



Industrial Refrigeration Systems

TABLE OF CONTENTS

Who We Are.....	3
Refrigeration Vessel Standards.....	4
Vertical High Pressure Receiver.....	5
Horizontal High Pressure Receiver.....	6
Vertical Surge Drum.....	7
Horizontal Surge Drum Single Flow.....	8
Horizontal Surge Drum Split Flow.....	9
Vertical Suction Accumulator.....	10
Horizontal Suction Accumulator.....	11
Vertical Thermosiphon Receiver.....	12
Horizontal Thermosiphon Receiver.....	13
Vertical Controlled Pressure Receiver.....	14
Economizer.....	15
Vertical Intercooler.....	16
HP Vertical Thermosiphon Receiver.....	17
HP Horizontal Thermosiphon Receiver.....	18
Vertical Recirculator Vessel.....	19
Horizontal Recirculator Vessel.....	20
Oil Pot.....	21
Level Column.....	22
Chiller Package.....	23
Recirculator Package.....	24

WHO WE ARE

Joe White Tank Co. designs and manufactures industrial refrigeration systems and vessels. Founded in 1942, our catalog of products has grown to include recirculator systems, chiller skids, receivers, accumulators, and other standard components in the industrial refrigeration industry.

JWT engineers, manufactures and tests vessels in accordance with ASME Code, Section VIII. Our years of experience in the industrial refrigeration sector combined with our investment in our people, equipment, and technology means our customers get a quality product, on-time for a valuable price. With our 70,000 sqft of manufacturing floor space, 2 plate turning rolls, 5-axis CNC pipe/shell plasma, and MIG/TIG/Robotic welding capabilities, we are prepared to make your next project a success.

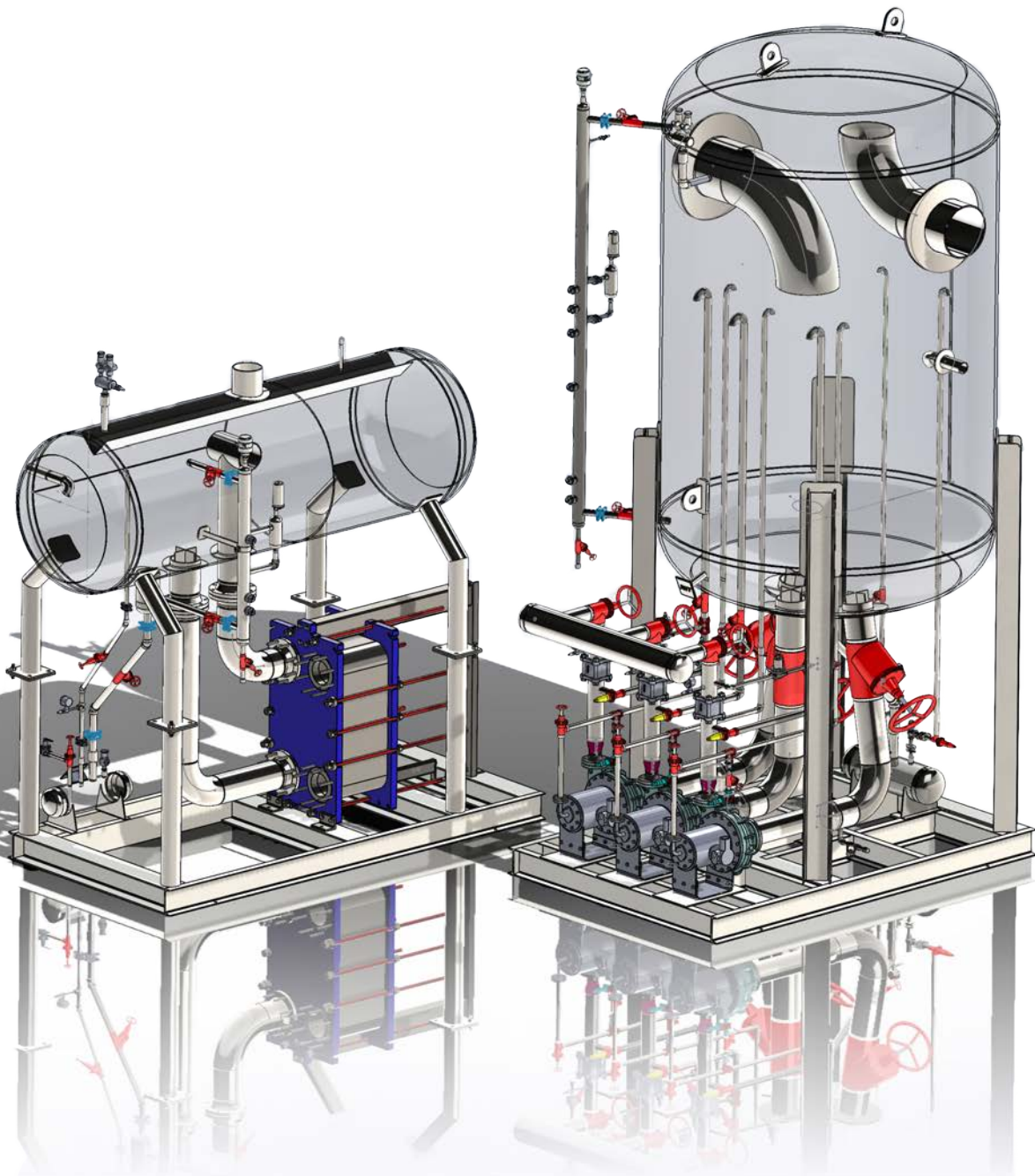
With our knowledgeable project managers running your next build, you will experience the unparalleled customer service that JWT has built their reputation on!



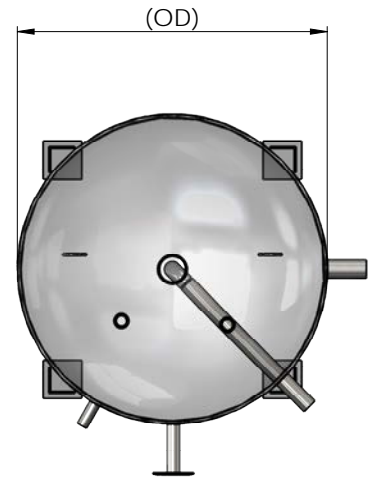
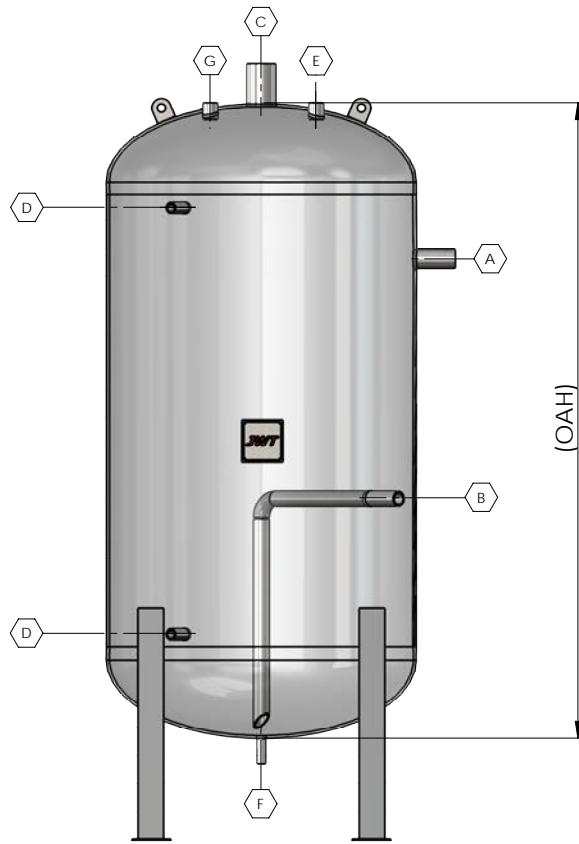
REFRIGERATION VESSEL STANDARDS

Standard features

- All pressure vessels are designed, fabricated, tested, inspected and stamped in accordance with ASME Standards.
- ASME Section VIII, Division 1 Pressure Vessel Code and are National Board certified, Latest Edition.
- Heads: 24" diameter and smaller are SA-234 WPB weld caps. Larger than 24" diameter are 2:1 Semi-Elliptical Heads out of SA 516-70 Carbon Steel.
- Shells: 24" diameter and smaller are SA-106 B or SA-53 B carbon steel pipe. 30" diameter and larger are rolled SA-516 70 carbon steel plates.
- Lifting lugs are standard on all vessels 24" diameter and larger.



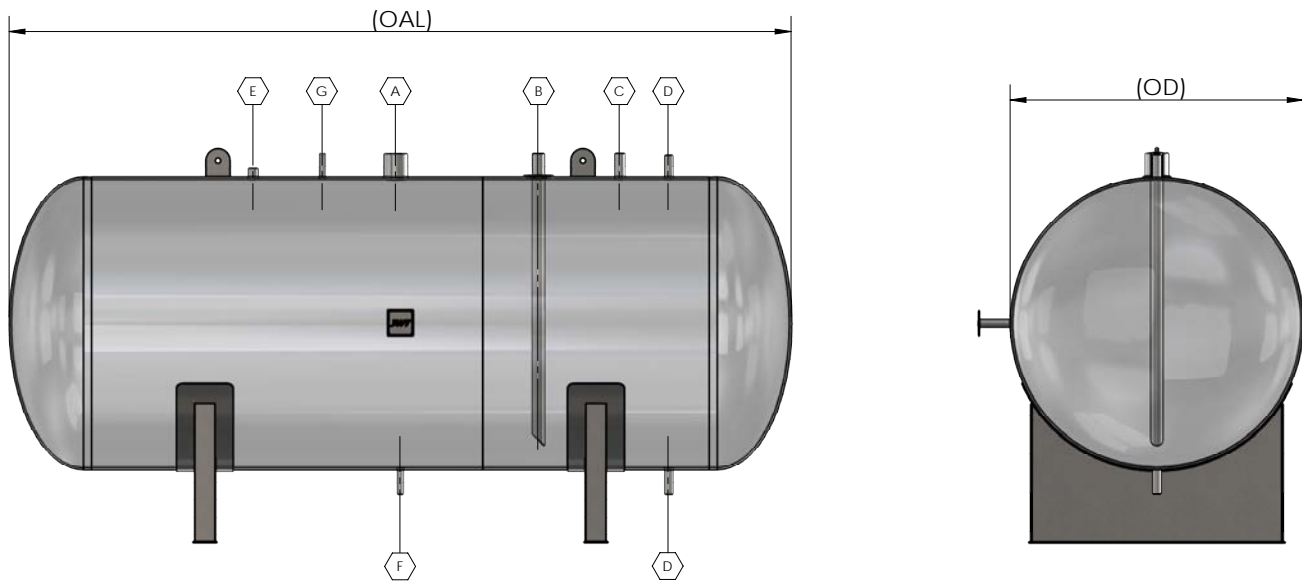
VERTICAL HIGH PRESSURE RECEIVER



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAH)	TOTAL VOLUME (CU FT)	CAPACITY @ 80% Full Lb R-717	A	B	C	D	E	F	G	LEVEL AT 80% (IN)
					LIQUID INLET	LIQUID OUTLET	EQUAL	LEVEL COLUMN	RELIEF (CPLG)	DRAIN	PURGE (CPLG)	
HPR-V-20111	20	111	19.1	560	1-1/2	1	3/4	1-1/2	3/4	1	3/4	87.7
HPR-V-20135	20	135	23.47	689	1-1/2	1	3/4	1-1/2	3/4	1	3/4	106.9
HPR-V-24137	24	137	34.14	1002	2	1	1	1-1/2	3/4	1	3/4	108.5
HPR-V-24209	24	209	52.99	1555	2	1	1	1-1/2	3/4	1	3/4	166.1
HPR-V-30140	30	140	54.17	1589	2-1/2	1-1/4	1-1/4	1-1/2	3/4	1	3/4	110.9
HPR-V-30212	30	212	83.62	2453	2-1/2	1-1/4	1-1/4	1-1/2	1	1	3/4	168.5
HPR-V-36143	36	143	79.18	2323	3	1-1/2	1-1/2	1-1/2	1	1	3/4	113.3
HPR-V-36215	36	215	121.59	3567	3	1-1/2	1-1/2	1-1/2	1	1	3/4	170.9
HPR-V-42146	42	146	109.37	3208	3	1-1/2	2	1-1/2	1	1	3/4	115.7
HPR-V-42218	42	218	167.1	4902	3	1-1/2	2	1-1/2	1	1	3/4	173.3
HPR-V-48149	48	149	144.86	4250	4	2	2	1-1/2	1	1	3/4	118
HPR-V-48221	48	221	220.26	6462	4	2-1/2	2-1/2	1-1/2	1	1	3/4	175.6
HPR-V-54152	54	152	185.99	5456	5	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4	120.4
HPR-V-54224	54	224	281.42	8256	6	3	3	1-1/2	1-1/2	1	3/4	178
HPR-V-60155	60	155	232.76	6828	6	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4	122.7
HPR-V-60227	60	227	350.57	10284	6	3	3	1-1/2	1-1/2	1	3/4	180.3
HPR-V-72161	72	161	344.59	10109	6	3	3	1-1/2	1-1/2	1	3/4	127.5
HPR-V-72233	72	233	514.24	15086	8	4	4	1-1/2	1-1/2	1	3/4	185.1
HPR-V-84167	84	167	481.59	14128	8	4	4	1-1/2	1-1/2	1	3/4	132.2
HPR-V-84239	84	239	712.5	20902	8	5	5	1-1/2	1-1/2	1	3/4	189.8
HPR-V-96173	96	173	645.77	18944	10	5	5	1-1/2	1-1/2	1	3/4	137
HPR-V-96245	96	245	947.36	27792	10	5	5	1-1/2	1-1/2	1	3/4	194.6

