



DELTA TEE

STANDARD REFRIGERATION VESSELS & SYSTEMS

DELTA TEE INTERNATIONAL INC.

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HORIZONTAL RECIRCULATORS

- Fully shop assembled and shipped as a single unit as permitted for transportation to minimize installation and commissioning time.
- Low NPSH sealless stainless steel pumps with double containment chamber canned motor for reliable leak-free operation with liquid refrigerants.
- Microprocessor controller in NEMA 4 steel enclosure for fully automated operation, with communication capabilities with plant control system for remote monitoring and/or control. Stainless steel NEMA AX enclosure available upon request.
- Full voltage pump motor starters integrated within controller enclosure with main disconnect or in separate enclosure. Soft start starters available upon request.
- ASME VIII Div 1 vessels and ASME B31.5 piping assembly.
- Available in stainless steel including vessels, piping, valves and structural base as requested.
- Consult factory for capacities with refrigerants other than ammonia (CO₂, R-507, etc.).



TABLE 1 HORIZONTAL RECIRCULATOR PACKAGE CAPACITIES T.R. R-717

MODEL NO.	SINGLE STAGE (1)						2-STAGE (2)				R-717 CHARGE Lb (3)	SURGE VOLUME CU. FT
	OPERATING TEMPERATURE						OPERATING TEMPERATURE					
	30°F	20°F	10°F	0°F	-10°F	-20°F	-20°F	-30°F	-40°F	-50°F		
DPRP-24136-H	112	102	91	82	73	64	75	66	58	50	379	7
DPRP30139-H	188	170	153	137	121	107	126	110	96	83	440	15.4
DPRP-36142-H	282	255	230	230	183	161	189	166	145	125	494	26.4
DPRP-42145-H	396	358	322	288	256	226	265	233	203	176	529	39.8
DPRP-48148-H	529	478	430	385	342	302	354	311	271	235	813	50.5
DPRP-54151-H	674	610	548	490	436	385	452	397	346	299	875	69.3
DPRP-60154-H	837	757	681	609	541	478	561	493	429	371	935	91
DPRP-72160-H	1234	1115	1003	897	797	704	826	726	633	547	1023	143.1
DPRP-84166-H	1696	1533	1379	1233	1096	968	1136	998	870	752	1477	198.6
DPRP-96172-H	2244	2029	1824	1631	1450	1281	1503	1320	1151	995	1605	276.8
DPRP-108178-H	2855	2581	2321	2075	1845	1629	1912	1679	1464	1266	1663	366.6
DPRP-120184-H	3539	3199	2877	2572	2287	2020	2370	2081	1814	1569	1775	473.9
DPRP-144196-H	5145	4651	4183	3740	3325	2936	3446	3026	2638	2281	1985	737.1

1. Single Stage based on 95°F Liquid Make Up

2. Two-Stage based on 25°F Liquid Make Up

3. Operating charge is based on Ammonia at 0°F

VERTICAL RECIRCULATORS

- Fully shop assembled and shipped as a single unit as permitted for transportation to minimize installation and commissioning time.
- Low NPSH sealless stainless steel pumps with double containment chamber canned motor for reliable leak-free operation with liquid refrigerants.
- Microprocessor controller in NEMA 4 steel enclosure for fully automated operation, with communication capabilities with plant control system for remote monitoring and/or control. Stainless steel NEMA AX enclosure available upon request.
- Full voltage pump motor starters integrated within controller enclosure with main disconnect or in separate enclosure. Soft start starters available upon request.
- ASME VIII Div 1 vessels and ASME B31.5 piping assembly.
- Available in stainless steel including vessels, piping, valves and structural base as requested.
- Consult factory for capacities with refrigerants other than ammonia (CO₂, R-507, etc.).



TABLE 1 VERTICAL RECIRCULATOR PACKAGE CAPACITIES T.R. R-717

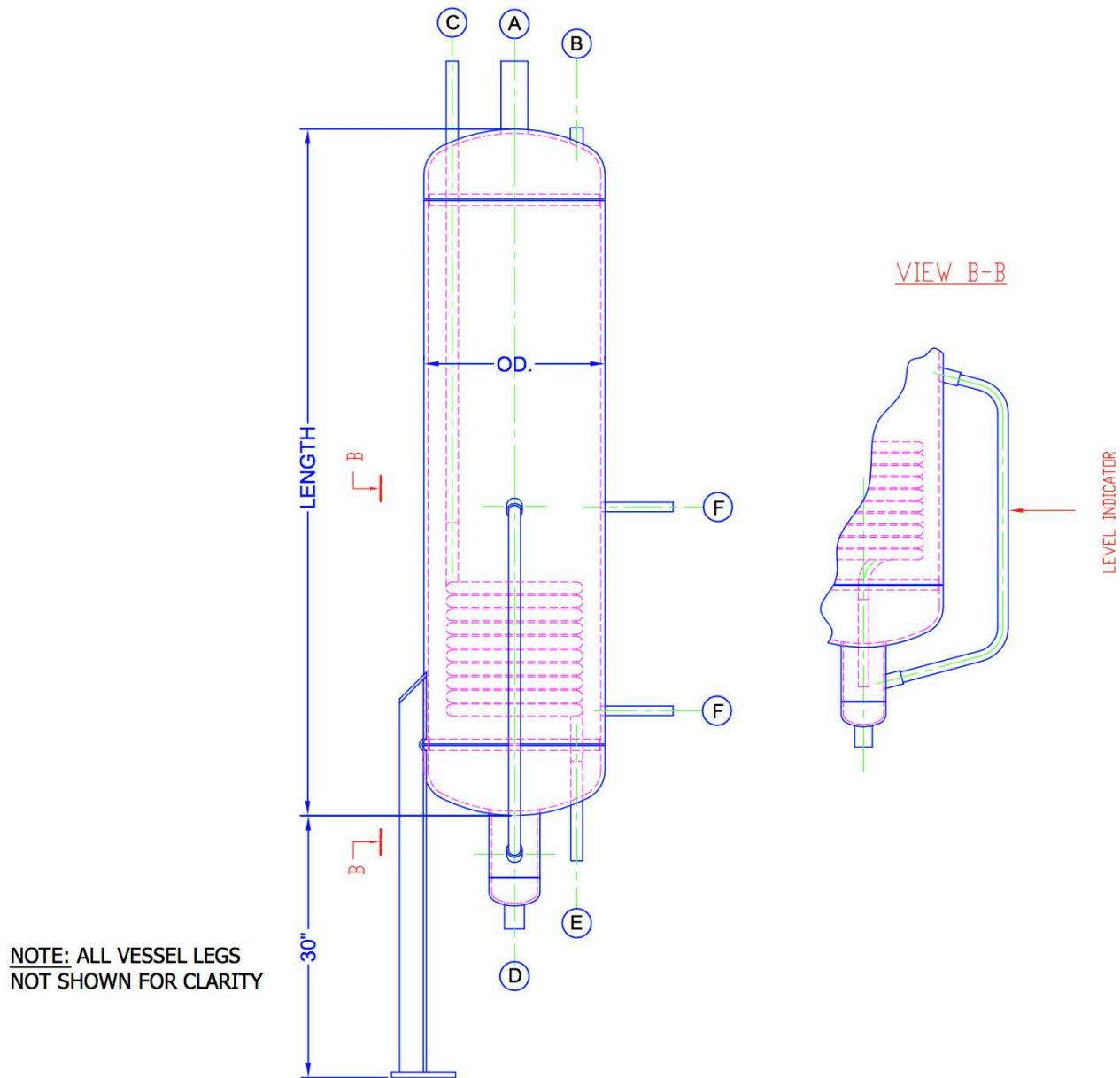
MODEL NO.	SINGLE STAGE (1)						2-STAGE (2)				R-717 CHARGE Lb (3)	SURGE VOLUME CU. FT
	OPERATING TEMPERATURE						OPERATING TEMPERATURE					
	30°F	20°F	10°F	0°F	-10°F	-20°F	-20°F	-30°F	-40°F	-50°F		
DPRP-24136-V	144	130	117	104	93	82	96	84	74	64	119	12.8
DPRP30139-V	227	205	185	165	147	130	152	134	117	101	180	19.8
DPRP-36142-V	330	298	268	240	213	188	221	194	169	146	250	30.5
DPRP-42145-V	452	408	367	329	292	258	303	266	232	200	445	56.5
DPRP-48148-V	593	536	482	431	383	338	397	349	304	263	564	76.3
DPRP-54151-V	746	674	606	542	482	426	500	439	383	331	691	91.9
DPRP-60154-V	917	829	745	666	592	523	614	539	470	406	823	117.1
DPRP-72160-V	1330	1202	1081	967	859	759	891	782	682	589	1,644	150.2
DPRP-84166-V	1808	1634	1470	1314	1168	1031	1211	1063	927	802	2,094	210.4
DPRP-96172-V	2373	2144	1928	1724	1533	1353	1589	1395	1216	1052	2,580	267.9
DPRP-108178-V	2999	2710	2437	2180	1938	1711	2008	1764	1537	1329	4,258	306.4
DPRP-120184-V	3699	3342	3006	2689	2390	2110	2477	2175	1896	1640	5,015	392.4
DPRP-144196-V	5338	4823	4338	3880	3449	3045	3575	3139	2736	2366	6,532	567.6

