



Submittal Data

BUFFER TANKS

SEE "MODELS TABLE" ON PAGE 2 FOR AVAILABLE PART NUMBERS



Project Name:	Representative:	
Contractor:	Engineer:	
Ref/P.O.#:	Date:	
Submitted by:	Date:	
Qty:	Part #:	Description

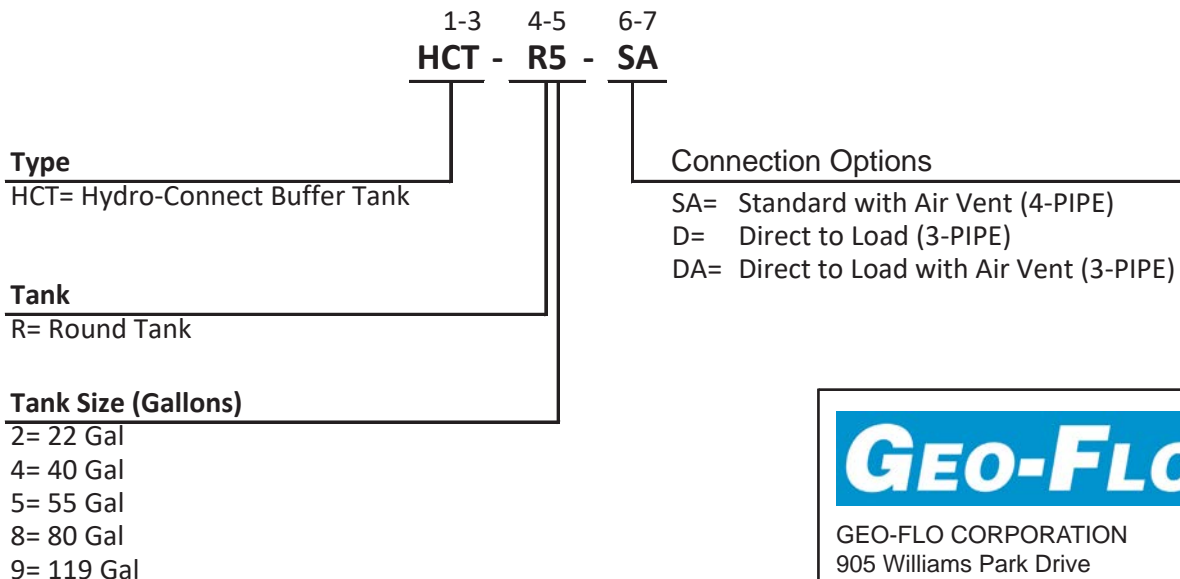
Technical Specifications

Tank: Fiberglass reinforced polypropylene coated with epoxy resin
 Shell: Polypropylene
 Stainless Steel Fittings: 304 SS
 Air Vent: Maximum Pressure: 150 PSI Temperature Range: 33°F - 240°
 Vacuum Relief Valve: 3/4" MIP connection, rated to ANSI Z21.22 Drain Valve: 1" with garden hose swivel connection, Lead-free brass Tank rated to NSF/ANSI 61, 372
 Thermowell: 3" Insertion, C27200 Body, C38500 Hex and Thread, 0.28" (7mm) Sensor Port.

Maximum Working Pressure: 100 PSI/ 140°F
 Maximum Working Temperature: 180°F/ 75 PSI
 Insulation: Closed cell foam, R-15

All models include:
 Thread Seal Compound
 Stainless Steel Thread Seal Tape
 Heat Transfer Paste: Carbon based, 1.93 W/m-k
 Temperature sensor not included.