1. ALL DIMENSIONS ARE IN INCHES.
2. CAPACITY IS BASED ON VESSEL 80% FULL AND AMMONIA AT 95°F.
3. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
4. CHART REPRESENTS SHELL LENGTHS OF 96, 120, 240 INCHES FOR STANDARD CONDITIONS.
5. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

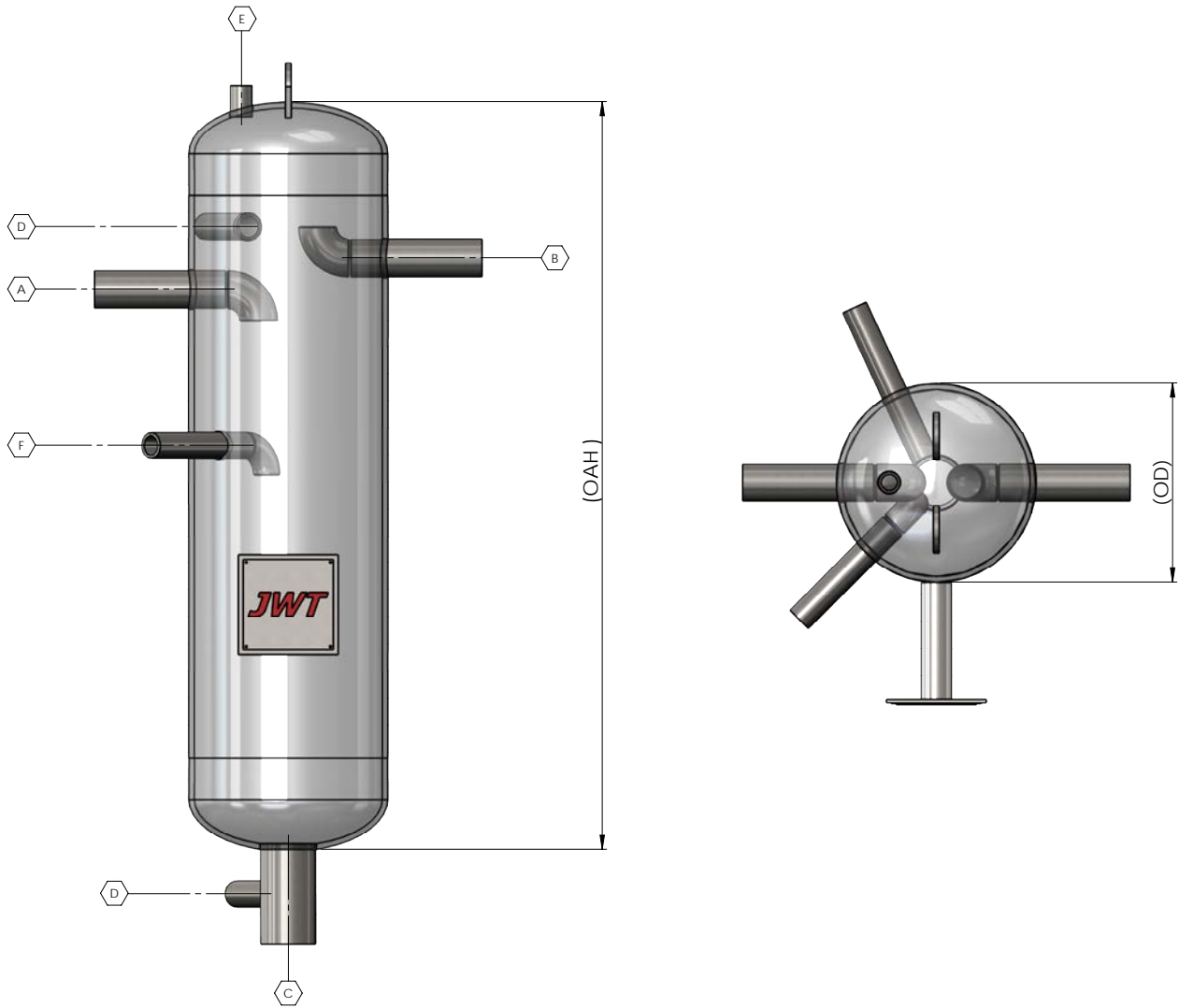
HORIZONTAL HIGH PRESSURE RECEIVER



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAL)	TOTAL VOLUME (CU FT)	CAPACITY @ 80% Full Lb R-717	A	B	C	D	E	F	G	LEVEL AT 80% (IN)
					LIQUID INLET	LIQUID OUTLET	EQUAL	LEVEL COLUMN	RELIEF (CPLG)	DRAIN	PURGE	
HPR-H-20111	20	111	19	560	1-1/2	1	3/4	1-1/2	3/4	1	3/4	16
HPR-H-20135	20	135	23	689	1-1/2	1	3/4	1-1/2	3/4	1	3/4	16
HPR-H-24113	24	113	28	817	2	1	1	1-1/2	3/4	1	3/4	19.2
HPR-H-24137	24	137	34	1002	2	1	1	1-1/2	3/4	1	3/4	19.2
HPR-H-30116	30	116	44	1301	2-1/2	1-1/4	1-1/4	1-1/2	3/4	1	3/4	24
HPR-H-30140	30	140	54	1589	2-1/2	1-1/4	1-1/4	1-1/2	1	1	3/4	24
HPR-H-36119	36	119	65	1908	3	1-1/2	1-1/2	1-1/2	1	1	3/4	28.8
HPR-H-36143	36	143	79	2323	3	1-1/2	1-1/2	1-1/2	1	1	3/4	28.8
HPR-H-42122	42	122	90	2644	3	1-1/2	2	1-1/2	1	1	3/4	33.6
HPR-H-42146	42	146	109	3208	3	1-1/2	2	1-1/2	1	1	3/4	33.6
HPR-H-48125	48	125	120	3512	3	2	2	1-1/2	1	1	3/4	38.4
HPR-H-48149	48	149	145	4250	3	2-1/2	2-1/2	1-1/2	1	1	3/4	38.4
HPR-H-54152	54	152	186	5456	4	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4	43.2
HPR-H-54272	54	272	345	10122	5	3	3	1-1/2	1-1/2	1	3/4	43.2
HPR-H-60155	60	155	233	6828	5	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4	48
HPR-H-60275	60	275	429	12588	6	3	3	1-1/2	1-1/2	1	3/4	48
HPR-H-72161	72	161	345	10109	6	3	3	1-1/2	1-1/2	1	3/4	57.6
HPR-H-72281	72	281	627	18404	8	4	4	1-1/2	1-1/2	1	3/4	57.6
HPR-H-84167	84	167	482	14128	8	4	4	1-1/2	1-1/2	1	3/4	67.2
HPR-H-84287	84	287	866	25418	10	5	5	1-1/2	1-1/2	1	3/4	67.2
HPR-H-96173	96	173	646	18944	10	5	4	1-1/2	1-1/2	1	3/4	76.8
HPR-H-96293	96	293	1148	33690	10	5	5	1-1/2	1-1/2	1	3/4	76.8

1. ALL DIMENSIONS ARE IN INCHES.
2. CAPACITY IS BASED ON VESSEL 80% FULL AND AMMONIA AT 95°F.
3. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
4. RELIEF (E) AND PURGE (G) CONNECTIONS ARE ASME B16.11 CLASS 3000 FULL COUPLINGS.
5. CHART REPRESENTS SHELL LENGTHS OF 96, 120, 240 INCHES FOR STANDARD CONDITIONS.
6. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

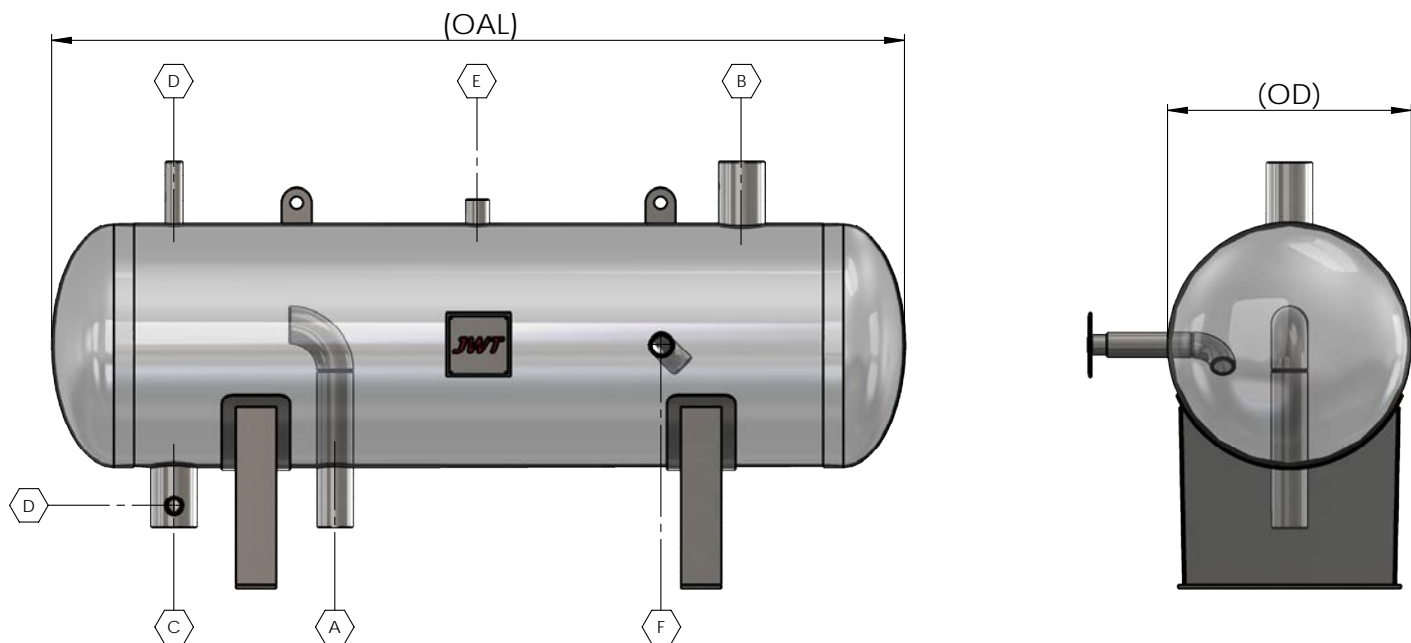
VERTICAL SURGE DRUM



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAH)	A	B	C	D	E	F
			WET RETURN	DRY SUCTION	DROP LEG	LEVEL COLUMN	RELIEF (CPLG)	LIQUID MAKE-UP
SDS-V-1248	12	48	4	3	4	1-1/2	3/4	3/4
SDS-V-1654	16	54	5	4	5	1-1/2	3/4	1
SDS-V-2060	20	60	6	5	6	1-1/2	3/4	1
SDS-V-2460	24	60	6	5	6	1-1/2	3/4	1-1/2
SDS-V-3080	30	80	8	6	8	1-1/2	1	1-1/2
SDS-V-3683	36	83	10	8	10	1-1/2	1	2
SDS-V-4298	42	98	10	8	10	1-1/2	1	2
SDS-V-48125	48	125	10	8	10	1-1/2	1	2-1/2

1. ALL DIMENSIONS ARE IN INCHES.
2. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
3. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