1. Single Stage based on 95°F Liquid Make Up

2. Two-Stage based on 25°F Liquid Make Up

3. Operating charge is based on Ammonia at 0°F

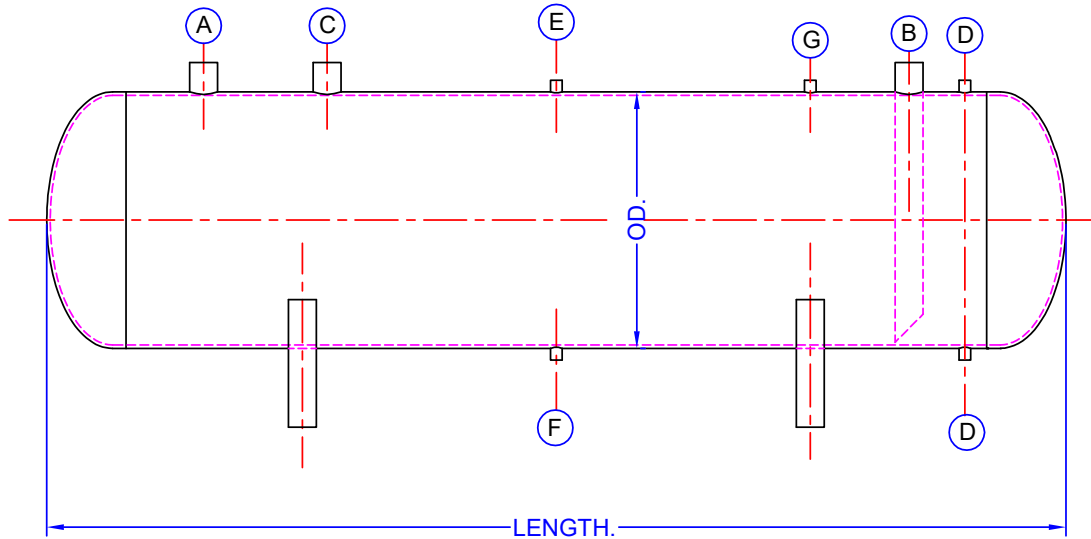
AMMONIA DISTILLERS



MODEL NO.	DIA	OVERALL LENGTH	A	B	C	D	E	F
			SUCTON OUTLET	RELIEF	COIL INLET	DRAIN	COIL OUTLET	FLOAT VALVE
DDHV-1660-V	16	60	2	1/2	3/4	1	3/4	3/4

1. ALL DIMENSIONS ARE IN INCHES

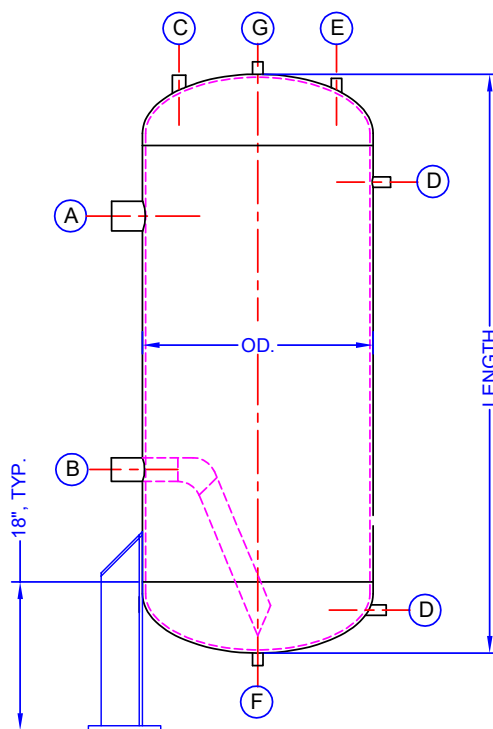
HORIZONTAL HIGH PRESSURE RECEIVER



MODEL NO.	DIA	OVERALL LENGTH	TOTAL VOLUME Ft ³ CU FT	HOLDING CAPACITY Lb R-717	A	B	C	D	E	F	G
					LIQUID INLET	LIQUID OUTLET	EQUAL	LEVEL COLUMN	RELIEF	DRAIN	PURGE
DHPR-20134-H	20	134	22	726	1-1/2	1	1	1-1/2	3/4	1	3/4
DHPR-24136-H	24	136	33	1,089	2	1	1	1-1/2	3/4	1	3/4
DHPR-30139-H	30	139	53	1,749	2-1/2	1-1/4	1-1/4	1-1/2	3/4	1	3/4
DHPR-36142-H	36	142	78	2,574	3	1-1/2	1-1/2	1-1/2	3/4	1	3/4
DHPR-42145-H	42	145	108	3,564	3	1-1/2	2	1-1/2	3/4	1	3/4
DHPR-48148-H	48	148	144	4,752	4	2	2	1-1/2	3/4	1	3/4
DHPR-48268-H	48	268	267	8,812	5	2-1/2	2-1/2	1-1/2	3/4	1	3/4
DHPR-54151-H	54	151	184	6,073	4	2-1/2	2-1/2	1-1/2	3/4	1	3/4
DHPR-54271-H	54	271	340	11,221	6	3	3	1-1/2	3/4	1	3/4
DHPR-60154-H	60	154	230	7,591	5	2-1/2	2-1/2	1-1/2	1	1	3/4
DHPR-60274-H	60	274	422	13,927	6	3	3	1-1/2	1	1	3/4
DHPR-72160-H	72	160	342	11,287	6	3	3	1-1/2	1	1	3/4
DHPR-72280-H	72	280	620	20,462	8	4	4	1-1/2	1	1	3/4
DHPR-84166-H	84	166	478	15,775	8	4	4	1-1/2	1	1	3/4
DHPR-84286-H	84	286	856	28,251	10	5	5	1-1/2	1	1	3/4
DHPR-96172-H	96	172	642	21,188	10	5	4	1-1/2	1	1	3/4
DHPR-96292-H	96	292	1,137	37,524	10	5	5	1-1/2	1	1	3/4

1. ALL DIMENSIONS IN INCHES (UNLESS NOTED OTHERWISE)
2. AMMONIA HOLDING CAPACITY AT VESSEL 90% FULL AND LIQUID AMMONIA AT 95°F
3. CONSULT FACTORY FOR OTHER SIZES