NOMENCLATURE



GEO-FLO CORPORATION
 905 Williams Park Drive
 Bedford, IN 47421
 Phone: 812-275-8513 Fax: 812-275-8523
 www.geo-flo.com

Models Table

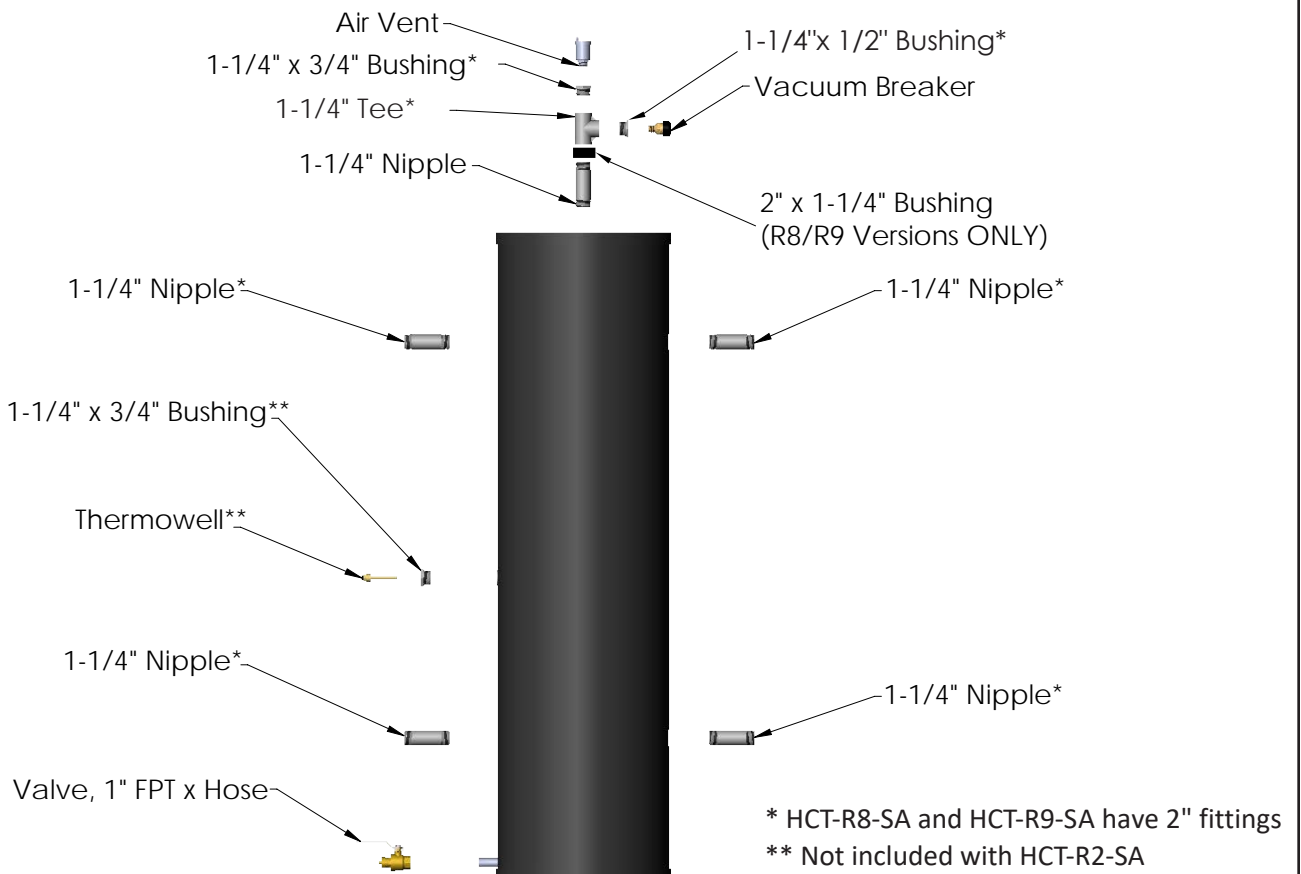
MODEL PART NUMBER	DESCRIPTION (4-PIPE)	VOLUME GALLONS	CONNECTIONS	THERMAL WELL
HCT-R2-SA	22 GAL, STANDARD, AIR VENT (NO THERMOWELL)	22	1-1/4"	NO
HCT-R4-SA	40 GAL, STANDARD, AIR VENT	40	1-1/4"	YES
HCT-R5-SA	55 GAL, STANDARD, AIR VENT	55	1-1/4"	YES
HCT-R8-SA	80 GAL, STANDARD, AIR VENT	80	2"	YES
HCT-R9-SA	119 GAL, STANDARD, AIR VENT	119	2"	YES