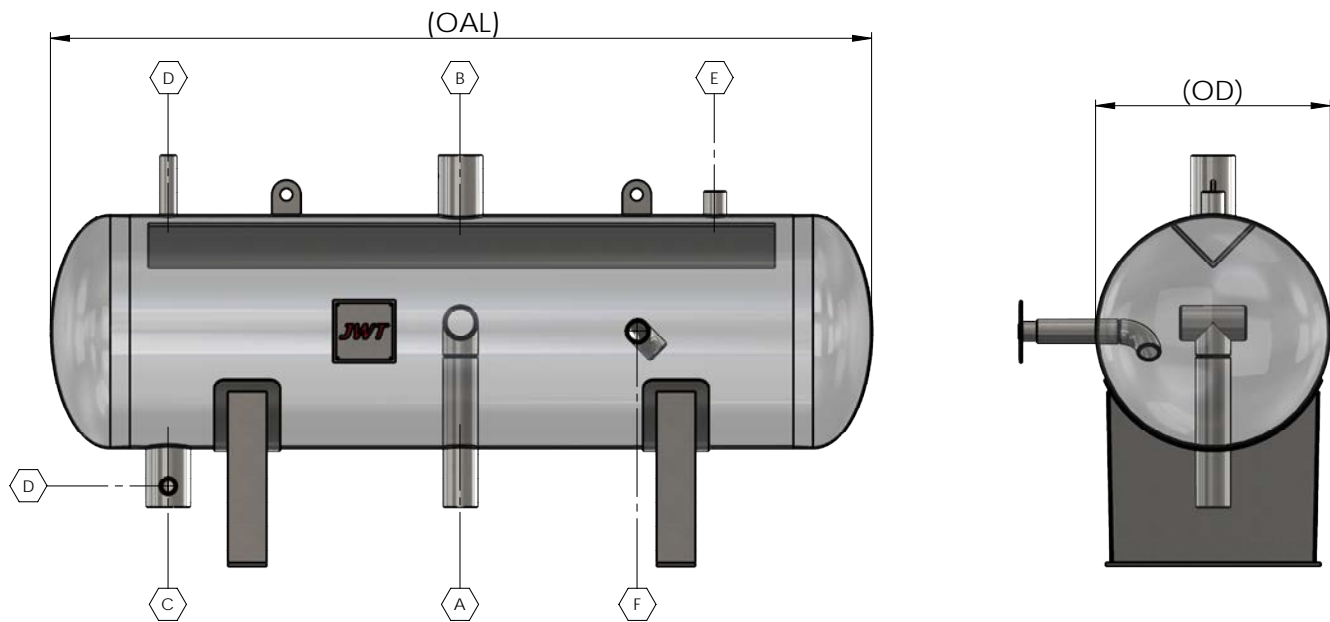
HORIZONTAL SURGE DRUM SINGLE FLOW



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAL)	A	B	C	D	E	F
			WET RETURN	DRY SUCTION	DROP LEG	LEVEL COLUMN	RELIEF (CPLG)	LIQUID MAKE-UP
SDS-H-1248	12	48	2-1/2	1-1/2	2	1-1/2	3/4	3/4
SDS-H-1660	16	60	3	2	3	1-1/2	3/4	1
SDS-H-2072	20	72	4	3	3	1-1/2	3/4	1
SDS-H-2472	24	72	4	3	4	1-1/2	3/4	1-1/2
SDS-H-3092	30	92	5	4	4	1-1/2	1	1-1/2
SDS-H-3695	36	95	6	5	5	1-1/2	1	2
SDS-H-42122	42	122	6	5	5	1-1/2	1	2
SDS-H-48149	48	149	8	6	6	1-1/2	1	2-1/2
SDS-H-54152	54	152	8	6	6	1-1/2	1-1/2	2-1/2
SDS-H-60155	60	155	10	8	8	1-1/2	1-1/2	3
SDS-H-72161	72	161	10	8	8	1-1/2	1-1/2	3
SDS-H-84168	84	168	12	10	10	1-1/2	1-1/2	3
SDS-H-96174	96	174	12	10	10	1-1/2	1-1/2	3

1. ALL DIMENSIONS ARE IN INCHES.
2. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
3. RELIEF (E) CONNECTIONS IS ASME B16.11 CLASS 3000 FULL COUPLING.
4. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

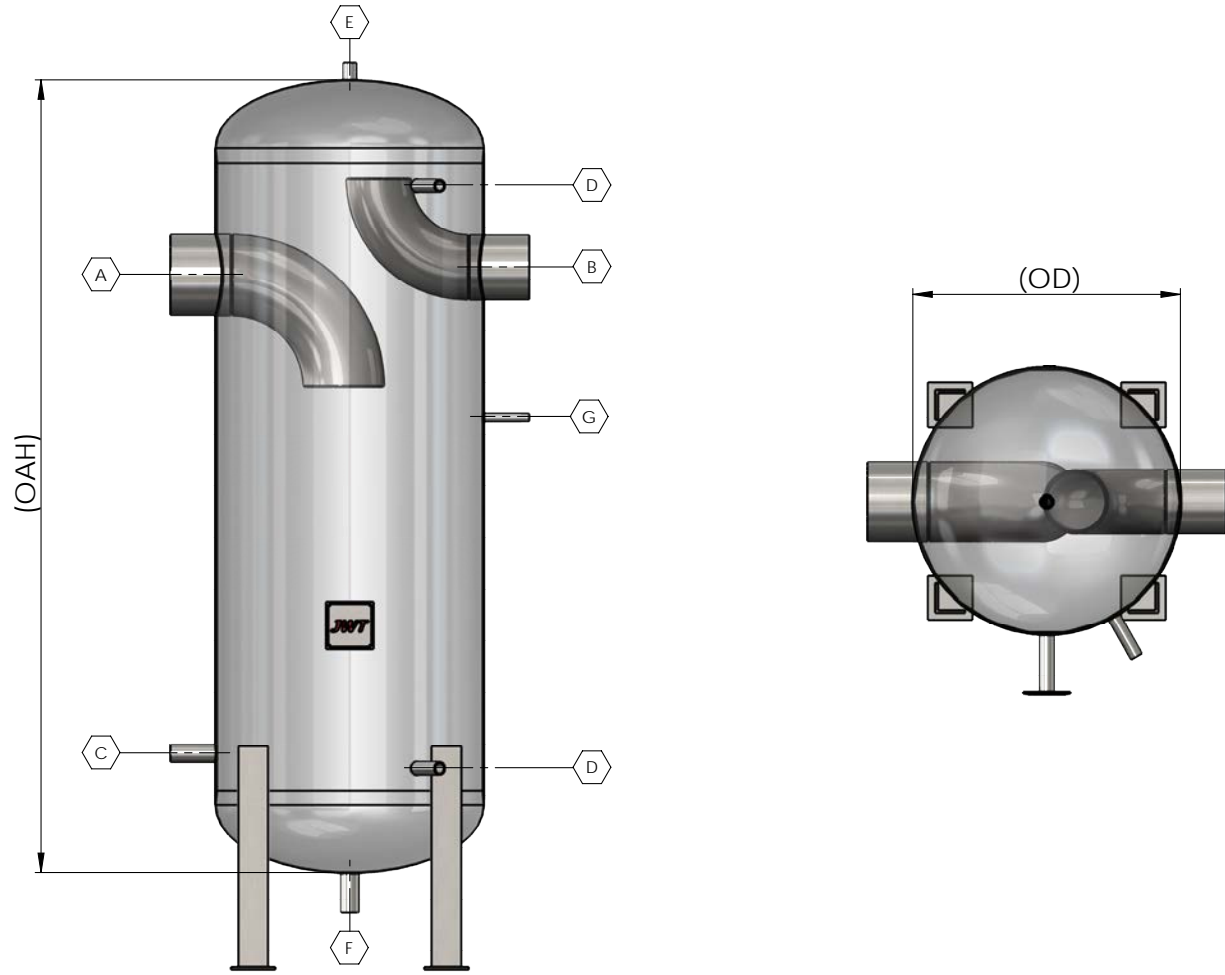
HORIZONTAL SURGE DRUM SPLIT FLOW



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAL)	A	B	C	D	E	F
			WET RETURN	DRY SUCTION	DROP LEG	LEVEL COLUMN	RELIEF	LIQUID MAKE-UP
SDD-H-1248	12	48	2-1/2	1-1/2	2	1-1/2	3/4	3/4
SDD-H-1660	16	60	3	2	3	1-1/2	3/4	1
SDD-H-2072	20	72	4	3	3	1-1/2	3/4	1
SDD-H-2472	24	72	4	3	4	1-1/2	3/4	1-1/2
SDD-H-3092	30	92	5	4	4	1-1/2	1	1-1/2
SDD-H-3695	36	95	6	5	5	1-1/2	1	2
SDD-H-42122	42	122	6	5	5	1-1/2	1	2
SDD-H-48149	48	149	8	6	6	1-1/2	1	2-1/2
SDD-H-54152	54	152	8	6	6	1-1/2	1-1/2	2-1/2
SDD-H-60155	60	155	10	8	8	1-1/2	1-1/2	3
SDD-H-72161	72	161	10	8	8	1-1/2	1-1/2	3
SDD-H-84168	84	168	12	10	10	1-1/2	1-1/2	3
SDD-H-96174	96	174	12	10	10	1-1/2	1-1/2	3

1. ALL DIMENSIONS ARE IN INCHES.
2. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
3. RELIEF (E) CONNECTIONS IS ASME B16.11 CLASS 3000 FULL COUPLING.
4. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

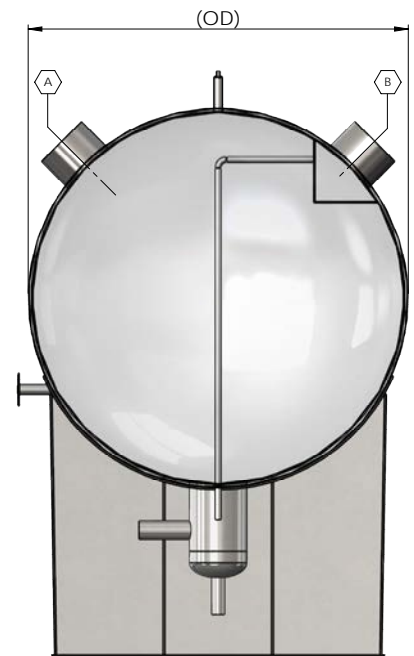
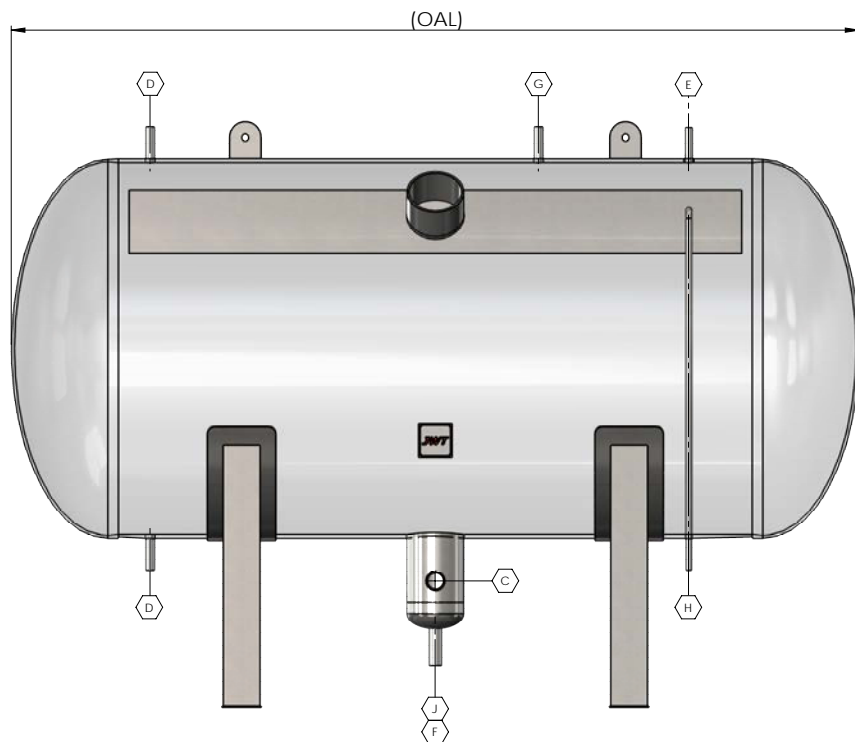
VERTICAL SUCTION ACCUMULATOR