VERTICAL HIGH PRESSURE RECEIVER

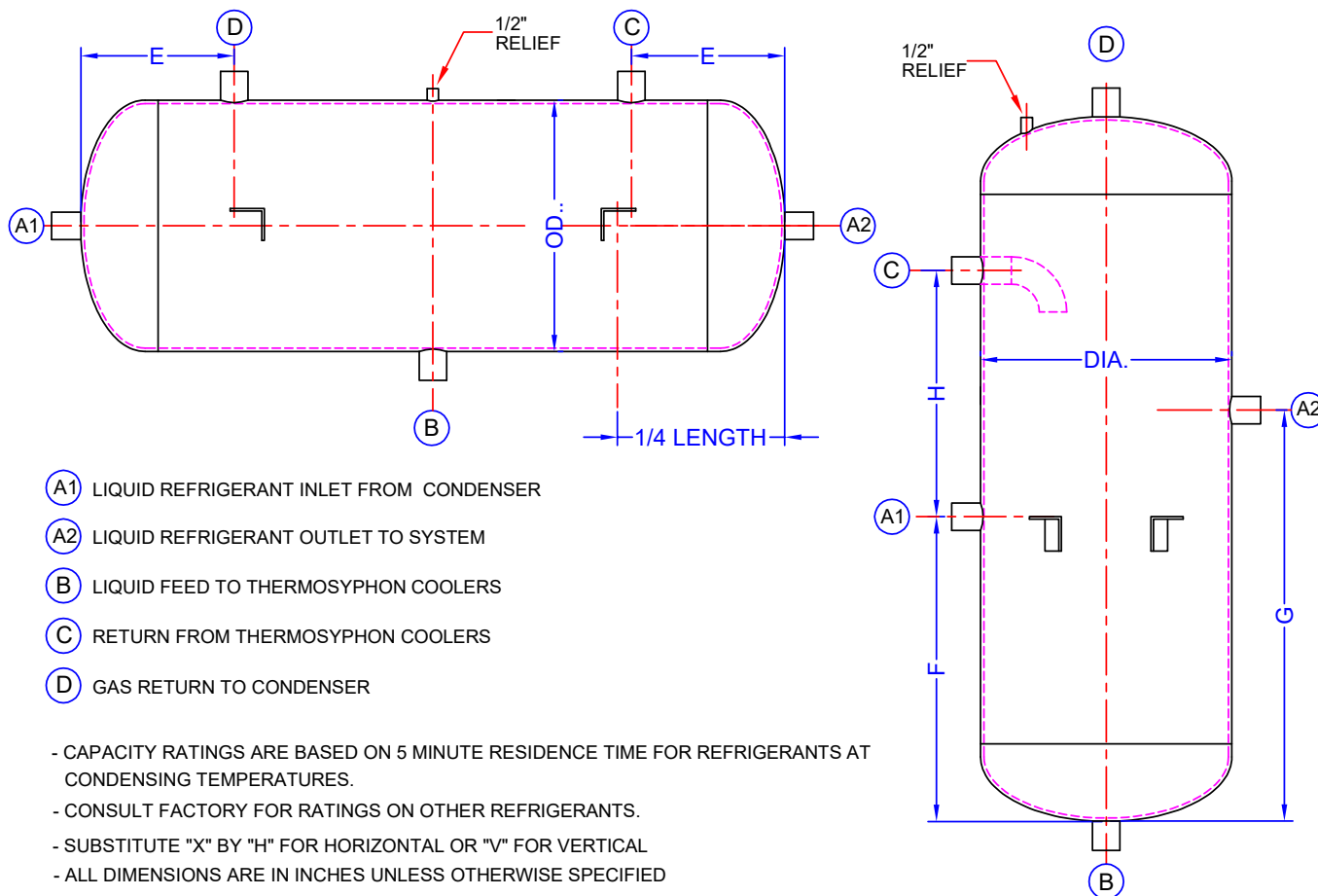


NOTE: ALL VESSEL LEGS
NOT SHOWN FOR CLARITY

MODEL NO.	DIA	OVERALL LENGTH	TOTAL VOLUME CU FT	HOLDING CAPACITY Lb R-717	A LIQUID INLET	B LIQUID OUTLET	C EQUAL	D LEVEL COLUMN	E RELIEF	F DRAIN	G PURGE
DHPR-20134-V	20	134	22	645	1-1/2	1	1	1-1/2	1	1	3/4
DHPR-24136-V	24	136	33	968	2	1	1	1-1/2	1	1	3/4
DHPR30139-V	30	139	53	1,555	2-1/2	1-1/4	1-1/4	1-1/2	1	1	3/4
DHPR-36142-V	36	142	78	2,288	3	1-1/2	1-1/2	1-1/2	1-1/2	1	3/4
DHPR-42145-V	42	145	108	3,168	3	1-1/2	2	1-1/2	1-1/2	1	3/4
DHPR-48148-V	48	148	143	4,195	4	2	2	1-1/2	1-1/2	1	3/4
DHPR-48220-V	48	220	217	6,366	5	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4
DHPR-54151-V	54	151	184	5,398	5	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4
DHPR-54199-V	54	199	246	7,217	5	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4
DHPR-54223-V	54	223	278	8,155	6	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4
DHPR-60154-V	60	154	230	6,747	5	3	3	1-1/2	1-1/2	1	3/4
DHPR-60202-V	60	202	307	9,006	6	3	3	1-1/2	1-1/2	1	3/4
DHPR-60226-V	60	226	345	10,121	6	3	3	1-1/2	1-1/2	1	3/4
DHPR-72160-V	72	160	342	10,033	6	3	3	1-1/2	1-1/2	1	3/4
DHPR-72208-V	72	208	453	13,289	6	3	3	1-1/2	1-1/2	1	3/4
DHPR-72232-V	72	232	508	14,903	6	4	4	1-1/2	1-1/2	1	3/4
DHPR-84166-V	84	166	478	14,023	6	4	4	1-1/2	1-1/2	1	3/4
DHPR-84214-V	84	214	629	18,452	8	4	4	1-1/2	1-1/2	1	3/4
DHPR-84238-V	84	238	704	20,653	8	5	5	1-1/2	1-1/2	1	3/4
DHPR-96172-V	96	172	642	18,834	8	4	4	1-1/2	1-1/2	1	3/4
DHPR-96220-V	96	220	840	24,642	10	5	5	1-1/2	1-1/2	1	3/4
DHPR-96244-V	96	244	939	27,547	10	5	5	1-1/2	1-1/2	1	3/4

1. ALL DIMENSIONS IN INCHES (UNLESS NOTED OTHERWISE)
2. AMMONIA HOLDING CAPACITY AT VESSEL 80% FULL AND LIQUID AMMONIA AT 95° F
3. CONSULT FACTORY FOR OTHER SIZES

THERMOSYPHON RECEIVER



MODEL	AMMONIA CAPACITY (kbtu/hr)	DIAMETER (DIA.)	LENGTH	A *	B*	C*	D*	E	F	G	H
TSV0804X	143	8 5/8	48	1 1/4	1 1/2	2	1 1/4	7	32	35	9
TSV1004X	228	10 3/4	48	1 1/2	1 1/2	2	1 1/2	8	31	34	9
TSV1205X	405	12 3/4	60	2	2	2 1/2	2	9	41	45	10
TSV1406X	575	14	72	2 1/2	2 1/2	3	2 1/2	9	50	55	13
TSV1606X	765	16	72	3	3	4	3	10	48	53	14
TSV1806X	960	18	72	3	3	4	3	11	47	52	14
TSV2006X	1200	20	72	4	4	5	4	12	45	51	15
TSV2407X	1900	24	78	5	4	5	4	14	44	52	20
TSV3007X	2970	30	78	6	5	6	5	15	42	51	21
TSV3607X	4670	36	84	8	6	8	6	20	41	52	23

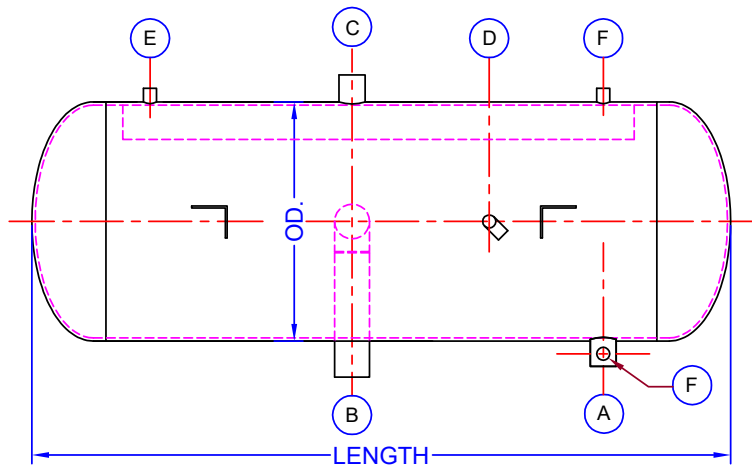
Technical drawing of a mechanical part, likely a shaft or pipe, showing dimensions and labels. The drawing includes a top view and a side view. The top view shows a rectangular cross-section with rounded ends, labeled with points A, B, C, D, E, F, and G. The side view shows the profile of the part, including a curved section on the right. Dimensions are indicated by blue lines and text: 'LENGTH' for the overall length, 'OD' for the outer diameter, and 'R' for the radius of the rounded ends. The drawing also includes a dashed line indicating the centerline and a red line indicating the axis of symmetry.