MODEL PART NUMBER	DESCRIPTION (3-PIPE)	VOLUME GALLONS	CONNECTIONS	THERMAL WELL
HCT-R2-D	22 GAL, DIRECT (NO THERMOWELL)	22	1-1/4"	NO
HCT-R4-D	40 GAL, DIRECT	40	1-1/4"	YES
HCT-R5-D	55 GAL, DIRECT	55	1-1/4"	YES
HCT-R8-D	80 GAL, DIRECT	80	2"	YES
HCT-R9-D	119 GAL, DIRECT	119	2"	YES

MODEL PART NUMBER	DESCRIPTION (3-PIPE)	VOLUME GALLONS	CONNECTIONS	THERMAL WELL
HCT-R2-DA	22 GAL, DIRECT, AIR VENT (NO THERMOWELL)	22	1-1/4"	NO
HCT-R4-DA	40 GAL, DIRECT, AIR VENT	40	1-1/4"	YES
HCT-R5-DA	55 GAL, DIRECT, AIR VENT	55	1-1/4"	YES
HCT-R8-DA	80 GAL, DIRECT, AIR VENT	80	2"	YES
HCT-R9-DA	119 GAL, DIRECT, AIR VENT	119	2"	YES

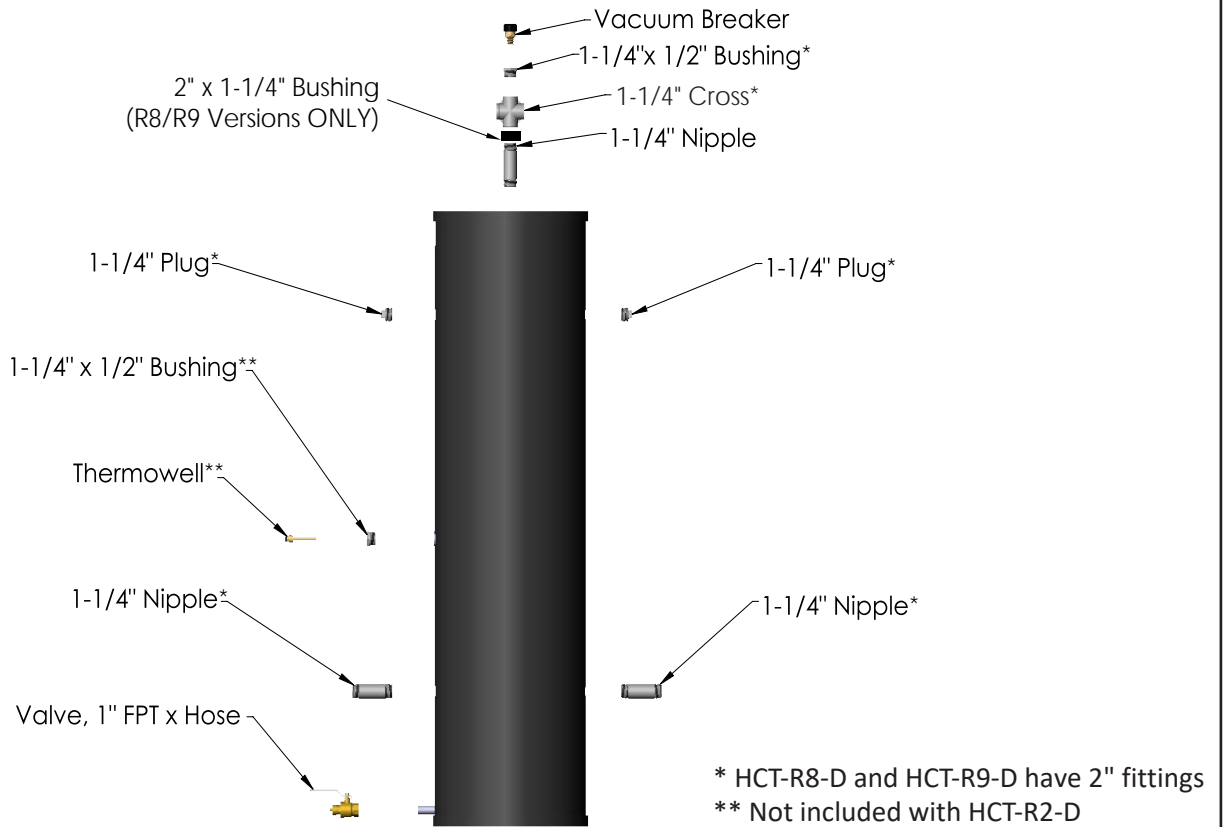
Models

BUFFER TANK, STANDARD 4-PIPE WITH AIR VENT (HCT-R_-SA)

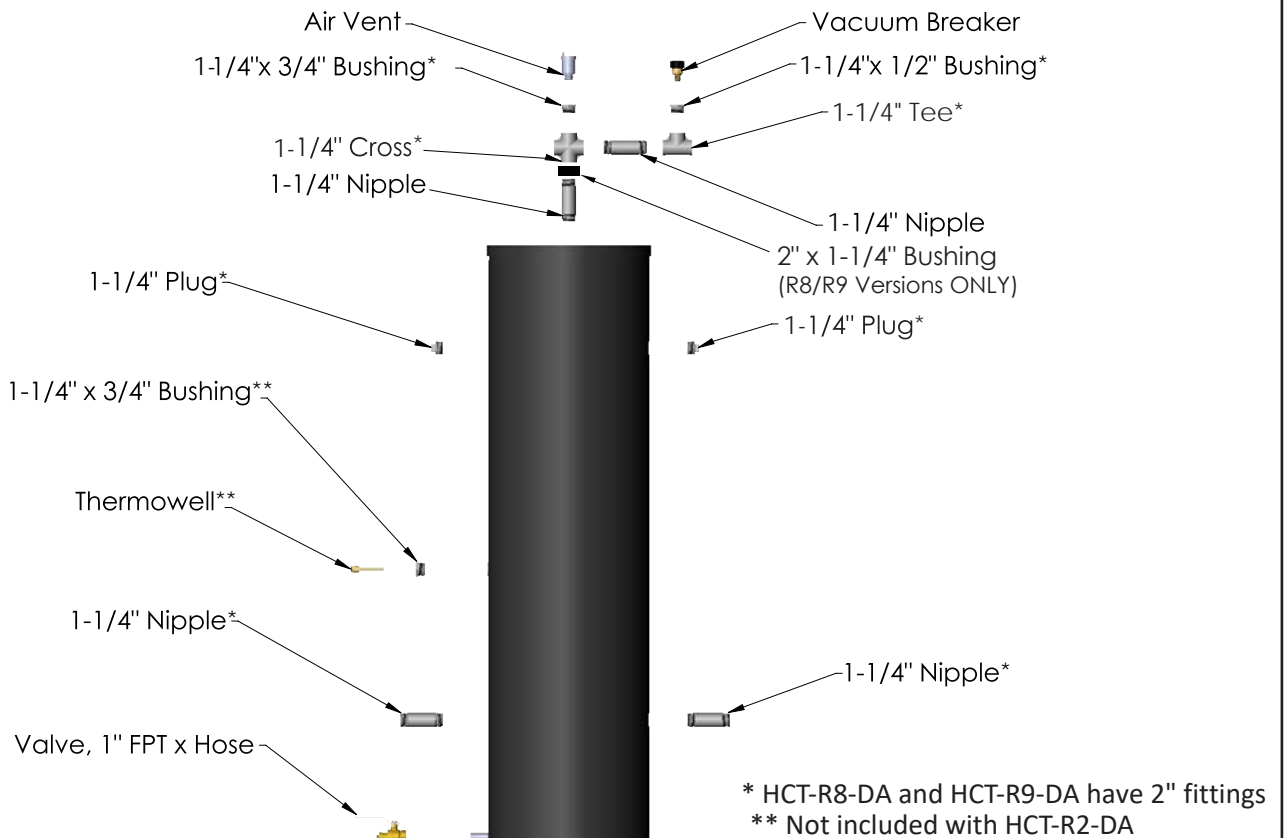


Models, continued

BUFFER TANK, DIRECT TO LOAD 3-PIPE (HCT-R_-D)

