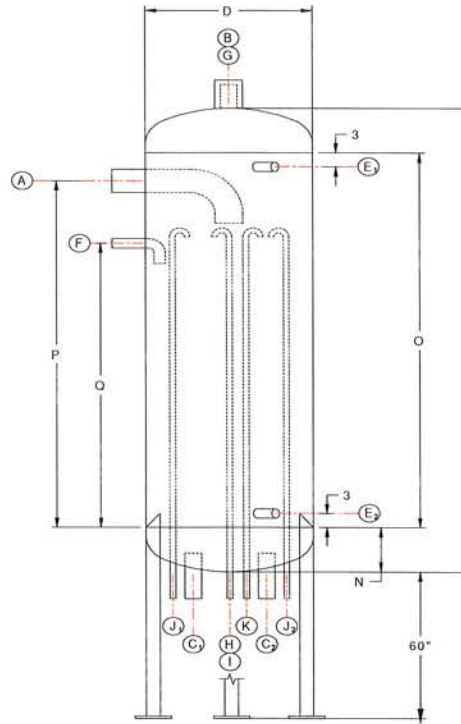
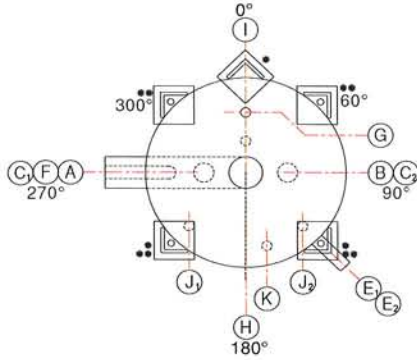




STANDARD VERTICAL RECIRCULATOR BARE VESSEL



Nozzle	Description	Connection
A	Wet Return	Stub
B	Gas Outlet	Stub
C	Pump Suction	Stub
E	Float Column	Stub
F	Liquid Makeup	Stub
G	Relief	Coupling
H	Oil Drain	Stub
I	Oil Pot Vent	Coupling
J	Volute Vent	Stub
K	Liquid By-Pass	Stub
M	Pump Bleed	Stub

24" vessels have 3 legs (0 - 120 - 240) *
 30" and larger have 4 legs (45 - 135 - 225 - 315) **

VERTICAL RECIRCULATOR DIMENSIONS

Model Number	A	B	C	D	E	F	G	H	I	J	K	L	N	O	P	Q	Surge Vol Cu.	F.Wt. (Lb)
VRC-24-112	5	4	2-1/2"	24"	1-1/2"	2"	3/4"	2"	3/4"	3/4"	1"	112-1/2"	8-1/4"	96"	90"	74"	14.99	1200
VRC-30-115	6	5	3"	30"	1-1/2"	2"	3/4"	2"	3/4"	3/4"	1-1/4"	115-1/2"	9-3/4"	96"	90"	74"	24.11	1475
VRC-36-118	6	6	4"	36"	1-1/2"	2"	3/4"	2"	3/4"	3/4"	1-1/4"	118-1/2"	11-1/4"	96"	90"	74"	35.08	2325
VRC-42-145	8	6	4"	42"	1-1/2"	2-1/2"	3/4"	2"	3/4"	3/4"	1-1/2"	145-1/2"	12-3/4"	120"	112"	94"	61.89	3200
VRC-48-148	8	8	5"	48"	1-1/2"	3"	3/4"	2"	3/4"	3/4"	1-1/2"	148-1/2"	14-1/4"	120"	112"	94"	81.33	4615
VRC-54-152	10	8	5"	54"	1-1/2"	3"	3/4"	2"	3/4"	3/4"	1-1/2"	152"	16"	120"	110"	91"	97.03	4420
VRC-60-155	10	8	5"	60"	1-1/2"	3"	3/4"	2"	3/4"	3/4"	1-1/2"	155"	17-1/2"	120"	110"	91"	118.66	6140
VRC-72-161	12	10	6"	72"	1-1/2"	4"	1"	2"	3/4"	3/4"	1-1/2"	161"	20-1/2"	120"	108"	88"	161.53	9210
VRC-84-167	12	10	8"	84"	1-1/2"	4"	1"	2"	3/4"	3/4"	2"	167"	23-1/2"	120"	108"	88"	219.64	11175
VRC-96-172	14	12	8"	96"	1-1/2"	5"	1"	2"	3/4"	3/4"	2"	172-1/2"	26-1/4"	120"	106"	84"	266.47	15990

Notes:

All dimensions and Nozzle sizes are given in inches.

Please consult factory for certified drawings.

Surge volume is the amount of area between normal operating level and high level cutout.

24" thru 48" vessels are designed for 300# DWP -40 +200 Design Temp Per ASME Section VIII, Division 1

54" and larger vessels are designed for 250# DWP -40 +200 Design Temp Per ASME Section VIII, Division 1

VERTICAL RECIRCULATOR CAPACITIES

Model Number	OPERATING TEMPERATURE										
	TWO STAGE					SINGLE STAGE					
	-50	-40	-30	-20	-10	0	+10	+20	+30	+40	
VRC-24-112	51.9	64.3	77.8	92.1	80.1	92.7	105	120	134	147	149
VRC-30-115	82.1	102	123	145	126	147	166	189	213	234	251
VRC-36-118	117	146	176	209	181	210	237	271	305	334	359
VRC-42-145	161	200	242	287	249	288	326	372	418	459	492
VRC-48-148	212	263	318	376	327	379	428	490	549	603	647
VRC-54-152	270	334	405	478	416	481	544	623	698	767	822
VRC-60-155	334	414	501	593	516	597	674	771	865	950	1019
VRC-72-161	481	595	720	853	741	858	969	1109	1244	1366	1465
VRC-84-167	654	809	979	1159	1008	1167	1318	1508	1692	1858	1991
VRC-96-172	855	1056	1278	1513	1315	1522	1720	1968	2208	2425	2601

NOTES:

Capacities are given in tons of refrigeration. (R-717)

Two stage capacities are based on +35 deg. F liquid feed temperature.

Single stage capacities are based on +95 deg. F liquid feed temperature