MODEL NO.	SINGLE STAGE (2)						2-STAGE (2)				R-717	SURGE VOLUME CU. FT
	OPERATING TEMPERATURE						OPERATING TEMPERATURE				CHARGE Lb (3)	
	30°F	20°F	10°F	0°F	-10°F	-20°F	-20°F	-30°F	-40°F	-50°F		
DSDS-1260-H	19	17	16	14	12	11	13	11	10	8	39	0.9
DSDS-1660-H	31	28	25	22	20	18	21	18	21	14	45	1.9
DSDS-2072-H	49	44	40	40	32	28	33	29	25	22	61	4.3
DSDS-2472-H	72	65	58	52	46	41	48	42	37	32	66	6.7
DSDS-3096-H	114	103	92	83	73	65	76	67	58	50	99	15.2
DSDS-3696-H	165	149	134	120	107	94	111	97	85	73	107	22.8
DSDS-42121-H	226	204	184	164	146	129	151	133	116	100	147	40.4
DSDS-48124-H	296	268	241	216	192	169	199	174	152	131	159	54.9
DSDS-54127-H	373	337	303	271	241	213	250	219	191	165	161	71.2
DSDS-60130-H	458	414	373	333	296	262	307	270	235	203	161	89.9

- | MODEL NO. | DIA | OVERALL LENGTH | A | B | C | D | E | F |
|--------------|-----|----------------|---------------|------------|--------------|----------------|--------|--------------|
| | | | LIQUID OUTLET | WET RETURN | VAPOR OUTLET | LIQUID MAKE UP | RELIEF | LEVEL COLUMN |
| DSDS-1260-H | 12 | 60 | 1-1/2 | 2-1/2 | 2 | 1 | 2 | 3/4 |
| DSDS-1660-H | 16 | 60 | 1-1/2 | 3 | 2-1/2 | 1 | 2 | 3/4 |
| DSDS-2072-H | 20 | 72 | 2 | 4 | 3 | 1-1/2 | 2 | 3/4 |
| DSDS-2472-H | 24 | 72 | 2 | 4 | 4 | 1-1/2 | 2 | 3/4 |
| DSDS-3096-H | 30 | 96 | 3 | 5 | 4 | 1-1/2 | 2 | 3/4 |
| DSDS-3696-H | 36 | 96 | 4 | 6 | 5 | 2 | 2 | 3/4 |
| DSDS-42121-H | 42 | 121 | 4 | 6 | 5 | 2 | 2 | 3/4 |
| DSDS-48124-H | 48 | 124 | 5 | 8 | 6 | 2-1/2 | 2 | 3/4 |
| DSDS-54127-H | 54 | 127 | 6 | 8 | 8 | 3 | 2 | 3/4 |
| DSDS-60130-H | 60 | 130 | 6 | 10 | 8 | 3 | 2 | 3/4 |

- 8

HORIZONTAL SURGE DRUM DUAL FLOW



HORIZONTAL SURGE DRUM DUAL FLOW CAPACITIES T.R. R-717 (1)

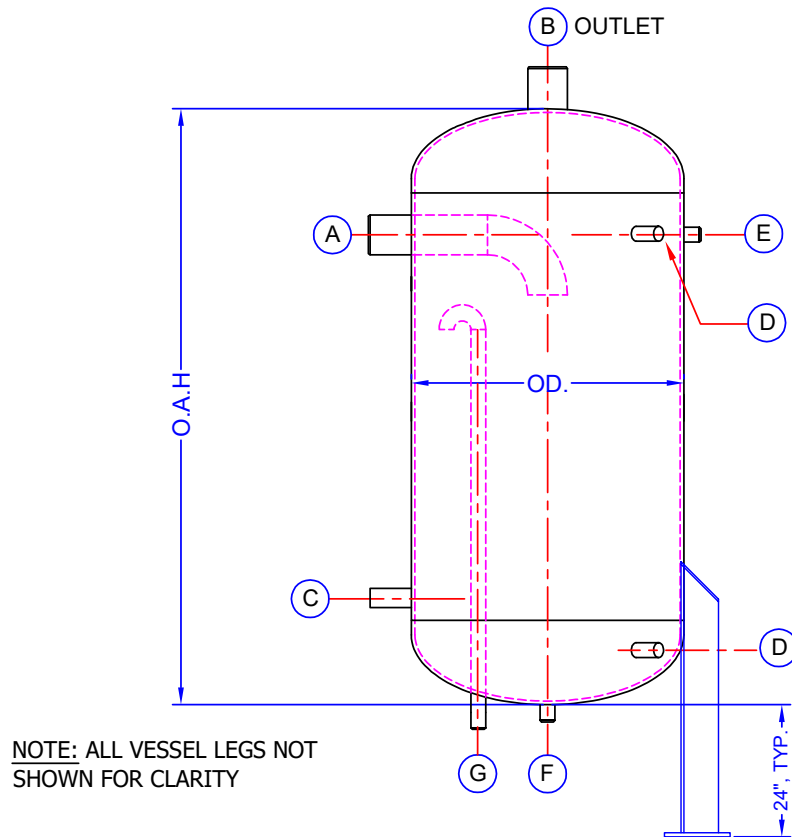
MODEL NO.	SINGLE STAGE (1)						2-STAGE (2)				R-717 CHARGE Lb (3)	SURGE VOLUME CU. FT
	OPERATING TEMPERATURE						OPERATING TEMPERATURE					
	30°F	20°F	10°F	0°F	-10°F	-20°F	-20°F	-30°F	-40°F	-50°F		
DSDD-1260-H	38	35	31	28	25	22	26	22	20	17	39	0.9
DSDD-1660-H	62	56	50	45	40	35	41	36	42	27	45	1.9
DSDD-20720-H	98	89	80	80	64	56	66	58	50	44	61	4.3
DSDD-24720-H	144	130	117	104	93	82	96	84	74	64	66	6.7
DSDD-3096-H	227	205	185	165	147	130	152	134	117	101	99	15.2
DSDD-3696-H	330	298	268	240	213	188	221	194	169	146	107	22.8
DSDD-42121-H	452	409	367	329	292	258	303	266	232	200	147	40.4
DSDD-48124-H	593	536	482	431	383	338	397	349	304	263	159	54.9
DSDD-54127-H	746	674	607	542	482	426	500	439	383	331	161	71.2
DSDD-60130-H	917	829	745	666	592	523	614	539	470	406	161	89.9

- CAPACITY RATINGS AND SURGE VOLUME ARE BASED ON MAXIMUM LIQUID LEVEL AT HALF WAY THE DIAMETER OF THE VESSEL.
- SINGLE STAGE BASED ON 95°F LIQUID MAKE UP. TWO-STAGE BASED ON 25°F LIQUID MAKE UP
- OPERATING CHARGE IS BASED ON AMMONIA AT 0°F

MODEL NO.	DIA	OVERALL LENGTH	A	B	C	D	E	F
			LIQUID OUTLET	WET RETURN	VAPOR OUTLET	LIQUID MAKE UP	RELIEF	LEVEL COLUMN
DSDD-1684-H	16	84	2	4	3	1-1/2	1-1/2	3/4
DSDD-2096-H	20	96	3	5	4	2	1-1/2	3/4
DSDD-2496-H	24	96	3	5	4	2	1-1/2	3/4
DSDD-3096-H	30	96	4	6	5	2-1/2	1-1/2	3/4
DSDD-36108-H	36	108	5	8	6	2-1/2	1-1/2	3/4
DSDD-42121-H	42	121	6	8	8	3	1-1/2	3/4
DSDD-48124-H	48	124	6	10	8	3	1-1/2	3/4
DSDD-54127-H	54	127	8	10	8	4	1-1/2	3/4
DSDD-60130-H	60	130	8	10	10	4	1-1/2	3/4

- ALL DIMENSIONS ARE IN INCHES

VERTICAL ACCUMULATOR



VERTICAL ACCUMULATOR CAPACITIES T.R. R-717

MODEL NO.	SINGLE STAGE (1)						2-STAGE ()			
	OPERATING TEMPERATURE						OPERATING TEMPERATURE			
	30°F	20°F	10°F	0°F	-10°F	-20°F	-20°F	-30°F	-40°F	-50°F
DACV-1296-V	34	30	27	24	22	19	23	58	17	15
DACV-1696-V	62	56	50	45	40	35	41	36	32	27
DACV-2108-V	98	89	80	72	64	56	66	58	50	44
DACV-24112-V	144	130	117	104	93	82	96	84	74	64
DACV-30115-V	227	205	185	165	147	130	152	134	117	101
DACV-36118-V	330	298	268	240	213	188	221	194	169	146
DACV-42145-V	452	408	367	329	292	258	303	266	232	200
DACV-48148-V	593	536	482	431	383	338	397	349	304	263
DACV-54151-V	746	674	606	542	482	426	500	788	383	331
DACV-60154-V	917	829	745	666	592	523	614	532	470	406
DACV-72160-V	1330	1202	1081	967	859	759	891	1395	682	589
DACV-84166-V	1808	1634	1470	1314	1168	1031	1211	1063	927	802
DACV-96172-V	2373	2144	1928	1724	1533	1353	1589	1395	1216	1052
DACV-108178-V	2999	2710	2437	2180	1938	1711	2008	1764	1537	1329
DACV-120184-V	3699	3342	3006	2689	2390	2110	2477	2175	1896	1640
DACV-144196-V	5338	4823	4338	3880	3449	3149	3575	3139	2736	2366