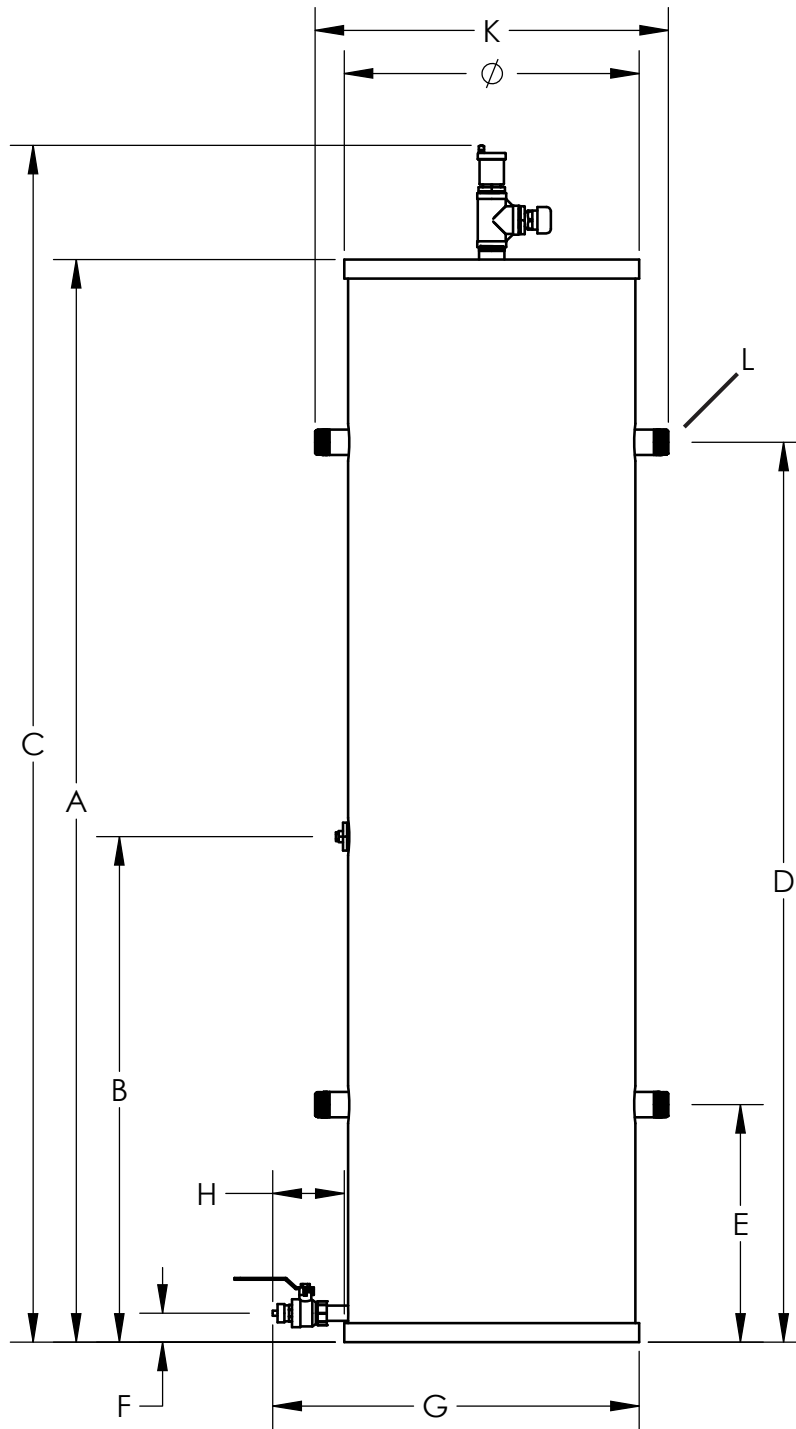


BUFFER TANK, DIRECT TO LOAD 3-PIPE WITH AIR VENT (HCT-R_-DA)



