:CWB	NOMINAL CAPACITY TONS	FLOWRATE GPM	PRESSURE DROP Ft. WG	DIMENSION DATA		APPROX. WEIGHT KGS
				SHELL OD INCH.	TUBE L. FT.	
002	2.0	5	1.52	4.5	3.0	60
003	3.0	6	1.34	5.5	3.0	75
004	4.0	9	2.26	5.5	4.0	90
005	5.0	11	3.32	5.5	4.0	95
008	8.0	19	2.64	6.5	4.0	115
010	10.0	24	3.96	6.5	5.0	130
015	15.0	37	0.96	8.5	4.5	175
020	20.0	50	2.06	8.5	5.5	200
025	25.0	56	4.42	8.5	6.5	230
030	30.0	74	3.07	10.5	5.0	260
040	40.0	100	3.9	10.5	6.0	300
050	50.0	129	4.93	12.5	5.0	350
060	60.0	147	5.87	12.5	6.0	390
075	75.0	180	9.1	12.5	7.5	460
100	100.0	258	6.19	14.0	8.0	560
120	120.0	294	7.11	14.0	10.0	660
150	150.0	387	11.33	16.0	10.0	840
175	175.0	411	8.82	18.0	9.0	950
200	200.0	473	8.69	18.0	10.0	1100
300	300.0	870	5.76	22.0	10.0	1400

# DIMENSIONAL DATA INCH



**DIMENSIONAL DATA INCH**

CWB	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
2	36	4-1/2	41	26	5	3	3/4	7	1	5	5-1/4	7-1/2	8	5/8	1/2	-	-
3	36	4-1/2	41	26	5	3	3/4	8	1	6	5-3/4	8-1/2	10	3/4	5/8	-	-
4	48	5-1/2	53	28	10	3	1	8	1	6	5-3/4	8-1/2	10	7/8	5/8	-	-
5	48	5-1/2	53	28	10	3	1	8	1	6	5-3/4	8-1/2	10	7/8	5/8	-	-
8	48	6-1/2	53	28	10	3	1-1/4	9	1	7	6-1/4	9-1/2	11	1-1/8	7/8	7/8	5/8
10	60	6-1/2	65	40	10	3	1-1/4	9	1	7	6-1/4	9-1/2	11	1-1/8	7/8	7/8	5/8
15	54	8-1/2	59-1/4	34	10	3-1/4	1-1/2	12	1	10	7-1/4	12	12	1-3/8	7/8	1-1/8	7/8
20	66	8-1/2	71-1/4	46	10	3-1/2	2	12	1	10	7-1/4	12	12	1-5/8	7/8	1-1/8	7/8
25	78	8-1/2	83-1/4	58	10	3-1/2	2	12	1	10	7-1/4	12	12	2-1/8	7/8	1-3/8	7/8
30	60	10-1/2	65-1/4	40	10	3-1/2	2-1/2	14	2	10	8-1/4	14	12	2-1/8	7/8	1-3/8	7/8
40	72	10-1/2	77-1/4	52	10	3-3/4	3	14	2	10	8-1/4	14	12	2-1/8	7/8	1-5/8	7/8
50	60	12-1/2	65-1/4	40	10	3-3/4	3	14	2	10	9-1/4	16	14	2-5/8	1-1/8	1-8/8	7/8
60	72	12-1/2	77-1/4	52	10	4-1/2	3	14	2	10	9-1/4	16	14	2-5/8	1-1/8	2-1/8	7/8
75	90	12-1/2	95-1/4	52	19	8	4	14	2	10	9-1/4	16	14	2-5/8	1-1/8	5-1/8	7/8
100	96	14	101-1/4	58	19	4-1/2	4	17	2	13	10	17-1/2	14	-	-	2-1/8	1-4/8
120	120	14	125-1/4	80	20	6-1/2	5	17	2	13	10	17-1/2	14	-	-	2-5/8	1-1/8
150	120	16	125-1/4	80	20	6-1/2	5	17	2	13	11	19-1/2	16	-	-	2-5/8	1-1/8
175	108	18	113-1/4	70	19	5-1/2	6	17	2	13	12	21-1/2	18	-	-	2-5/8	1-1/8
200	120	18	125-1/4	80	20	6-1/2	6	17	2	13	12	21-1/2	18	-	-	3-1/8	1-3/8
300	120	22	125-1/4	80	20	7-1/2	8	22	2	18	15	25-3/4	17	-	-	*3-1/8	*1-3/8

NOTES \* SUCTION & LIQUID LINE SIZE FOR 3 CIRCUIT  
 \*\* WATER CONNECTIONS ARE NPT THRU 3 INCHES.  
 CONNECTION LARGER THAN 3 INCHES.  
 TERMINATE IN 150-LB FLANGES.