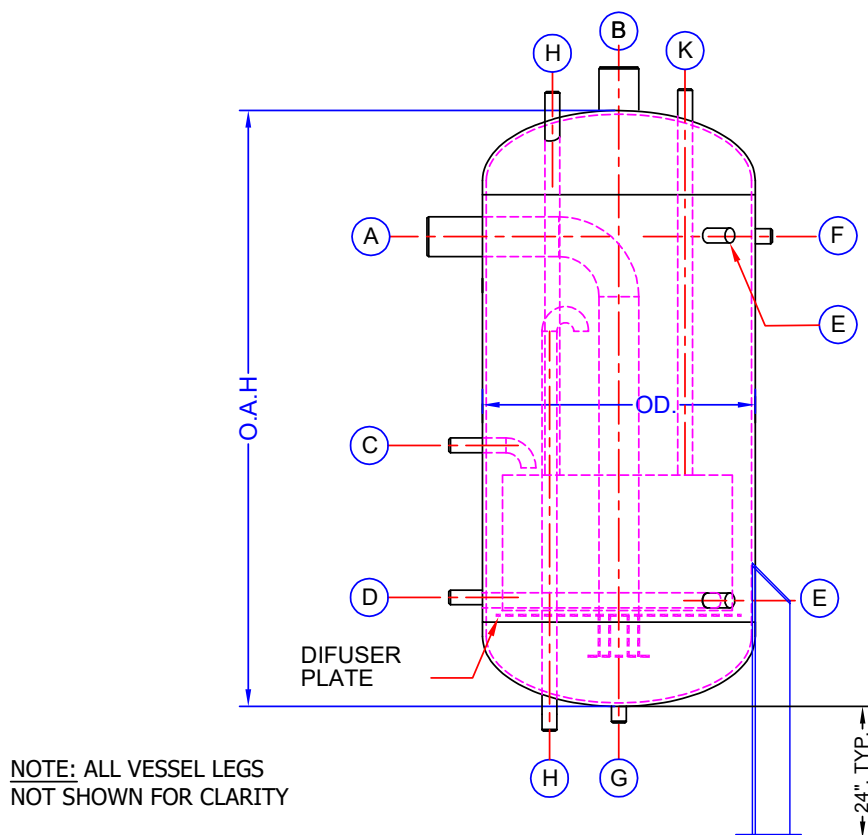
1. SINGLE STAGE CAPACITY BASED ON 95°F LIQUID MAKE UP. TWO STAGE CAPACITIES BASED ON 25°F LIQUID MAKE UP
2. SEE SHEET 2 FOR SCHEDULE CONNECTIONS

VERTICAL ACCUMULATOR CONNECTIONS

MODEL NO.	DIA	OVERALL LENGTH	A	B	C	D	E	E	F
			SUCTION INLET	SUCTION OUTLET	LIQUID OUTLET	LEVEL COLUMN	RELIEF	DRAIN	EQUAL
DACV-1296-V	12	96	2-1/2	2-1/2	2-1/2	1-1/2	1	2	3/4
DACV-1696-V	16	96	3	3	3	1-1/2	1	2	3/4
DACV-20108-V	20	108	4	4	3	1-1/2	1	2	3/4
DACV-24112-V	24	112	5	5	3	1-1/2	1-1/2	2	3/4
DACV30115-V	30	115	6	6	4	1-1/2	1-1/2	2	3/4
DACV-36118-V	36	118	6	6	4	1-1/2	1-1/2	2	3/4
DACV-42145-V	42	145	8	8	4	1-1/2	1-1/2	2	3/4
DACV-48148-V	48	148	8	8	4	1-1/2	1-1/2	2	3/4
DACV-54151-V	54	151	10	10	4	1-1/2	1-1/2	2	3/4
DACV-60154-V	60	154	10	10	4	1-1/2	1-1/2	2	3/4
DACV-72160-V	72	160	12	12	5	1-1/2	1-1/2	2	3/4
DACV-84166-V	84	166	12	12	5	1-1/2	1-1/2	2	3/4
DACV-96172-V	96	172	14	14	6	1-1/2	1-1/2	2	3/4
DACV-108178-V	108	178	16	16	6	1-1/2	1-1/2	2	3/4
DACV-120184-V	120	184	16	16	6	1-1/2	1-1/2	2	3/4
DACV-144196-V	144	196	20	20	6	1-1/2	1-1/2	2	3/4

1. ALL DIMENSIONS ARE IN INCHES

VERTICAL ACCUMULATOR WITH COIL



VERTICAL ACCUMULATOR WITH COIL CAPACITIES T.R. R-717

MODEL NO.	SINGLE STAGE (1)						2-STAGE ()			
	OPERATING TEMPERATURE						OPERATING TEMPERATURE			
	30°F	20°F	10°F	0°F	-10°F	-20°F	-20°F	-30°F	-40°F	-50°F
DACV-1296-V	34	30	27	24	22	19	23	58	17	15
DACV-1696-V	62	56	50	45	40	35	41	36	32	27
DACV-20108-V	98	89	80	72	64	56	66	58	50	44
DACV-24112-V	144	130	117	104	93	82	96	84	74	64
DACV30115-V	227	205	185	165	147	130	152	134	117	101
DACV-36118-V	330	298	268	240	213	188	221	194	169	146
DACV-42145-V	452	408	367	329	292	258	303	266	232	200
DACV-48148-V	593	536	482	431	383	338	397	349	304	263
DACV-54151-V	746	674	606	542	482	426	500	788	383	331
DACV-60154-V	917	829	745	666	592	523	614	532	470	406
DACV-72160-V	1330	1202	1081	967	859	759	891	1395	682	589
DACV-84166-V	1808	1634	1470	1314	1168	1031	1211	1063	927	802
DACV-96172-V	2373	2144	1928	1724	1533	1353	1589	1395	1216	1052
DACV-108178-V	2999	2710	2437	2180	1938	1711	2008	1764	1537	1329
DACV-120184-V	3699	3342	3006	2689	2390	2110	2477	2175	1896	1640
DACV-144196-V	5338	4823	4338	3880	3449	3149	3575	3139	2736	2366

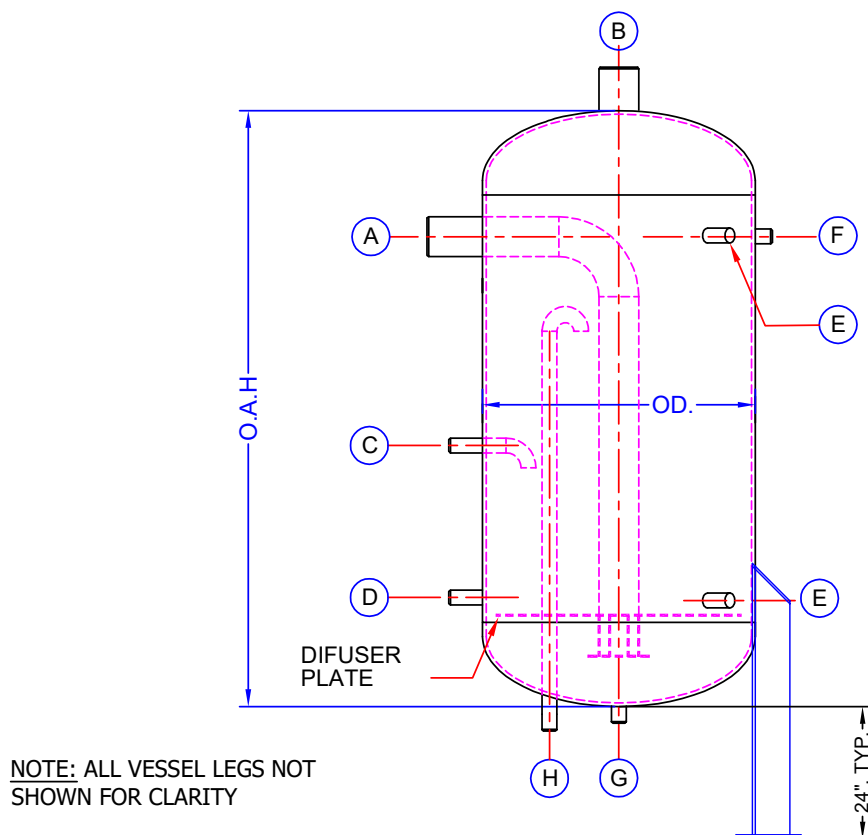
1. CAPACITIES BASED ON 95°F LIQUID MAKE UP. TWO-STAGE CAPACITIES BASED ON 25°F LIQUID MAKE UP
2. SEE SHEET 2 FOR SCHEDULE CONNECTIONS