Dimensional Data¹

BUFFER TANK, STANDARD WITH AIR VENT (4-Pipe) (HCT-R_-SA)

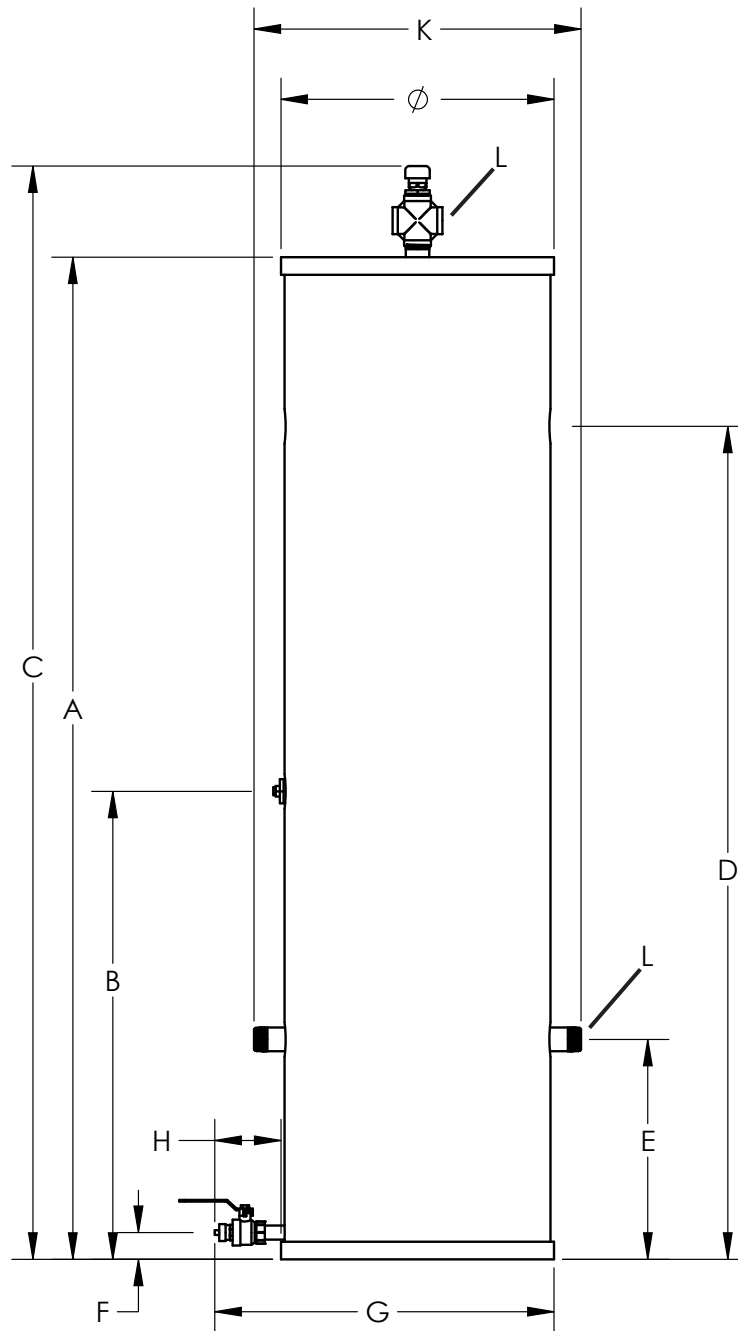


MODEL PN	DIAMETER ϕ	A	B	C	D	E	F	G	H	K	L	Weight (Lbs)
HCT-R2-SA	21	35	NA	41	24	14		24	3-3/4	25		50
HCT-R4-SA	21	56	26	63-1/2	41-1/2	15-1/2	1-7/8	24	4-5/8	23-1/8	1-1/4" NPT	58.25
HCT-R5-SA	21	73	33-1/4	78-1/2	59	15-5/8		24	4-5/8	23-1/8		78.25
HCT-R8-SA	29	54	26-5/8	58-3/4	38-1/8	17-1/8		33-3/4	4-5/8	32-7/8	2" NPT	129.85
HCT-R9-SA	29	74	33-7/8	85-1/2	57-1/2	18-1/2	2-1/2	33-3/4	4-5/8	32-7/8		154.85