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAH)	A	B	C	D	E	F	G	OPTIONAL
			WET RETURN	DRY SUCTION	LIQUID OUTLET	LEVEL COLUMN	RELIEF (CPLG)	DRAIN	EQUAL	COIL IN/OUT
ACC-V-1685	16	85	3	3	3	1-1/2	1	2	3/4	3/4
ACC-V-2095	20	95	4	4	3	1-1/2	1	2	3/4	1
ACC-V-24113	24	113	5	5	3	1-1/2	1	2	3/4	1-1/4
ACC-V-30116	30	116	6	6	4	1-1/2	1	2	3/4	1-1/4
ACC-V-36119	36	119	6	6	4	1-1/2	1	2	3/4	1-1/2
ACC-V-42122	42	122	8	8	4	1-1/2	1	2	3/4	2-1/2
ACC-V-48149	48	149	8	8	4	1-1/2	1	2	3/4	3
ACC-V-54152	54	152	10	8	4	1-1/2	1-1/2	2	3/4	3
ACC-V-60155	60	155	10	8	4	1-1/2	1-1/2	2	3/4	3
ACC-V-72161	72	161	12	10	5	1-1/2	1-1/2	2	3/4	4
ACC-V-84167	84	167	12	10	5	1-1/2	1-1/2	2	3/4	4
ACC-V-96173	96	173	14	12	6	1-1/2	1-1/2	2	3/4	4
ACC-V-108180	108	180	16	12	6	1-1/2	1-1/2	2	3/4	5
ACC-V-120186	120	186	16	14	6	1-1/2	1-1/2	2	3/4	5
ACC-V-144198	144	198	20	16	6	1-1/2	1-1/2	2	3/4	6

1. ALL DIMENSIONS ARE IN INCHES.
2. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
3. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

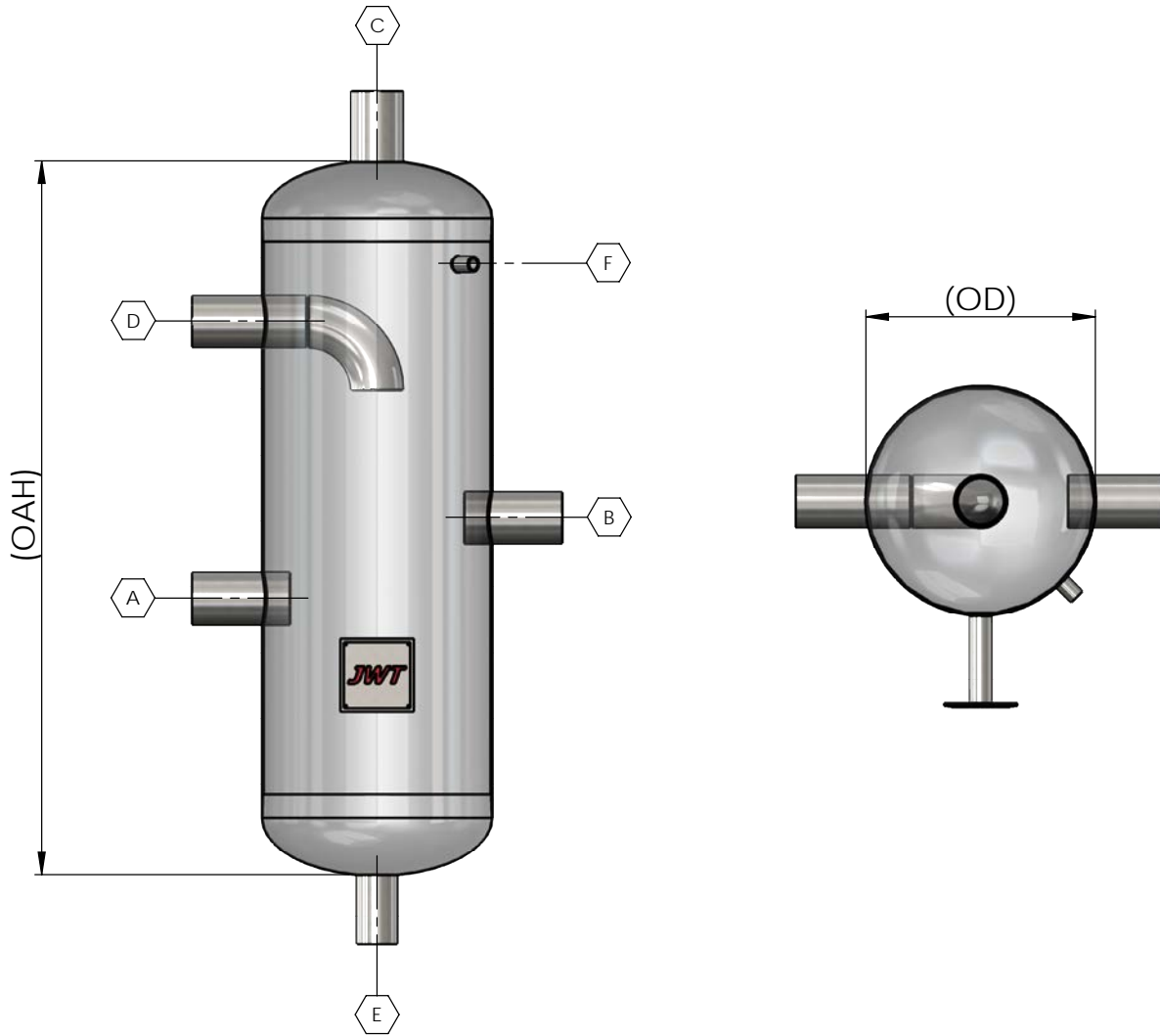
HORIZONTAL SUCTION ACCUMULATOR



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAL)	A	B	C	D	E	F	G	H	J
			WET RETURN	DRY SUCTION	LIQUID OUTLET	LEVEL COLUMN	RELIEF	DRAIN	VENT	OIL POT VENT	SUMP
ACC-H-24136	24	136	4	4	3	1-1/2	1-1/2	2	1-1/4	3/4	3
ACC-H-30139	30	139	5	5	3	1-1/2	1-1/2	2	1-1/4	3/4	3
ACC-H-36142	36	142	6	5	4	1-1/2	1-1/2	2	1-1/4	3/4	4
ACC-H-42145	42	145	8	6	4	1-1/2	1-1/2	2	1-1/4	3/4	4
ACC-H-48149	48	149	8	8	4	1-1/2	1-1/2	2	1-1/4	3/4	5
ACC-H-54151	54	151	8	8	4	1-1/2	1-1/2	2	1-1/4	3/4	6
ACC-H-60155	60	155	10	8	4 (2)	1-1/2	1-1/2	2	1-1/4	3/4	6
ACC-H-72161	72	161	10	10	4 (2)	1-1/2	1-1/2	2	1-1/4	3/4	6
ACC-H-84167	84	167	12	10	4 (2)	1-1/2	1-1/2	2	1-1/4	3/4	6
ACC-H-96173	96	173	14	12	4 (2)	1-1/2	1-1/2	2	1-1/4	3/4	8
ACC-H-108179	108	179	16	12	4 (2)	1-1/2	1-1/2	2	1-1/4	3/4	8
ACC-H-120185	120	185	16	14	4 (2)	1-1/2	1-1/2	2	1-1/4	3/4	10
ACC-H-144198	144	198	20	16	4 (2)	1-1/2	1-1/2	2	1-1/4	3/4	12

1. ALL DIMENSIONS ARE IN INCHES.
2. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
3. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

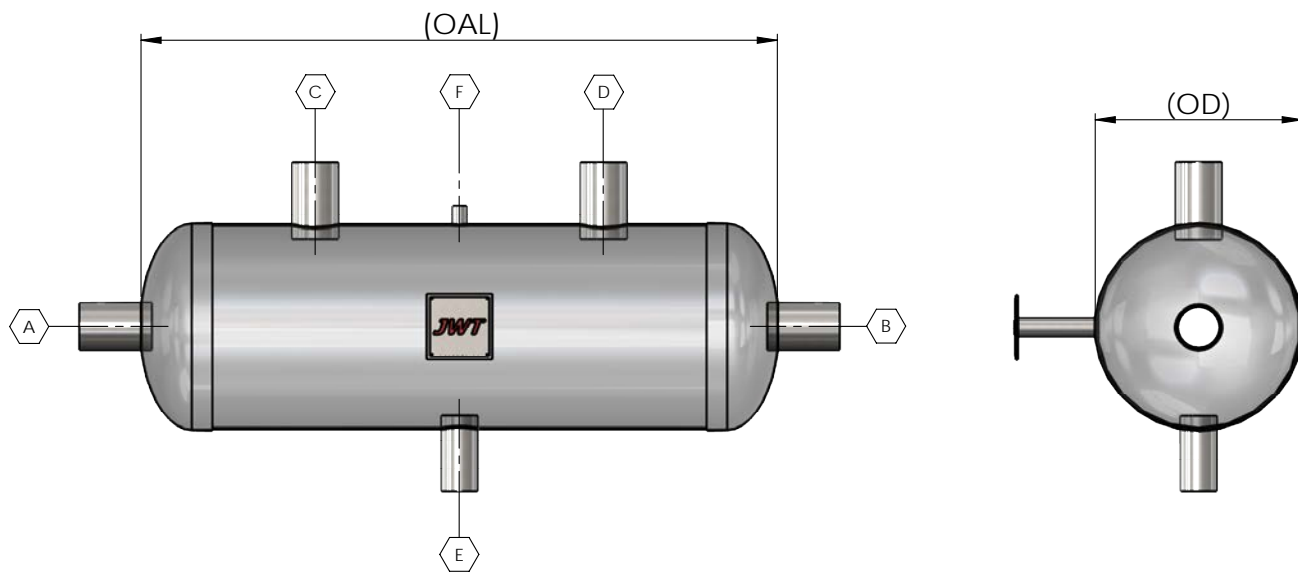
VERTICAL THERMOSIPHON RECEIVER



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAH)	TOTAL VOLUME (CU FT)	HEAT OF REJECTION (KBTU)	A	B	C	D	E	F
					LIQUID INLET	LIQUID OUTLET	EQUAL	THERMO RETURN	THERMO SUPPLY	RELIEF (CPLG)
TSR-V-0848	8	48	1.5	203	2	2	1-1/4	2	1-1/4	3/4
TSR-V-1048	10	48	2.4	302	2-1/2	2-1/2	1-1/2	2	1-1/2	3/4
TSR-V-1248	12	48	2.9	422	2-1/2	2-1/2	2	2-1/2	2	3/4
TSR-V-1272	12	72	4.4	709	3	3	2-1/2	3	2-1/2	3/4
TSR-V-1672	16	72	7.8	1111	4	4	3	4	3	3/4
TSR-V-2072	20	72	12.1	1653	5	5	4	4	4	3/4
TSR-V-2472	24	72	17.6	2148	5	5	4	5	4	3/4
TSR-V-3084	30	84	32.2	4096	6	6	5	6	5	3/4

1. ALL DIMENSIONS ARE IN INCHES.
2. HEAT OF REJECTION AT +96°F.
3. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
4. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