VERTICAL ACCUMULATOR WITH COIL CO₂ SECTION

MODEL NO.	DIA	OVERALL LENGTH	A	B	C	D	E	E	F
			SUCTION INLET	SUCTION OUTLET	LIQUID OUTLET	LEVEL COLUMN	RELIEF	DRAIN	EQUAL
DACV-1296-V	12	96	2-1/2	2-1/2	2-1/2	1-1/2	1	2	3/4
DACV-1696-V	16	96	3	3	3	1-1/2	1	2	3/4
DACV-2108-V	20	108	4	4	3	1-1/2	1	2	3/4
DACV-24112-V	24	112	5	5	3	1-1/2	1-1/2	2	3/4
DACV30115-V	30	115	6	6	4	1-1/2	1-1/2	2	3/4
DACV-36118-V	36	118	6	6	4	1-1/2	1-1/2	2	3/4
DACV-42145-V	42	145	8	8	4	1-1/2	1-1/2	2	3/4
DACV-48148-V	48	148	8	8	4	1-1/2	1-1/2	2	3/4
DACV-54151-V	54	151	10	10	4	1-1/2	1-1/2	2	3/4
DACV-60154-V	60	154	10	10	4	1-1/2	1-1/2	2	3/4
DACV-72160-V	72	160	12	12	5	1-1/2	1-1/2	2	3/4
DACV-84166-V	84	166	12	12	5	1-1/2	1-1/2	2	3/4
DACV-96172-V	96	172	14	14	6	1-1/2	1-1/2	2	3/4
DACV-108178-V	108	178	16	16	6	1-1/2	1-1/2	2	3/4
DACV-120184-V	120	184	16	16	6	1-1/2	1-1/2	2	3/4
DACV-144196-V	144	196	20	20	6	1-1/2	1-1/2	2	3/4

1. ALL DIMENSIONS ARE IN INCHES

VERTICAL INTERCOOLER



VERTICAL INTERCOOLER CAPACITIES T.R. R-717

MODEL NO.	INTERSTAGE SAT'D TEMPERATURE				
	40°F	30°F	20°F	10°F	0°F
DICV-1296-V	34	30	27	24	22
DICV-1696-V	62	56	50	45	40
DICV-20108-V	98	89	80	72	64
DICV-24112-V	144	130	117	104	93
DICV30115-V	227	205	185	165	147
DICV-36118-V	330	298	268	240	213
DICV-42145-V	452	408	367	329	292
DICV-48148-V	593	536	482	431	383
DICV-54151-V	746	674	606	542	482
DICV-60154-V	917	829	745	666	592
DICV-72160-V	1330	1202	1081	967	859
DICV-84166-V	1808	1634	1470	1314	1168
DICV-96172-V	2373	2144	1928	1724	1533
DICV-108178-V	2999	2710	2437	2180	1938
DICV-120184-V	3699	3342	3006	2689	2390
DICV-144196-V	5338	4823	4338	3880	3449

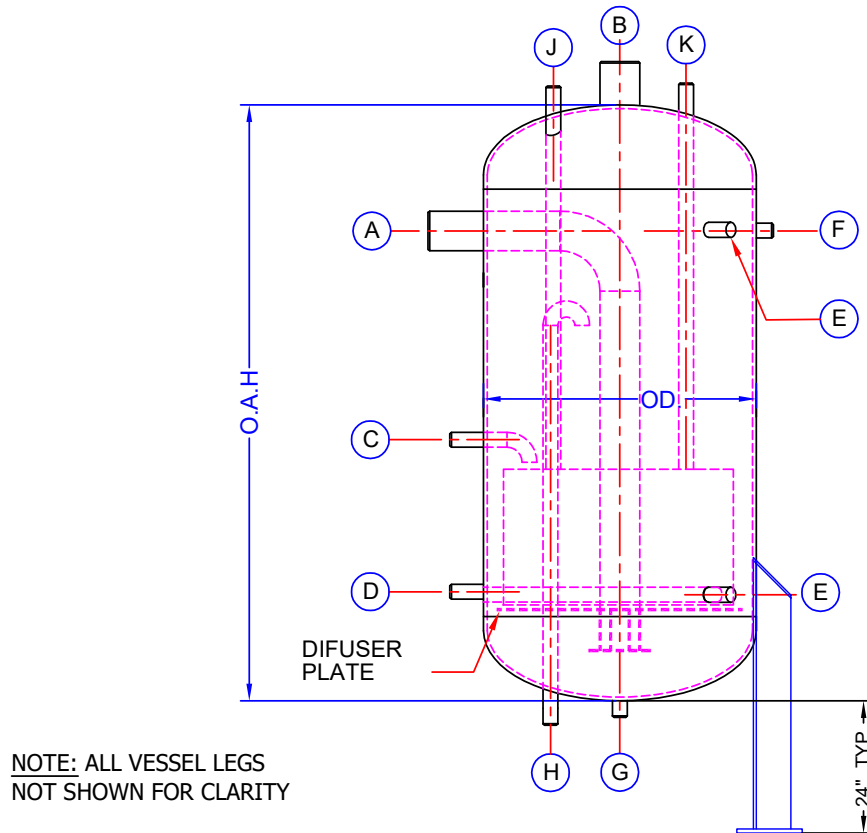
1. CAPACITIES BASED ON 95°F LIQUID MAKE UP.
2. CAPACITIES ARE TR LOADS GOING INTO HIGH STAGE COMPRESSOR
3. SEE SHEET 2 FOR SCHEDULE CONNECTIONS

VERTICAL INTERCOOLER

MODEL NO.	DIA	OVERALL LENGTH	A	B	C	C	D	E	E	F
			BOOSTER INLET	SUCTION OUTLET	LIQUID MKE-UP	LIQUID OUTLET	LEVEL COLUMN	RELIEF	DRAIN	EQUAL
DICV-1296-V	12	96	2-1/2	2-1/2	1	1	1-1/2	1	2	3/4
DICV-1696-V	16	96	3	3	1-1/2	1-1/2	1-1/2	1	2	3/4
DICV-20108-V	20	108	4	4	1-1/2	1-1/2	1-1/2	1	2	3/4
DICV-24112-V	24	112	4	4	1-1/2	1-1/2	1-1/2	1-1/2	2	3/4
DICV30115-V	30	115	5	5	2	2	1-1/2	1-1/2	2	3/4
DICV-36118-V	36	118	6	6	2	2	1-1/2	1-1/2	2	3/4
DICV-42145-V	42	145	6	6	2-1/2	2-1/2	1-1/2	1-1/2	2	3/4
DICV-48148-V	48	148	8	8	2-1/2	2-1/2	1-1/2	1-1/2	2	3/4
DICV-54151-V	54	151	8	8	3	3	1-1/2	1-1/2	2	3/4
DICV-60154-V	60	154	8	8	3	3	1-1/2	1-1/2	2	3/4
DICV-72160-V	72	160	10	10	3	3	1-1/2	1-1/2	2	3/4
DICV-84166-V	84	166	10	10	4	4	1-1/2	1-1/2	2	3/4
DICV-96172-V	96	172	12	12	4	4	1-1/2	1-1/2	2	3/4
DICV-108178-V	108	178	12	12	4	4	1-1/2	1-1/2	2	3/4
DICV-120184-V	120	184	14	14	5	5	1-1/2	1-1/2	2	3/4
DICV-144196-V	144	196	16	16	5	5	1-1/2	1-1/2	2	3/4