¹. Dimensional data provided for informational purposes and is rounded to nearest 1/8"

Dimensional Data¹

BUFFER TANK, DIRECT TO LOAD (3-Pipe)(HCT-R_-D)

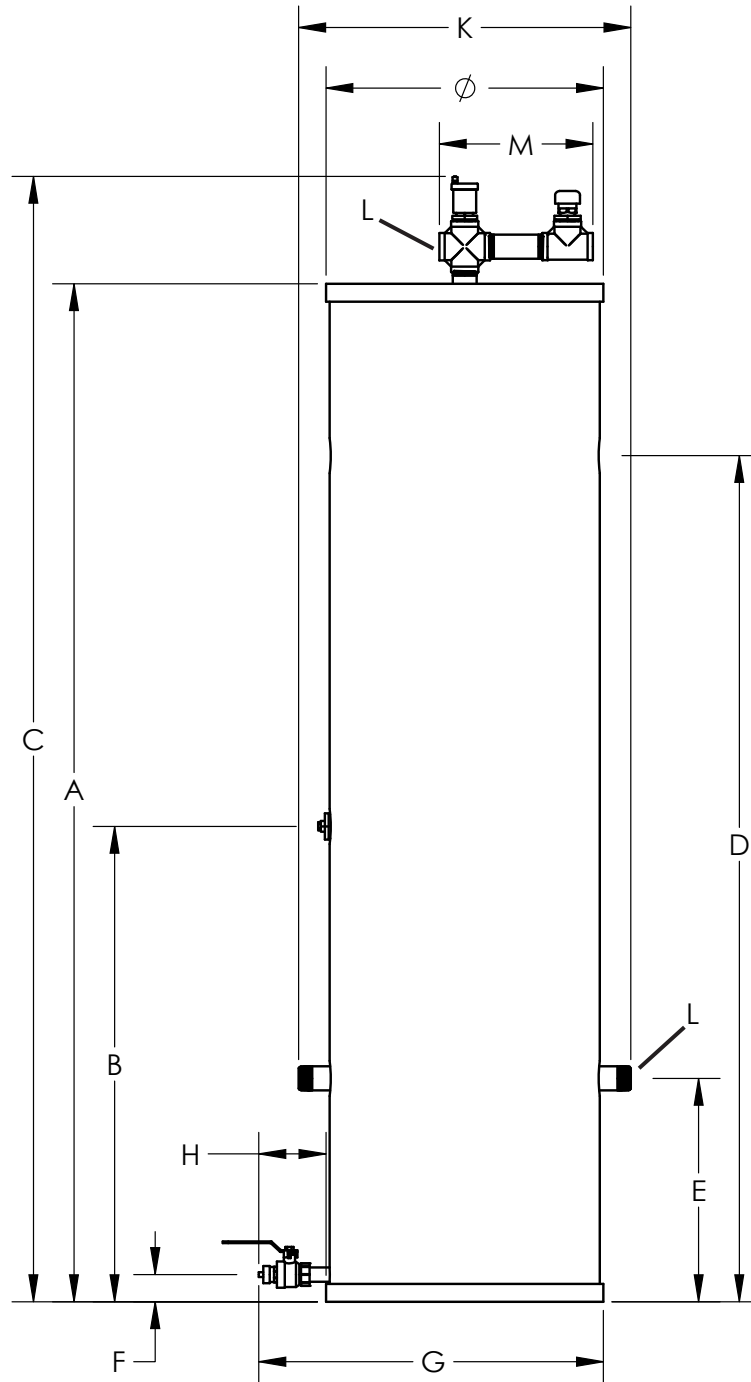


MODEL PN	DIAMETER Ø	A	B	C	D	E	F	G	H	K	L	Weight (Lbs)
HCT-R2-D	21	35	NA	40	24	14	1-7/8	24	3-3/4	25	1-1/4" NPT	48.5
HCT-R4-D	21	56	26	62-1/2	41-1/2	15-5/8		24	4-5/8	23-1/8		56.75
HCT-R5-D	21	73	33-1/4	77-1/2	59	15-5/8		24	4-5/8	23-1/8		76.75
HCT-R8-D	29	54	26-5/8	59-1/2	38-1/8	17-1/8	2-1/2	33-3/4	4-5/8	32-7/8	2" NPT	129.25
HCT-R9-D	29	74	33-7/8	82-1/8	57-1/2	18-1/2		33-3/4	4-5/8	32-7/8		154.25