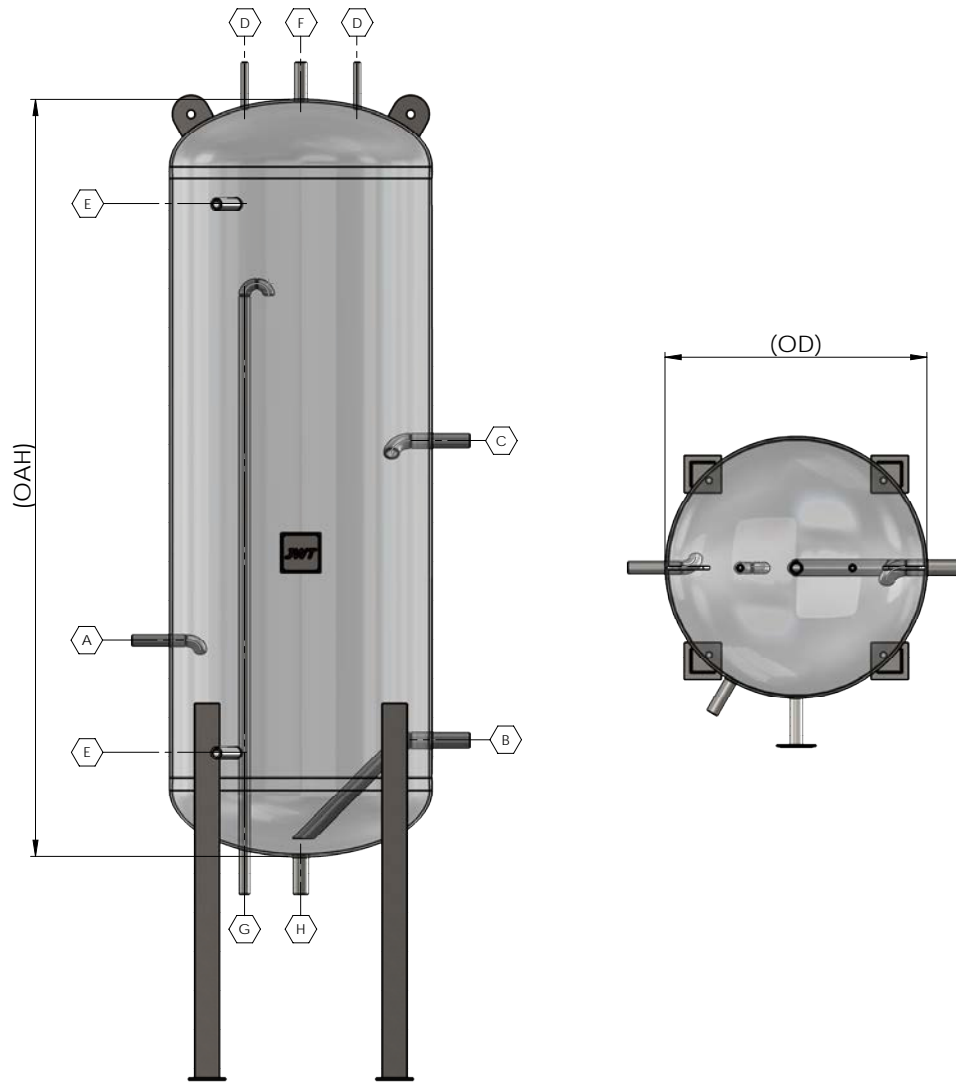
HORIZONTAL THERMOSIPHON RECEIVER



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAL)	TOTAL VOLUME (CU FT)	HEAT OF REJECTION (KBTU)	A	B	C	D	E	F
					LIQUID INLET	LIQUID OUTLET	EQUAL	THERMO RETURN	THERMO SUPPLY	RELIEF (CPLG)
TSR-H-0848	8	48	1.5	113	1-1/4	1-1/4	1-1/4	2	1-1/2	3/4
TSR-H-1048	10	48	2.4	173	1-1/2	1-1/2	1-1/2	2	1-1/2	3/4
TSR-H-1248	12	48	2.9	244	2	2	2	2-1/2	2	3/4
TSR-H-1272	12	72	4.4	377	2	2	2	2-1/2	2	3/4
TSR-H-1672	16	72	7.8	619	3	3	3	4	3	3/4
TSR-H-2072	20	72	12.1	968	4	4	4	5	4	3/4
TSR-H-2472	24	72	17.6	1869	5	5	4	5	4	3/4
TSR-H-3084	30	84	32.2	3420	6	6	5	6	5	3/4
TSR-H-3696	36	96	52.9	5618	8	8	6	8	6	3/4
TSR-H-42120	42	120	90.6	9622	8	8	8	8	8	3/4
TSR-H-48147	48	147	145	15400	10	10	10	10	10	3/4

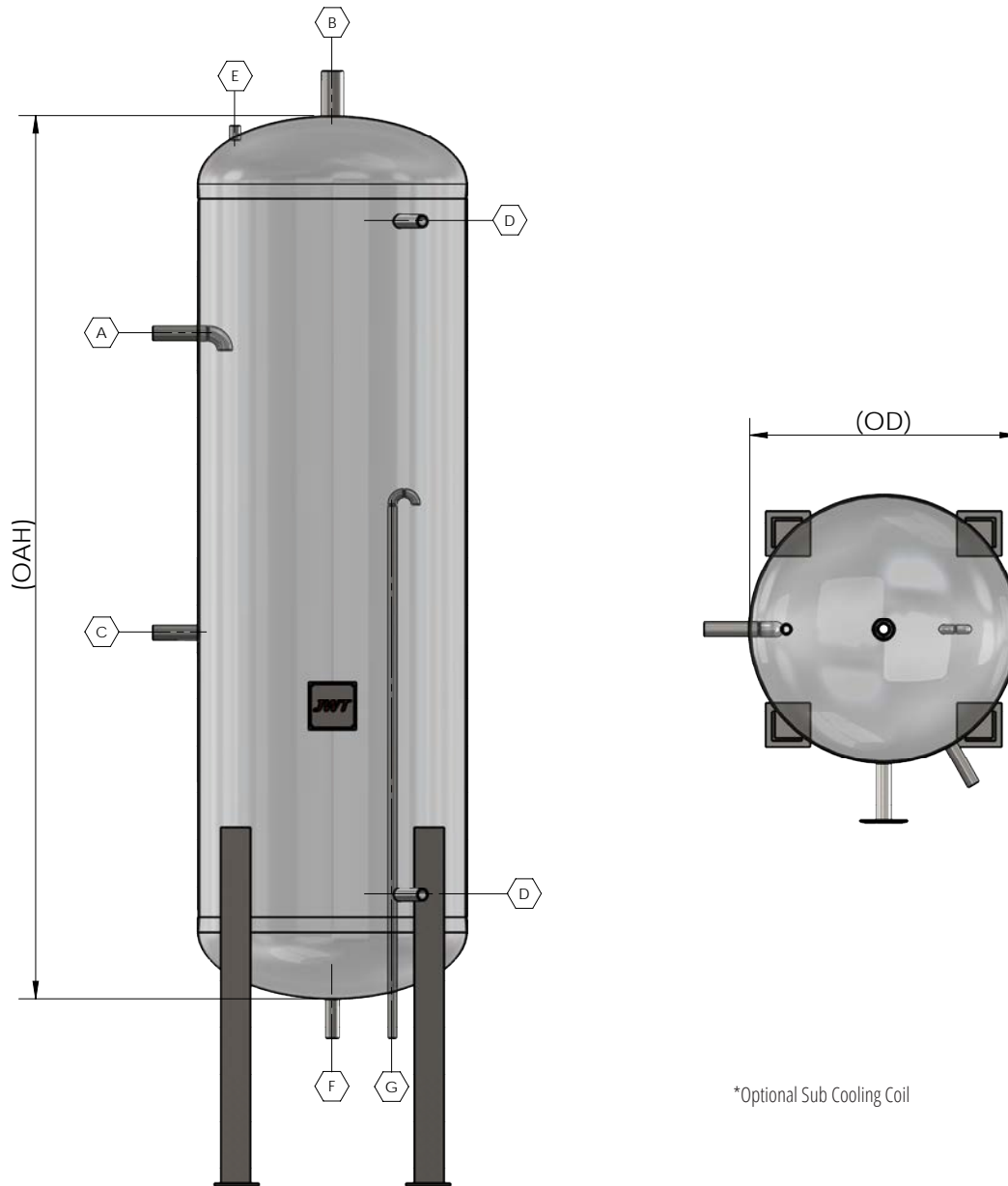
1. ALL DIMENSIONS ARE IN INCHES.
2. HEAT OF REJECTION AT +96°F.
3. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
4. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

VERTICAL CONTROLLED PRESSURE RECEIVER



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAH)	TOTAL VOLUME (CU FT)	PUMPDOWN CAPACITY (LBs)	A	B	C	D	E	F	G	H
					LIQUID INLET	LIQUID OUTLET	LIQUID TRANSFER INLET	GAS INLET/OUTLET	LEVEL COLUMN	RELIEF	OIL POT VENT	DRAIN
CPR-V-20144	20	144	22.9	706	3/4	1-1/4	1-1/4	3/4	1-1/2	1-1/2	3/4	2
CPR-V-24144	24	144	34.7	1069	1	1-1/4	1-1/4	3/4	1-1/2	1-1/2	3/4	2
CPR-V-30138	30	138	20.9	644	1-1/4	1-1/2	2	3/4	1-1/2	1-1/2	3/4	2
CPR-V-36141	36	141	75.6	2329	1-1/4	2	2	3/4	1-1/2	1-1/2	3/4	2
CPR-V-42144	42	144	110	3380	1-1/2	2	2	3/4	1-1/2	1-1/2	3/4	2
CPR-V-48147	48	147	139	4282	2	2-1/2	3	1-1/4	1-1/2	1-1/2	3/4	2
CPR-V-54150	54	150	184	5669	2	3	4	1-1/4	1-1/2	1-1/2	3/4	2
CPR-V-60153	60	153	234	7209	2	3	4	1-1/4	1-1/2	1-1/2	3/4	2
CPR-V-72159	72	159	342	10536	2-1/2	4	5	1-1/2	1-1/2	1-1/2	3/4	2
CPR-V-84165	84	165	478	14726	3	4	5	2	1-1/2	1-1/2	3/4	2
CPR-V-96171	96	171	645	19871	3	4	5	2	1-1/2	1-1/2	3/4	2

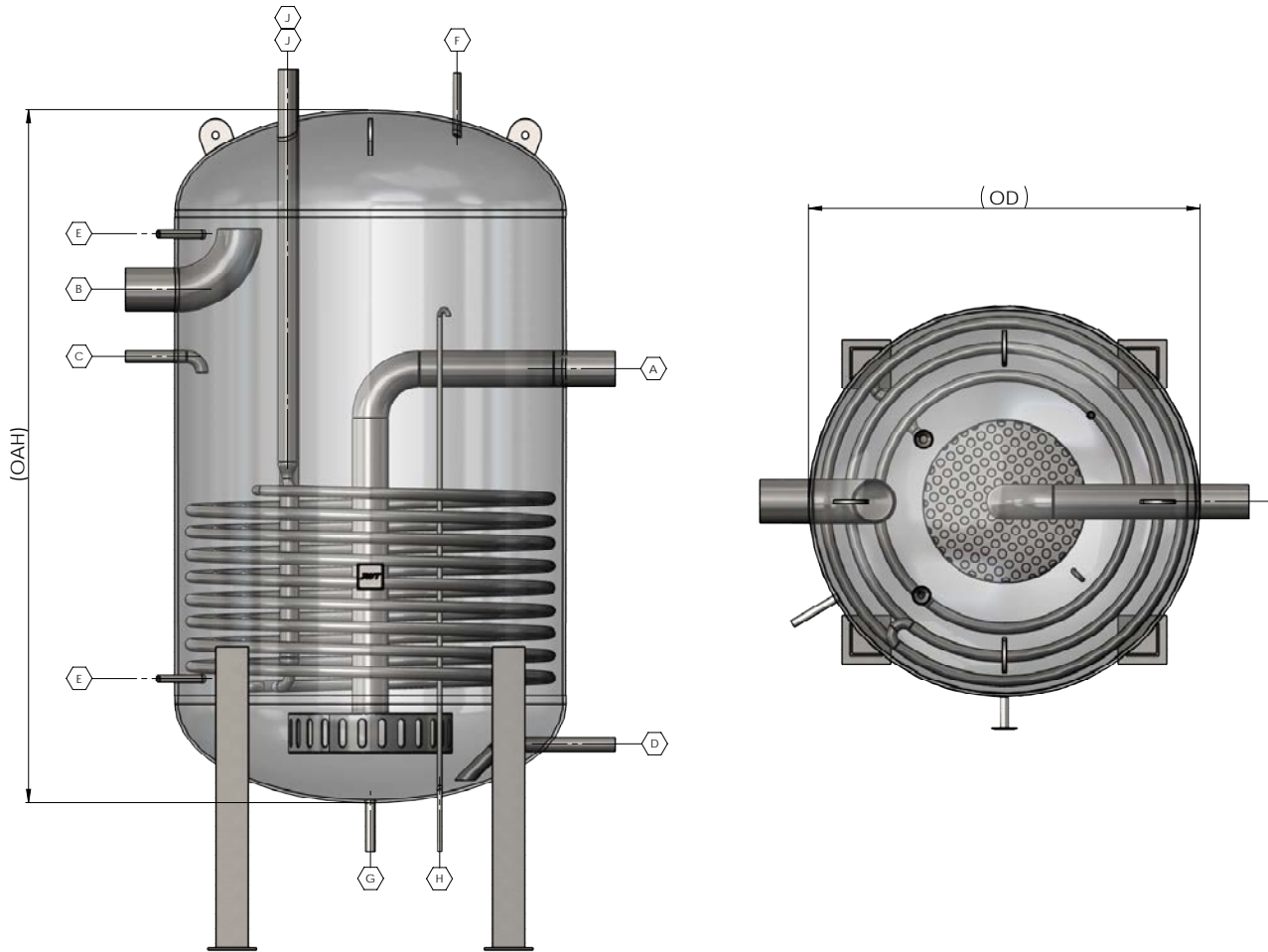
1. ALL DIMENSIONS ARE IN INCHES.
2. PUMPDOWN CAPACITY AT 80% AND +60°F.
3. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
4. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAH)	SURGE VOLUME (CU FT)	PUMPDOWN CAPACITY (LBs)	A	B	C	D	E	F	G
					LIQUID INLET	GAS OUTLET	LIQUID OUTLET	LEVEL COLUMN	RELIEF	DRAIN	OIL POT VENT
FEC-V-2096	20	96	22.9	706	3	4	3	1-1/2	1/2	1	3/4
FEC-V-2498	24	98	34.7	1069	4	4	3	1-1/2	1/2	1	3/4
FEC-V-30115	30	115	20.9	644	4	5	4	1-1/2	3/4	1-1/2	3/4
FEC-V-36118	36	118	75.6	2329	5	6	4	1-1/2	3/4	1-1/2	3/4

1. ALL DIMENSIONS ARE IN INCHES.
2. OPERATING CHARGE AT OPERATING LEVEL @ 0°F RT.
3. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
4. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