1. ALL DIMENSION ARE IN INCHES

VERTICAL INTERCOOLER WITH COIL



VERTICAL INTERCOOLER WITH COIL CAPACITIES T.R. R-717

MODEL NO.	INTERSTAGE SAT'D TEMPERATURE				
	40°F	30°F	20°F	10°F	0°F
DICC-1296-V	34	30	27	24	22
DICC-1696-V	62	56	50	45	40
DICC-20108-V	98	89	80	72	64
DICC-24112-V	144	130	117	104	93
DICC-30115-V	227	205	185	165	147
DICC-36118-V	330	298	268	240	213
DICC-42145-V	452	408	367	329	292
DICC-48148-V	593	536	482	431	383
DICC-54151-V	746	674	606	542	482
DICC-60154-V	917	829	745	666	592
DICC-72160-V	1330	1202	1081	967	859
DICC-84166-V	1808	1634	1470	1314	1168
DICC-96172-V	2373	2144	1928	1724	1533
DICC-108178-V	2999	2710	2437	2180	1938
DICC-120184-V	3699	3342	3006	2689	2390
DICC-144196-V	5338	4823	4338	3880	3449

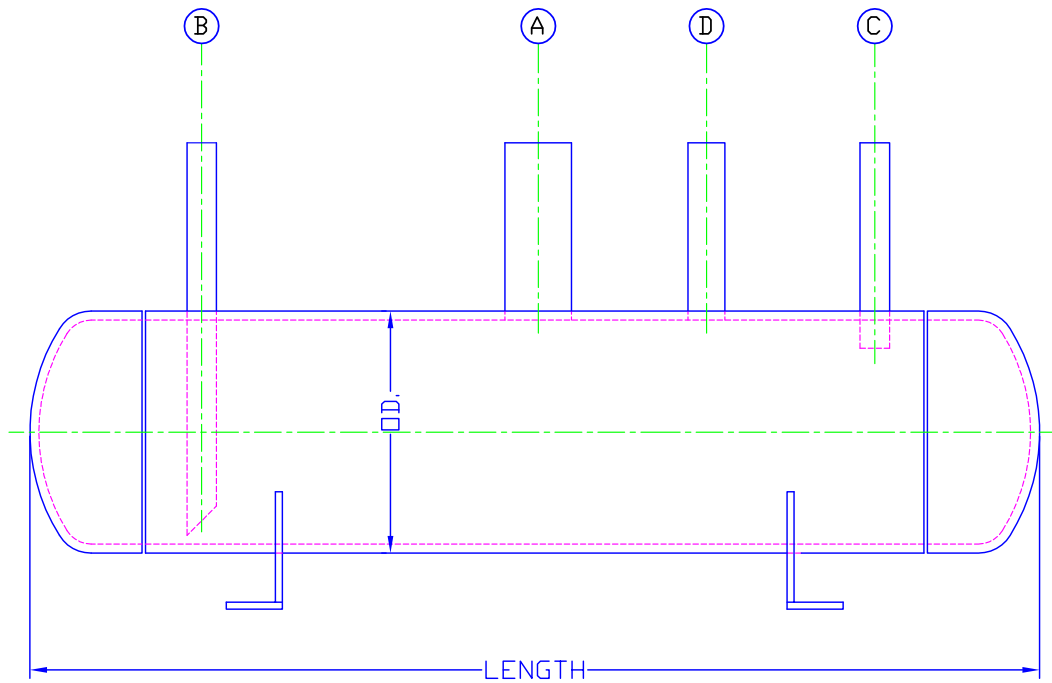
1. CAPACITIES BASED ON 95°F LIQUID MAKE UP.
2. CAPACITIES ARE TR LOADS GOING INTO HIGH STAGE COMPRESSOR
3. SEE SHEET 2 FOR SCHEDULE CONNECTIONS

VERTICAL INTERCOOLER WITH COIL

MODEL NO.	DIA	OVERALL LENGTH	A	B	C	D	E	F	G	H	J	K
			BOOSTER INLET	SUCTION OUTLET	LIQUID MAKE-UP	LIQUID OUTLET	LEVEL COLUMN	RELIEF	DRAIN	EQUAL	COIL INLET	COIL OUTLET
DICC-1296-V	12	96	2-1/2	2-1/2	1	1	1-1/2	1	2	3/4	3/4	3/4
DICC-1696-V	16	96	3	3	1-1/2	1-1/2	1-1/2	1	2	3/4	3/4	3/4
DICC-20108-V	20	108	4	4	1-1/2	1-1/2	1-1/2	1	2	3/4	3/4	3/4
DICC-24112-V	24	112	4	4	1-1/2	1-1/2	1-1/2	1-1/2	2	3/4	1	1
DICC-30115-V	30	115	5	5	2	2	1-1/2	1-1/2	2	3/4	1-1/4	1-1/4
DICC-36118-V	36	118	6	6	2	2	1-1/2	1-1/2	2	3/4	1-1/2	1-1/2
DICC-42145-V	42	145	6	6	2-1/2	2-1/2	1-1/2	1-1/2	2	3/4	1-1/2	1-1/2
DICC-48148-V	48	148	8	8	2-1/2	2-1/2	1-1/2	1-1/2	2	3/4	1-1/2	1-1/2
DICC-54151-V	54	151	8	8	3	3	1-1/2	1-1/2	2	3/4	2	2
DICC-60154-V	60	154	8	8	3	3	1-1/2	1-1/2	2	3/4	2	2
DICC-72160-V	72	160	10	10	3	3	1-1/2	1-1/2	2	3/4	3	3
DICC-84166-V	84	166	10	10	4	4	1-1/2	1-1/2	2	3/4	3	3
DICC-96172-V	96	172	12	12	4	4	1-1/2	1-1/2	2	3/4	4	4
DICC-108178-V	108	178	12	12	4	4	1-1/2	1-1/2	2	3/4	4	4
DICC-120184-V	120	184	14	14	5	5	1-1/2	1-1/2	2	3/4	5	5
DICC-144196-V	144	196	16	16	5	5	1-1/2	1-1/2	2	3/4	6	6

1. ALL DIMENSIONS ARE IN INCHES

OIL POT

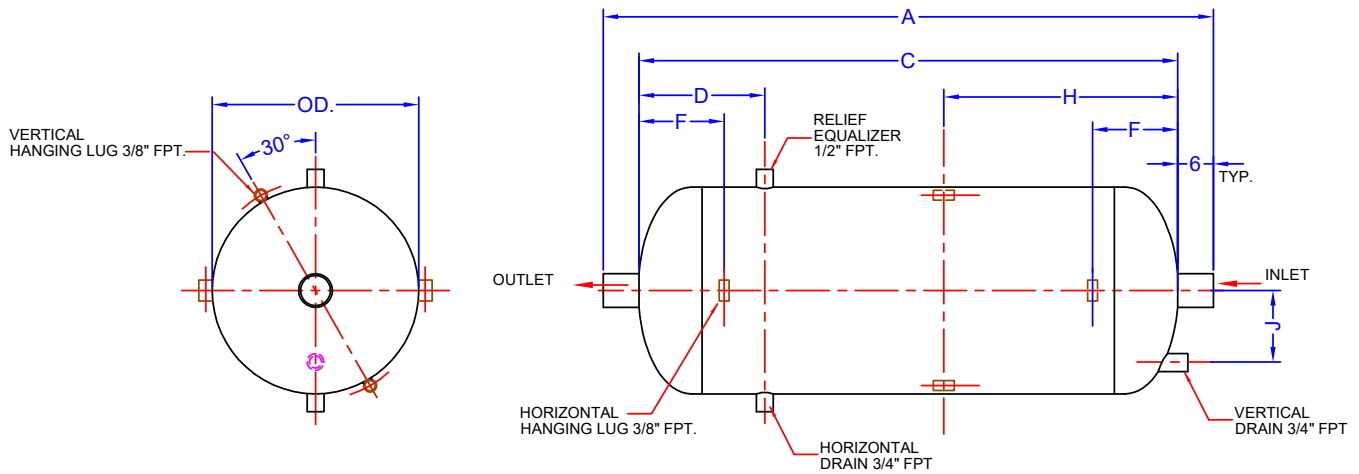


MODEL NO.	DIA	OVERALL LENGTH	A	B	C	D
			LIQUID INLET	LIQUID OUTLET	EQUAL	RELIEF
DROP-0836-H	8	36	2	3/4	3/4	1
DROP-1036-H	10	36	2	3/4	3/4	1
DROP-1236-H	12	36	2	3/4	3/4	1

1. ALL DIMENSIONS ARE IN INCHES

COALESCING OIL SEPARATOR UP TO 250 DCFM

(WITH NON-REPLACEABLE ELEMENTS)