¹.Dimensional data provided for informational purposes and is rounded to nearest 1/8"

Dimensional Data¹

BUFFER TANK, DIRECT TO LOAD WITH AIR VENT (3-Pipe) (HCT-R_-DA)



MODEL PN	DIAMETER Ø	A	B	C	D	E	F	G	H	K	L	M	Weight (Lbs)
HCT-R2-DA	21	35	NA	41	24	14	1-7/8	24	3-3/4	23-1/8	1-1/4" NPT	10-3/4	50.7
HCT-R4-DA	21	56	26	63-1/2	41-1/2	15-1/2		24	4-5/8	23-1/8			58.8
HCT-R5-DA	21	73	33-1/4	78-1/2	59	15-5/8		24	4-5/8	23-1/8			78.8
HCT-R8-DA	29	54	26-5/8	60-1/2	38-1/8	17-1/8	2-1/2	33-3/4	4-5/8	32-7/8	2" NPT		133
HCT-R9-DA	29	74	33-7/8	83-1/8	57-1/2	18-1/2		33-3/4	4-5/8	32-7/8			158

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Available Hardware/Replacement Parts

	PN	DESCRIPTION	U.O.M
ALL MODELS	SFB52	BUSHING, 1-1/4" x 1/2", 304 SS	EACH
	BV4-4F3GH-LF	VALVE, 1" FPT X HOSE W/ CAP, LF BRASS	EACH
	4695	VACUUM BREAKER, 1/2" MPT	EACH
	4697***	AUTO AIR VENT, 1/2" FPT AND 3/4" NPT	EACH
	5230	THREAD SEAL TAPE, SS, 1/2" X 250" ROLL	EACH
	5231	THREAD SEAL COMPOUND, SS, 2 OZ	EACH
	5232	HEAT TRANSFER PASTE, 1 GRAM	EACH
	5293	SENSOR, NTC 10K-2 THERMISTOR, 0.24 DIA 4" SS PROBE, 6.5' CABLE	EACH
	THW-3-BR**	THERMOWELL, 1/2" MPT X 3" INSERTION, BRASS	EACH
	1-1/4" R2/R4/R5	SFB52	BUSHING, 1-1/4" x 1/2", 304 SS
SFB53		BUSHING, 1-1/4" x 3/4", 304 SS	EACH
SFT5		TEE, 1-1/4", 304 SS	EACH
SFCR5		CROSS, 1-1/4", 304 SS	EACH
SFPL5		PLUG, 1-1/4" 304 SS	EACH
SFN5X05		NIPPLE, 1-1/4" X 5" LONG, 304 SS	EACH
SFU5		UNION, 1-1/4" FPT, 304 SS	EACH
5233		1-1/4" SQUARE PLUG TOOL	EACH
2" R8/R9	SFB82	BUSHING, 2" x 1/2", 304 SS	EACH
	SFB83	BUSHING, 2" x 3/4", 304 SS	EACH
	SFB85	BUSHING, 2" x 1-1/4", 304 SS	EACH
	SFT8	TEE, 2", 304 SS	EACH
	SFCR8	CROSS, 2" 304 SS	EACH
	SFPL8	PLUG, 2", 304 SS	EACH
	SFN8X05	NIPPLE, 2" X 5" LONG, 304 SS	EACH
	SFU8	UNION, 2" FPT, 304 SS	EACH
	5234	2" SQUARE PLUG TOOL	EACH

**NOT INCLUDED WITH HCT-R2 VERSIONS

***NOT INCLUDED WITH HCT-R_D VERSIONS