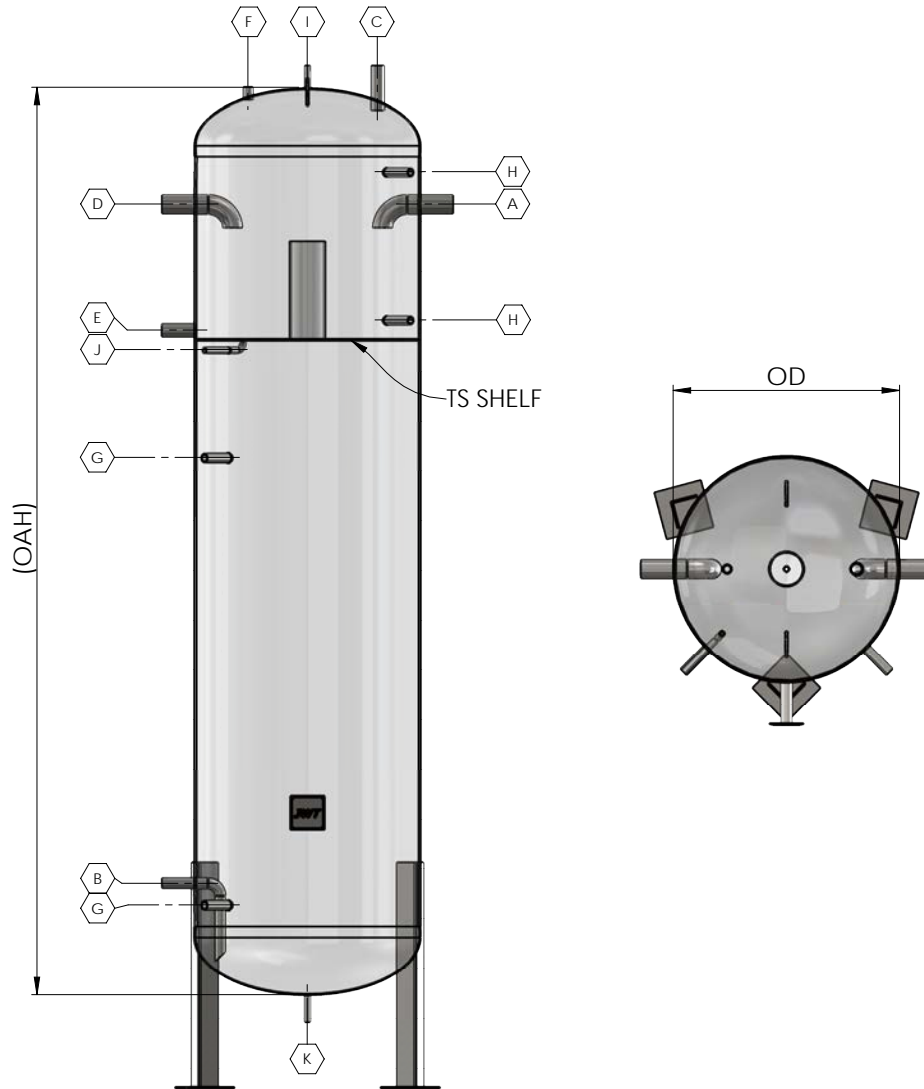
VERTICAL INTERCOOLER



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAH)	A BOOSTER INLET	B DRY SUCTION	C LIQUID MAKE-UP	D LIQUID OUTLET	E LEVEL COLUMN	F RELIEF	G DRAIN	H EQUAL	J COIL IN/OUT
INT-V-1695	16	95	3	3	1	1	1-1/2	1	2	3/4	3/4
INT-V-20111	20	111	4	4	1-1/4	1-1/4	1-1/2	1	2	3/4	3/4
INT-V-24113	24	113	4	4	1-1/4	1-1/4	1-1/2	1	2	3/4	1
INT-V-30116	30	116	5	5	1-1/2	1-1/2	1-1/2	1	2	3/4	1-1/4
INT-V-36119	36	119	6	6	1-1/2	1-1/2	1-1/2	1	2	3/4	1-1/2
INT-V-42146	42	146	6	6	2	2	1-1/2	1	2	3/4	1-1/2
INT-V-48149	48	149	8	8	2	2	1-1/2	1	2	3/4	1-1/2
INT-V-54152	54	152	8	8	2-1/2	2-1/2	1-1/2	1-1/2	2	3/4	2
INT-V-60155	60	155	8	8	2-1/2	2-1/2	1-1/2	1-1/2	2	3/4	2
INT-V-72161	72	161	10	10	3	3	1-1/2	1-1/2	2	3/4	3
INT-V-84167	84	167	10	10	3	3	1-1/2	1-1/2	2	3/4	3
INT-V-96173	96	173	12	12	4	4	1-1/2	1-1/2	2	3/4	4
INT-V-108180	108	180	12	12	4	4	1-1/2	1-1/2	2	3/4	4
INT-V-120186	120	186	14	14	5	5	1-1/2	1-1/2	2	3/4	5
INT-V-144198	144	198	16	16	5	5	1-1/2	1-1/2	2	3/4	6

1. ALL DIMENSIONS ARE IN INCHES.
2. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
3. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

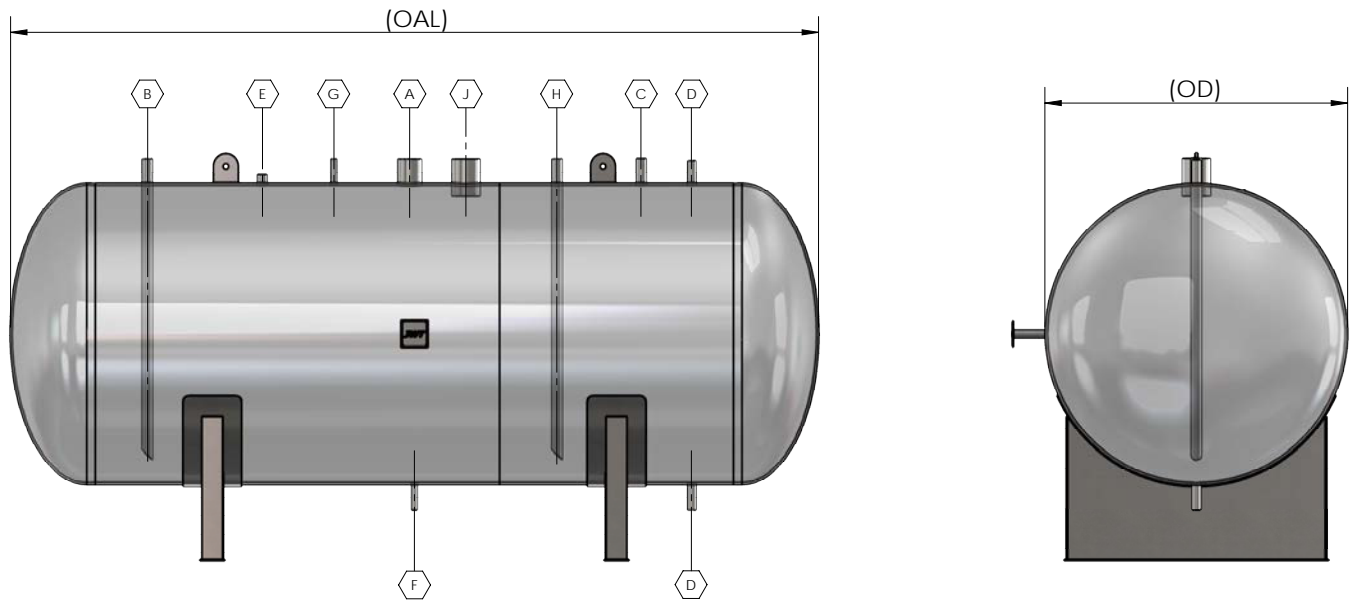
HP VERTICAL THERMOSIPHON RECEIVER



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAH)	UPPER VOLUME (CU FT)	LOWER VOLUME (CU FT)	PUMPDOWN CAPACITY (LB)	A	B	C	D	E	F	G	H	I	J	K
						LIQUID INLET	LIQUID OUTLET	EQUAL	THERMO RETURN	THERMO SUPPLY	RELIEF (CPLG)	LEVEL COLUMN	TS LEVEL COLUMN	PURGE	THERMO DRAIN	DRAIN
HTSR-V-36142	36	142	10	60	2201	2-1/2	1-1/2	1-1/4	3	2-1/2	3/4	1-1/2	1-1/2	3/4	3/4	3/4
HTSR-V-48195	48	195	18	155	5685	4	2	3	4	3	3/4	1-1/2	1-1/2	3/4	3/4	3/4
HTSR-V-54198	54	198	23	196	7189	4	2-1/2	3	4	3	3/4	1-1/2	1-1/2	3/4	3/4	3/4
HTSR-V-60201	60	201	29	243	8899	4	3	3	4	3	1	1-1/2	1-1/2	3/4	3/4	3/4
HTSR-V-72207	72	207	42	335	12288	5	4	4	5	4	1	1-1/2	1-1/2	3/4	3/4	3/4
HTSR-V-84213	84	213	57	470	17240	6	4	5	6	5	1	1-1/2	1-1/2	3/4	3/4	3/4
HTSR-V-96219	96	219	75	595	21825	6	5	5	6	5	1	1-1/2	1-1/2	3/4	3/4	3/4
HTSR-V-108225	108	225	95	756	27730	8	5	6	8	6	1-1/4	1-1/2	1-1/2	3/4	3/4	3/4
HTSR-V-120231	120	231	117	930	34112	8	6	6	8	6	1-1/4	1-1/2	1-1/2	3/4	3/4	3/4
HTSR-V-144243	144	243	169	1345	49335	10	6	8	10	8	1-1/4	1-1/2	1-1/2	3/4	3/4	3/4

1. ALL DIMENSIONS ARE IN INCHES.
2. PUMPDOWN CAPACITY IS GIVEN FOR R-717 AT 100% FULL AND +95°F.
3. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
4. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