MODEL NUMBER	DIMENSIONS (INCHES)								IN/OUT		WEIGHT (LBS)
	RATING (DCFM)	DIA.	A	C	D	H	F	J	WELD STUB	ODS	
COS-08-33	33	8 5/8	36	24	5	12	4	3	2	2 1/8	80
COS-10-63	63	10 3/4	44	32	7	16	5	3	2 1/2	2 5/8	240
COS-14-85	85	14	53	41	8	20	6	4	2 1/2	2 5/8	300
COS- 16-145	145	16	54	42	9	21	8	5	3	3 1/8	335
COS- 18-210	210	18	64	52	9	24	8	5	4	4 1/8	465
COS- 20-250	250	20	65	53	10	25	9	6	5	-	536

FLOW RATE MULTIPLIER FOR
REFRIGERANTS:

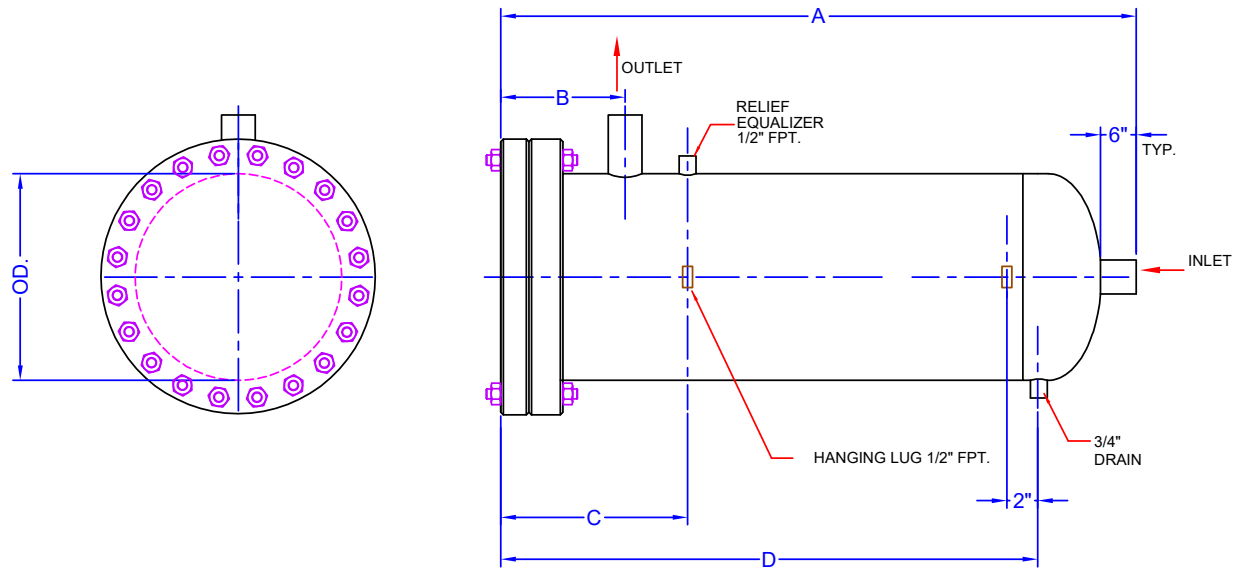
R-717	1
R-22	0.746
R-290	0.85
R-134a	0.765
R-404a	0.703
R-410a	0.694
R-507a	0.682

- CAPACITY RATINGS ARE BASED ON AMMONIA.

- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

COALESCING OIL SEPARATOR UP TO 250 DCFM

(WITH REPLACEABLE ELEMENTS)



MODEL NUMBER	DIMENSIONS (INCHES)						IN/OUT		WEIGHT (LBS)
	RATING (DCFM)	DIA.	A	B	C	D	WELD STUB	ODS	
COS-08-33	33	8 5/8	36 1/2	6	9 1/2	28 1/4	2	2 1/8	140
COS-10-63	63	10 3/4	45 1/4	7	11	35 3/4	2 1/2	2 5/8	310
COS-14-85	85	14	51	8	12	38	2 1/2	2 5/8	460
COS-16-145	145	16	52 1/2	8 1/2	13	41 3/4	3	3 1/8	570
COS-18-210	210	18	65 1/2	10	15 1/2	54 1/4	4	4 1/8	775
COS-20-250	250	20	67 1/4	11	17 1/2	55 1/4	5	-	895

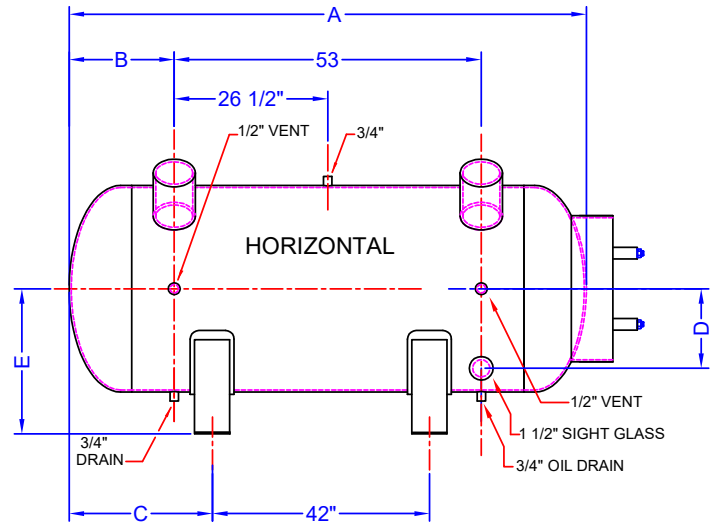
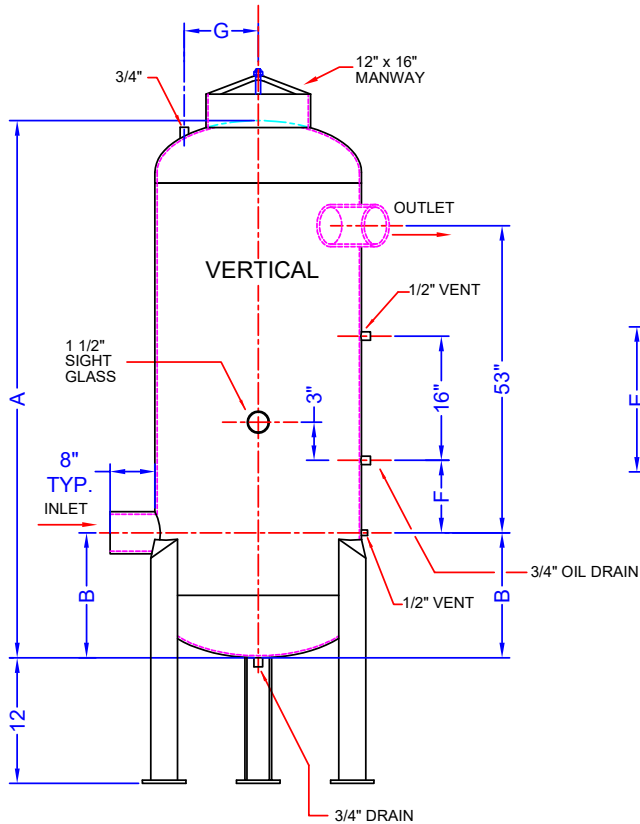
FLOW RATE MULTIPLIER FOR
REFRIGERANTS:

R-717	1
R-22	0.746
R-290	0.85
R-134a	0.765
R-404a	0.703
R-410a	0.694
R-507a	0.682

- CAPACITY RATINGS ARE BASED ON AMMONIA.

- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

COALESCING OIL SEPARATOR OVER 250 DCFM



FLOW RATE MULTIPLIER FOR REFRIGERANTS:

R-717	1
R-22	0.746
R-290	0.85
R-134a	0.765
R-404a	0.703
R-410a	0.694
R-507a	0.682

MODEL NUMBER	DIMENSIONS (INCHES)										WEIGHT (LBS)
	RATING (DCFM)	DIA.	A	B	C	D	E	F	G	IN/OUT	
COS-24- 430	430	24	82	14 1/2	20	9	16	7	9	6	900
COS-30- 650	650	30	85	16	21 1/2	12	19	7	10	6	1350
COS-36-1050	1050	36	90	18 1/2	24	15	22	8	10	8	1850
COS-42-1440	1440	42	95	21	26 1/2	18	25	9	11	10	2300
COS-48-1920	1920	48	98	22 1/2	28	21	28	9	12	10	2900
COS-54-2380	2380	54	104	25 1/2	31	24	31	10	13	12	4100

- CAPACITY RATINGS ARE BASED ON AMMONIA.
- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.