

## PARAFLOW™ TYPICAL CHARGES

UNIT MODEL	REFRIGERANT						SOLUTION						BZT* STEAM ONLY	ALCOHOL
	STEAM			DIRECT-FIRED			STEAM			DIRECT-FIRED				
	DRUMS	LBS.	GALS.	DRUMS	LBS.	GALS.	DRUMS	LBS.	GALS.	DRUMS	LBS.	GALS.	LBS.	GALS.
12SC	N/A	N/A	N/A	3	1100	132	N/A	N/A	N/A	8	2975	221	N/A	14.3
13SC	N/A	N/A	N/A	3	992	119	N/A	N/A	N/A	10	3718	276	N/A	14.3
14SC	4	1475	177	3	1300	156	9	3352	249	12	4483	333	.14	14.3
15SL	N/A	N/A	N/A	5	2200	264	N/A	N/A	N/A	13	5226	388	N/A	9.5
16S	N/A	N/A	N/A	5	2200	264	N/A	N/A	N/A	13	5226	388	N/A	9.5
16SL	7	2792	335	6	2459	295	13	5072	377	17	6593	490	.22	14.3
17S	7	2792	335	6	2459	295	13	5072	377	17	6593	490	.22	14.3
18S	7	3034	364	7	2967	356	16	6174	458	20	7916	588	.26	14.3
19S	9	3959	475	8	3451	414	18	6924	514	23	9217	684	.29	19.0
16G	4	1609	193	4	1509	181	12	4781	355	21	8499	631	.20	9.5
16GL	5	1967	236	4	1450	174	14	5440	404	24	9349	694	.23	9.5
17G	5	1909	229	3	1375	165	14	5652	420	24	9562	710	.24	9.5
18G	5	2184	262	5	2125	255	21	8181	607	31	12536	930	.35	14.3
19G	5	2217	266	4	1675	201	23	9030	670	47	18698	1388	.38	14.3
19GL	11	5059	607	8	3467	416	31	12536	930	51	20611	1530	.53	14.3
20G	10	4176	501	9	3926	471	36	14236	1057	57	22948	1703	.61	14.3
21G	10	4576	549	N/A	N/A	N/A	41	16212	1203	N/A	N/A	N/A	.69	14.3
22G	9	4084	490	N/A	N/A	N/A	55	22000	1632	N/A	N/A	N/A	.94	14.3
22GL	9	4084	490	N/A	N/A	N/A	59	23500	1744	N/A	N/A	N/A	1.0	37.0

**NOTES:**

\* BZT (Benzotriazole) is supplied with the chiller from the factory as part of the chiller's ship loose parts. It is for a one time only installation by a qualified YORK Service Technician in the first stage generator of steam fired units at chiller start-up.

One gallon of water at 60°F = 8.334 lbs.

One gallon of solution at 55% concentration = 13.48 lbs.

One drum holds 30 US gallons. Drum quantities are full drums, in some cases overage may occur.

## CHILLER TUBE VOLUMES

UNIT MODEL	TUBE SIDE														
	# OF TUBES	EVAPORATOR				# OF TUBES	ABSORBER				# OF TUBES	CONDENSER			
		W/O WATER BOXES		W/WATER BOXES			W/O WATER BOXES		W/WATER BOXES			W/O WATER BOXES		W/ WATER BOXES	
		GAL	LTR	GAL	LTR		GAL	LTR	GAL	LTR		GAL	LTR	GAL	LTR
12SC	502	43.6	165.1	47.9	181.4	405	57.4	217.3	63.2	239.3	140	19.8	75.0	21.8	82.5
13SC	502	43.6	165.1	47.9	181.4	405	35.2	133.3	38.7	146.5	140	19.8	75.0	21.8	82.5
14SC	502	54.5	206.3	59.9	226.8	405	43.9	166.2	48.3	182.9	140	24.8	93.9	27.3	103.4
15SL	366	70.8	268.1	77.9	294.9	525	135.5	513.0	149.0	564.1	160	41.3	156.4	45.4	171.9
16S	408	79	299.1	86.9	329.0	525	135.5	513.0	149.0	564.1	160	41.3	156.4	45.4	171.9
16SL	366	88.5	335.1	97.4	368.8	525	169.4	641.4	186.3	705.4	160	51.6	195.4	56.8	215.1
17S	408	98.7	373.7	108.6	411.2	525	169.4	641.4	186.3	705.4	160	51.6	195.4	56.8	215.1
18S	408	118.4	448.3	130.3	493.3	525	203.2	769.4	223.6	846.6	160	61.9	234.4	68.1	257.8
19S	408	138.2	532.3	152.0	575.5	525	237.1	897.7	260.8	987.5	160	72.3	273.7	79.5	301.0
15GL	718	88.4	334.7	97.3	368.4	602	109.4	414.2	120.4	455.9	190	34.5	130.6	38.0	143.9
16G	720	86.3	326.8	94.9	359.3	602	72.1	273.0	79.3	300.2	190	33.6	127.2	37.0	140.1
16GL	718	110.5	418.4	121.6	460.4	602	136.8	518.0	150.5	569.8	190	43.2	163.6	47.5	179.8
17G	720	107.8	408.2	118.6	449.0	602	90.2	341.5	99.2	375.6	190	42.0	159	46.3	175.3
18G	720	129.4	489.9	142.3	538.8	602	108.2	409.7	119.0	450.6	152	58.8	222.6	64.7	245.0
19G	720	148.8	563.4	163.7	619.8	602	124.4	471.0	136.9	518.3	152	67.6	255.9	74.4	281.7
19GL	790	194.6	736.8	214.0	810.3	602	218.9	828.8	240.8	911.7	152	89.2	337.7	98.1	371.4
20G	1007	241.4	914.0	265.5	1005.2	823	291.5	1103.7	320.7	1214.2	215	111.0	420.3	122.0	461.9
21G	1234	295.8	1120.0	325.4	1232.0	946	335.1	1268.8	368.6	1395.6	252	130.0	492.2	143.1	541.8
22G	1404	336.6	1274.4	370.2	1401.7	1194	423.0	1601.6	465.3	1761.7	404	208.5	789.4	229.3	868.2

**NOTE:**

Water boxes are compact design.