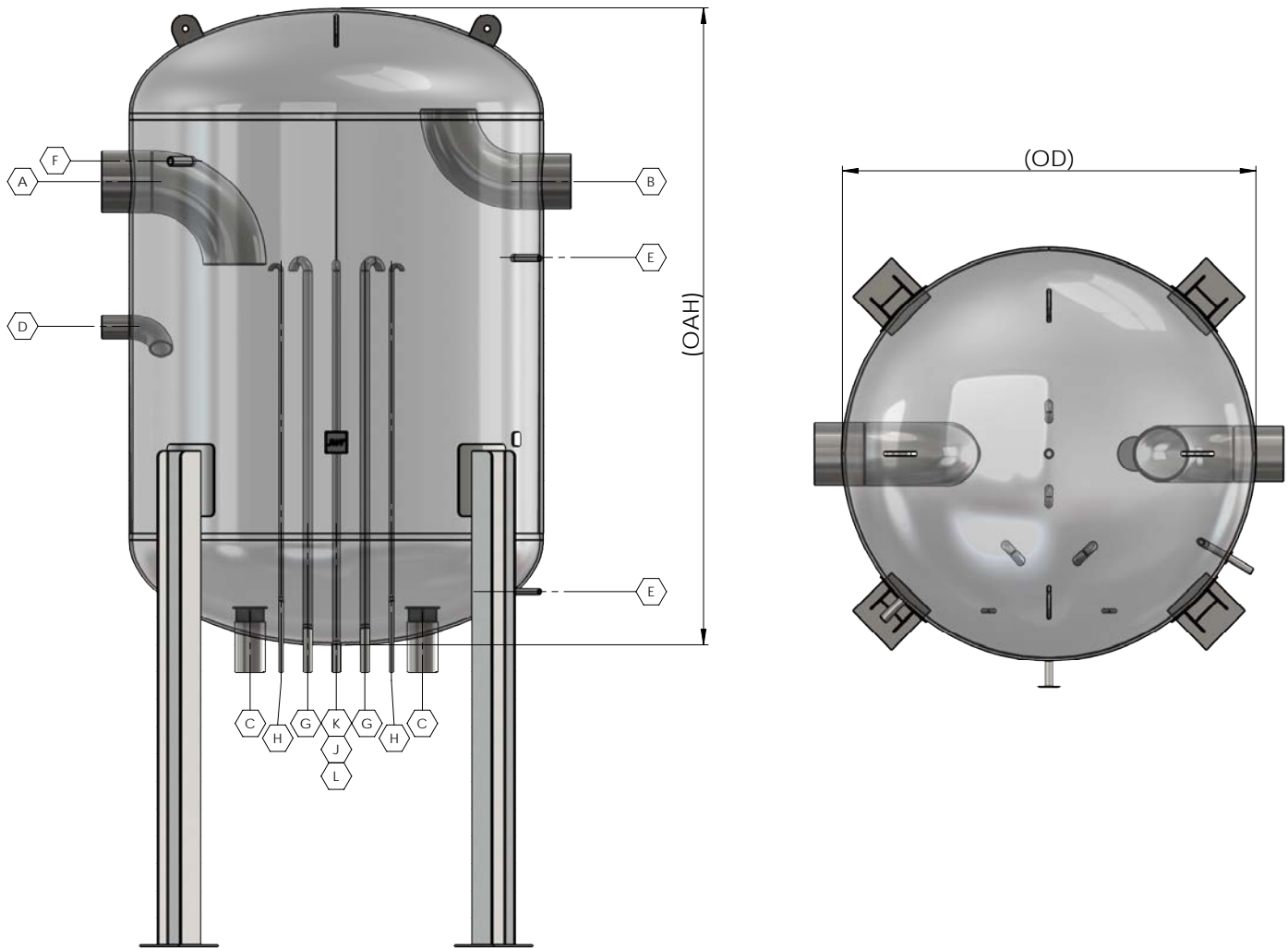
HP HORIZONTAL THERMOSIPHON RECEIVER



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAL)	TOTAL VOLUME (CU FT)	CAPACITY @ 80% Full Lb R-717	A LIQUID INLET	B LIQUID OUTLET	C EQUAL	D LEVEL COLUMN	E RELIEF (CPLG)	F DRAIN	G PURGE	H THERMO RETURN	J THERMO SUPPLY
HPTR-H-20111	20	111	17	499	1-1/2	1	3/4	1-1/2	3/4	1	3/4	2	1-1/2
HPTR-H-20135	20	135	21	616	1-1/2	1	3/4	1-1/2	3/4	1	3/4	2	1-1/2
HPTR-H-24113	24	113	26	763	2	1	1	1-1/2	3/4	1	3/4	2-1/2	2
HPTR-H-24137	24	137	32	939	2	1	1	1-1/2	3/4	1	3/4	2-1/2	2
HPTR-H-30116	30	116	42	1,232	2-1/2	1-1/4	1-1/4	1-1/2	3/4	1	3/4	2-1/2	2
HPTR-H-30140	30	140	52	1,525	2-1/2	1-1/4	1-1/4	1-1/2	1	1	3/4	2-1/2	2
HPTR-H-36119	36	119	63	1,848	3	1-1/2	1-1/2	1-1/2	1	1	3/4	3	2-1/2
HPTR-H-36143	36	143	76	2,230	3	1-1/2	1-1/2	1-1/2	1	1	3/4	3	2-1/2
HPTR-H-42122	42	122	87	2,552	3	1-1/2	2	1-1/2	1	1	3/4	3	2-1/2
HPTR-H-42146	42	146	106	3,110	3	1-1/2	2	1-1/2	1	1	3/4	3	2-1/2
HPTR-H-48125	48	125	117	3,432	3	2	2	1-1/2	1	1	3/4	4	3
HPTR-H-48149	48	149	141	4,136	3	2-1/2	2-1/2	1-1/2	1	1	3/4	4	3
HPTR-H-54152	54	152	180	5,280	4	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4	4	3
HPTR-H-54272	54	272	334	9,798	5	3	3	1-1/2	1-1/2	1	3/4	4	3
HPTR-H-60155	60	155	225	6,601	5	2-1/2	2-1/2	1-1/2	1-1/2	1	3/4	4	3
HPTR-H-60275	60	275	413	12,116	6	3	3	1-1/2	1-1/2	1	3/4	4	3
HPTR-H-72161	72	161	335	9,828	6	3	3	1-1/2	1-1/2	1	3/4	5	4
HPTR-H-72281	72	281	608	17,836	8	4	4	1-1/2	1-1/2	1	3/4	5	4
HPTR-H-84167	84	167	468	13,729	8	4	4	1-1/2	1-1/2	1	3/4	6	5
HPTR-H-84287	84	287	839	24,613	10	5	5	1-1/2	1-1/2	1	3/4	6	5
HPTR-H-96173	96	173	631	18,511	10	5	4	1-1/2	1-1/2	1	3/4	6	5
HPTR-H-96293	96	293	1,118	32,798	10	5	5	1-1/2	1-1/2	1	3/4	6	5

1. ALL DIMENSIONS ARE IN INCHES.
2. CAPACITY IS BASED ON VESSEL 80% FULL AND AMMONIA AT 95°F.
3. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
4. RELIEF (E) AND PURGE (G) CONNECTIONS ARE ASME B16.11 CLASS 3000 FULL COUPLINGS.
5. CHART REPRESENTS SHELL LENGTHS OF 96, 120, 240 INCHES FOR STANDARD CONDITIONS. ALL VESSELS CAN BE CUSTOM BUILT TO CUSTOMER SPECIFICATIONS.

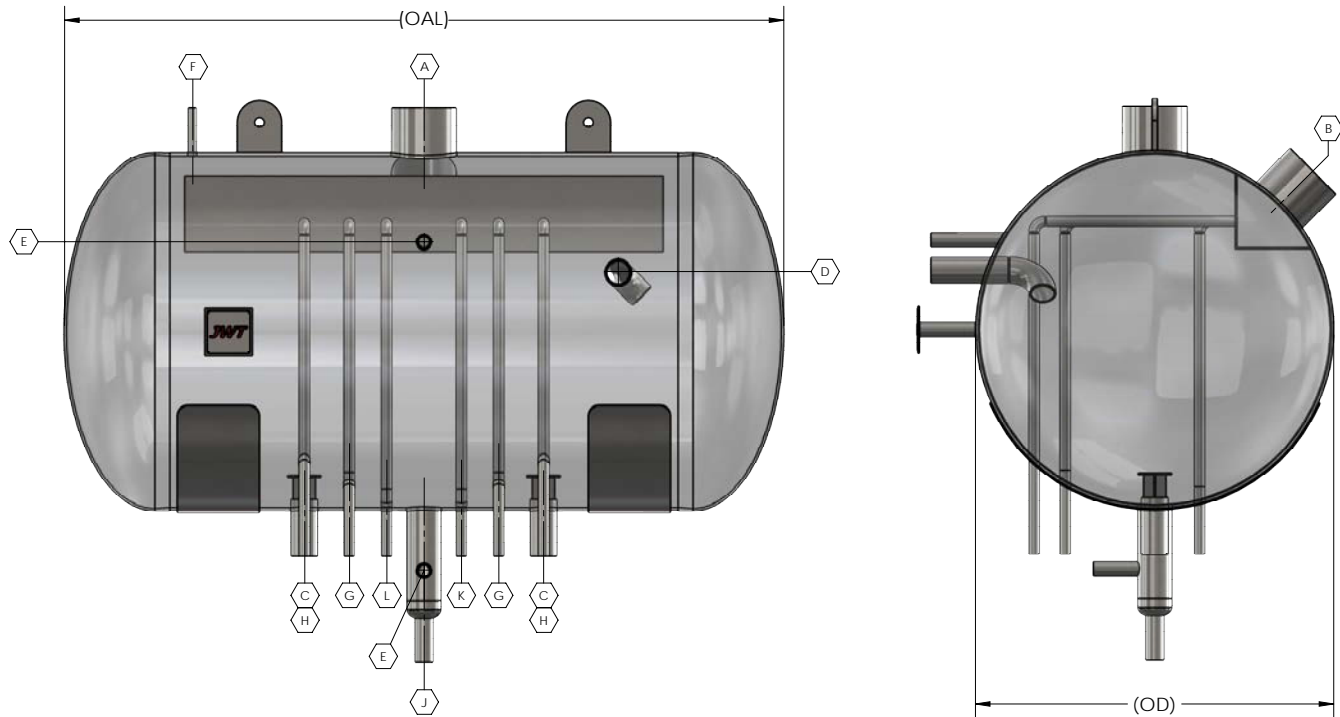
VERTICAL RECIRCULATOR VESSEL



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAH)	A	B	C	D	E	F	G	H	J	K	L
			WET RETURN	DRY SUCTION	PUMP SUCTION	LIQUID MAKE-UP	LEVEL COLUMN	RELIEF	PUMP BYPASS INLET	PUMP COOLING INLET	OIL DRAIN TO OIL POT	OIL POT VENT	RELIEF FROM OIL POT
PRP-V-24137	24	137	5	4	4	1-1/2	1-1/2"	1-1/2	1	3/4	2	3/4	3/4
PRP-V-30140	30	140	6	5	4	2	1-1/2"	1-1/2	1	3/4	2	3/4	3/4
PRP-V-36143	36	143	8	6	5	2-1/2	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-42146	42	146	8	6	5	2-1/2	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-48149	48	149	10	8	5	3	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-54152	54	152	10	8	5	3	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-60155	60	155	10	8	6	4	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-72161	72	161	12	10	8	4	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-84168	84	168	14	10	8	5	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-96174	96	174	16	12	8	5	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-108180	108	180	18	14	8	6	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-120186	120	186	20	16	8	6	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-V-144198	144	198	20	18	8	8	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4

1. ALL DIMENSIONS ARE IN INCHES.
2. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
3. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

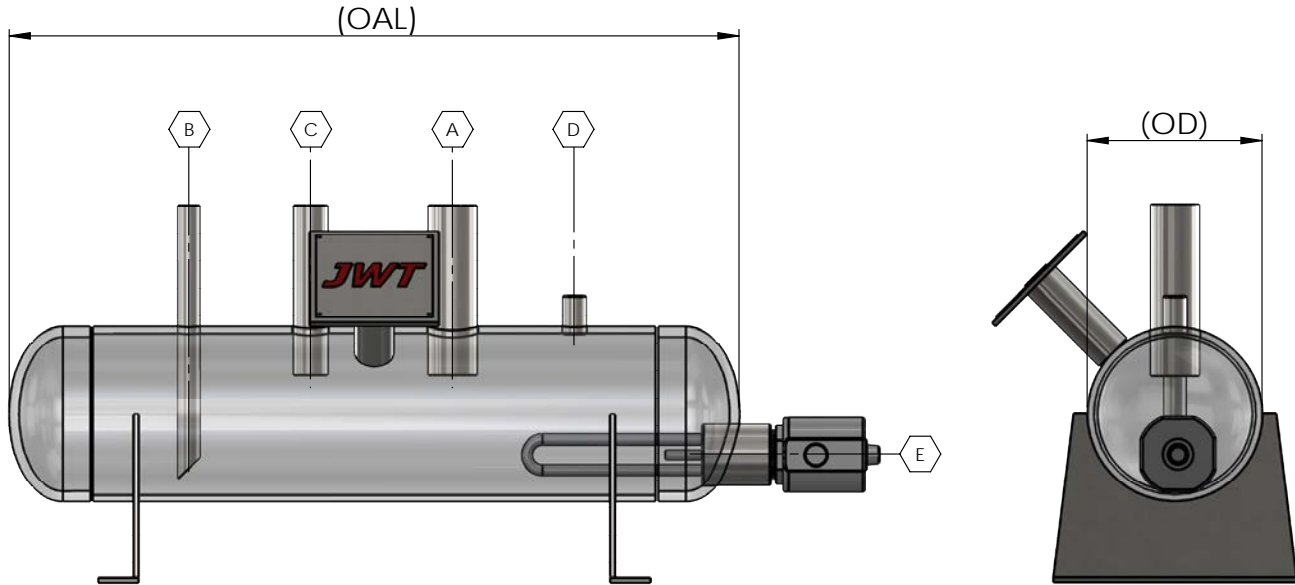
HORIZONTAL RECIRCULATOR VESSEL



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAL)	A	B	C	D	E	F	G	H	J	K	L
			WET RETURN	DRY SUCTION	PUMP SUCTION	LIQUID MAKE-UP	LEVEL COLUMN	RELIEF	PUMP BYPASS INLET	PUMP COOLING INLET	OIL DRAIN TO OIL POT	EQUAL TO OIL POT	RELIEF FROM OIL POT
PRP-H-24137	24	137	5	5	4	2	1-1/2"	1-1/2	1-1/4	3/4	2	3/4	3/4
PRP-H-30140	30	140	6	5	4	2	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-36143	36	143	8	6	4	2-1/2	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-42146	42	146	8	6	5	3	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-48149	48	149	8	8	5	3	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-54152	54	152	10	8	5	4	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-60155	60	155	10	8	6	4	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-72161	72	161	12	10	6	4	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-84168	84	168	14	10	8	5	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-96174	96	174	16	12	8	5	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-108180	108	180	16	14	8	6	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-120186	120	186	18	16	8	6	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4
PRP-H-144198	144	198	20	16	8	8	1-1/2"	1-1/2	1-1/2	3/4	2	3/4	3/4

1. ALL DIMENSIONS ARE IN INCHES.
2. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
3. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

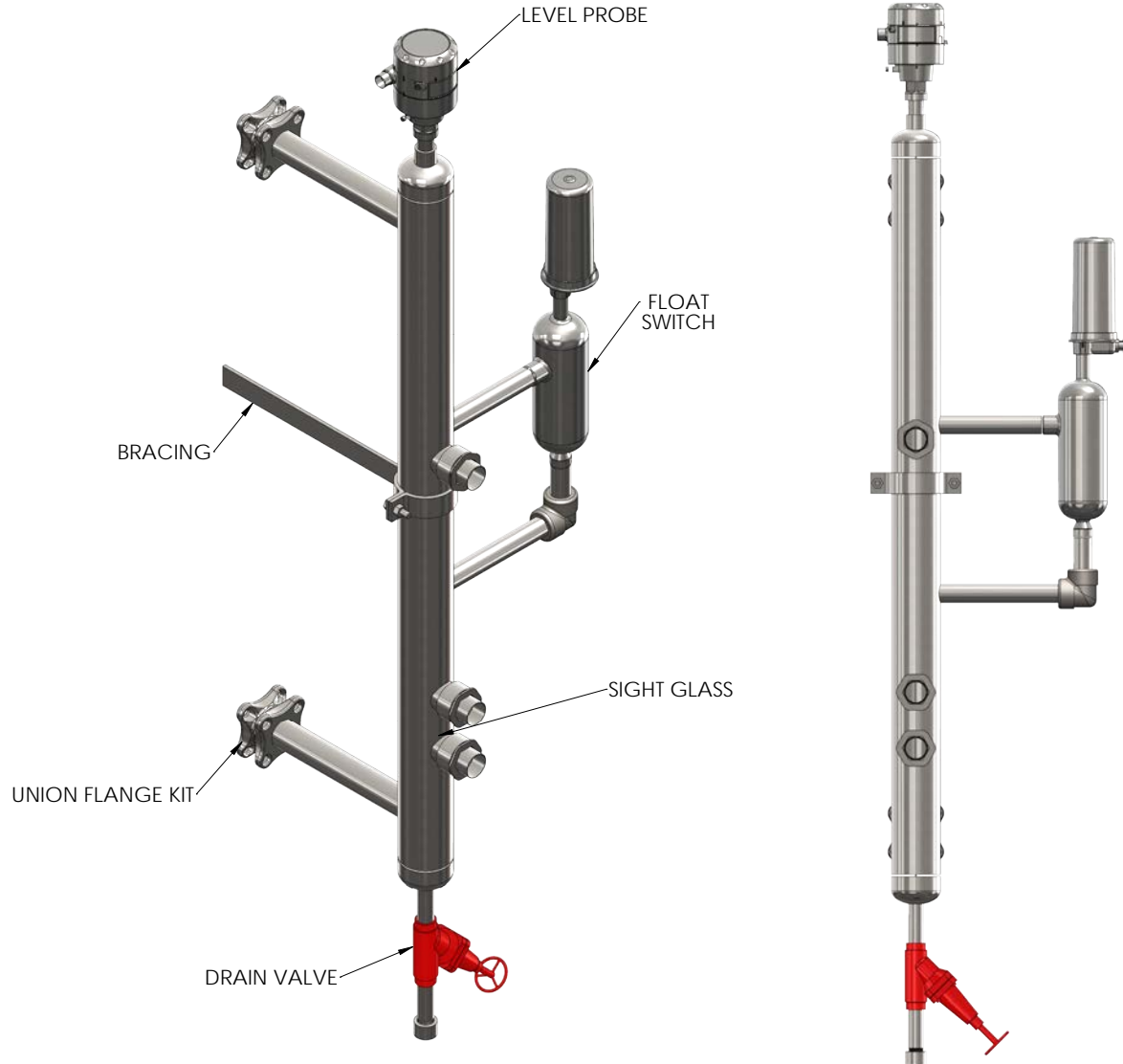
OIL POT



MODEL	OUTSIDE DIAMETER (OD)	OVERALL LENGTH (OAL)	A	B	C	D	E (OPT.)
			LIQUID INLET	LIQUID OUTLET	VENT	RELIEF (CPLG)	HEATER (CPLG)
OP-H-0836	8	36	2	3/4	1-1/4	3/4	2
OP-H-1036	10	36	2	3/4	1-1/4	3/4	2
OP-H-1236	12	36	2	3/4	1-1/4	3/4	2

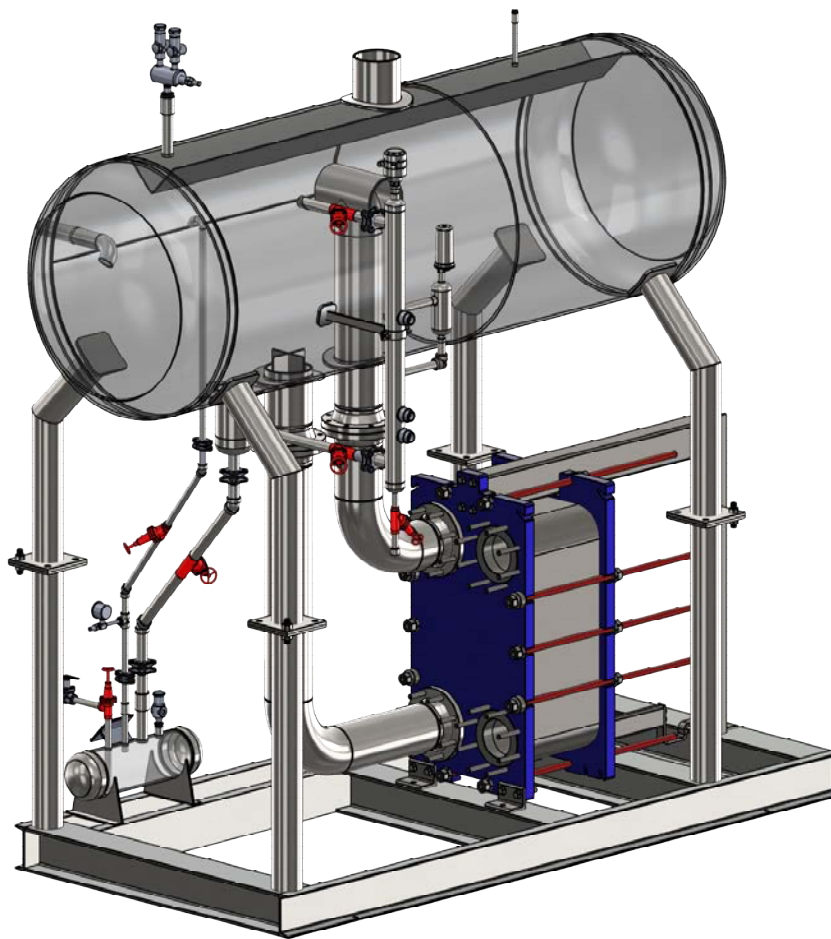
1. ALL DIMENSIONS ARE IN INCHES.
2. ALL NOZZLE CONNECTIONS ARE PIPE STUBS UNLESS OTHERWISE SPECIFIED.
3. ALL VESSELS CAN BE CUSTOM-BUILT TO CUSTOMER SPECIFICATIONS.

LEVEL COLUMN



Adders:

- Stainless Steel Conversion
- Float Switch
- Level Probe
- Drain Shutoff Valve
- Vessel Shutoff Valves
- Low Temperature Service (SA333 / SA420)
- Clear Glass or Reflective Lens
- Frost Shield or Extended Frost Shield

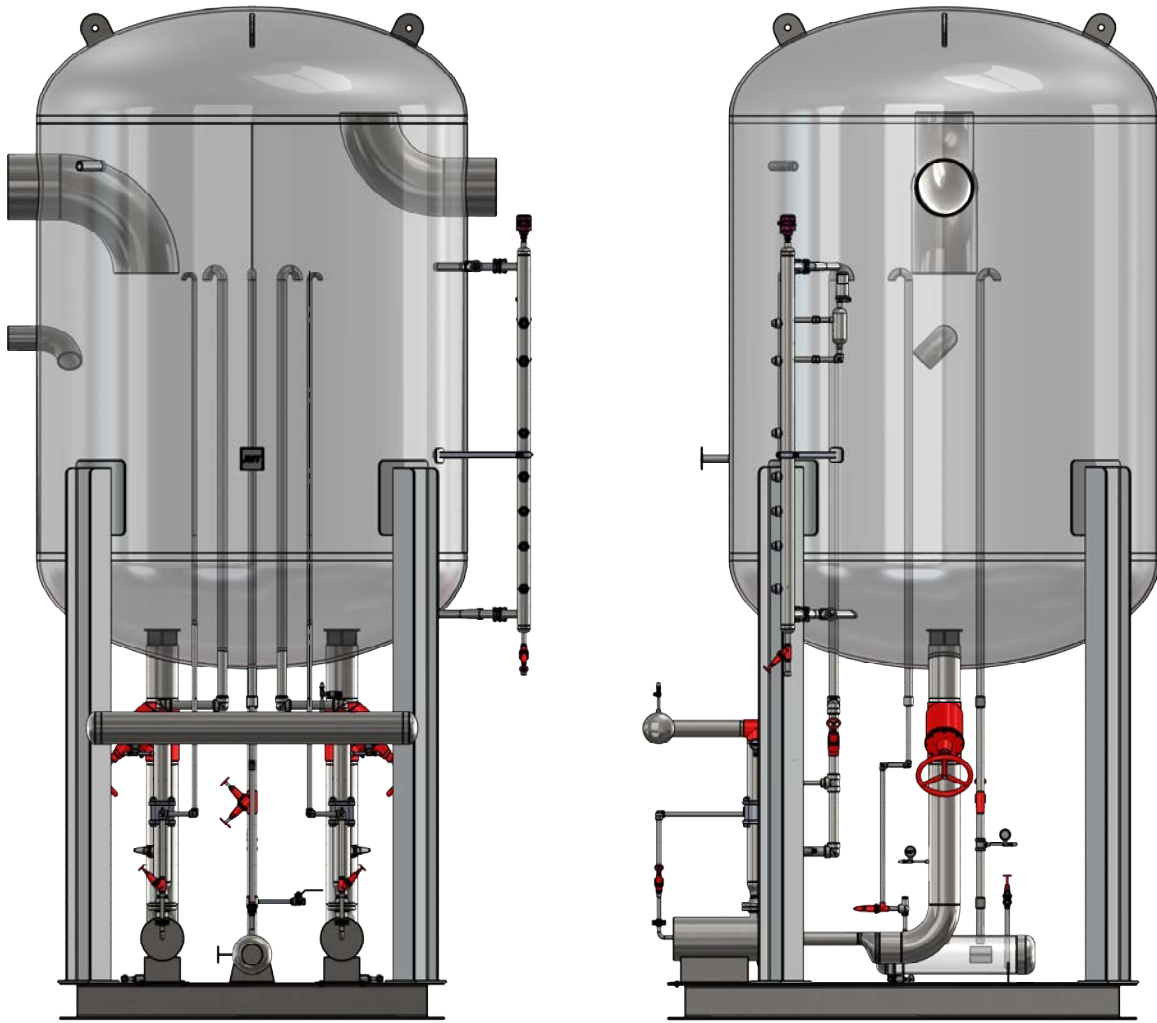


Standard Features Include:

- Split-flow horizontal surge drum
- Dual relief assembly for package
- Oil Pot with full trim
- Valved and flanged level column with sight glasses and factory installed HLCO float switch and drain valve, Danfoss level sensor and controller
- Danfoss valves
- Structural steel base
- 2 part epoxy

Optional Add-Ons Include:

- Liquid makeup valve train
- Electric oil pot heater with integral thermostat, in various voltages and kW
- Stop valves to isolate HX
- Dual relief assembly for HX
- Post weld heat treatment of surge drum
- Sandblasting and special coatings
- Alternate level sensors and controllers
- Alternate valve suppliers
- UL/NEMA4 Control Panel



Standard Features Include:

- Vertical or Horizontal vessel orientation
- Dual relief assembly for package
- Oil Pot with full trim
- Valved and flanged level column with sight glasses, HLCO float switch and drain valve with Danfoss level sensor and controller
- Danfoss valves
- Structural steel base
- 2 part epoxy

Optional Add-Ons Include:

- Liquid makeup valve train
- Electric oil pot heater with integral thermostat, in various voltages and kW
- Post weld heat treatment of vessel
- Sandblasting and special coatings
- Alternate level sensors and controllers
- Alternate valve suppliers
- UL/NEMA4 Control Panel

Contact JWT for a quote today!

Chris Mahaffey
President - Refrigeration
cmahaffey@jwtank.net

Chris Luco
Vice President of Business Development
cluco@jwtank.net

Spencer Young
Project Manager
syoung@jwtank.net

Eric Hekele
Project Manager
ehekele@jwtank.net



2710 N Nichols St, Fort Worth, Texas 76106

(817) 624-1141

JWTANK.NET

JWT-C-1.0





