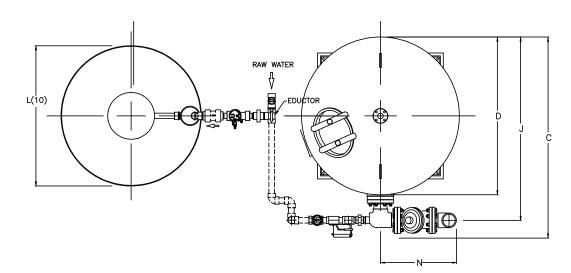
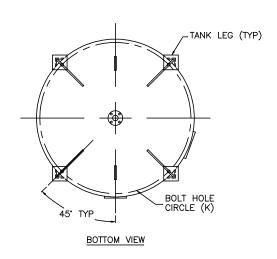
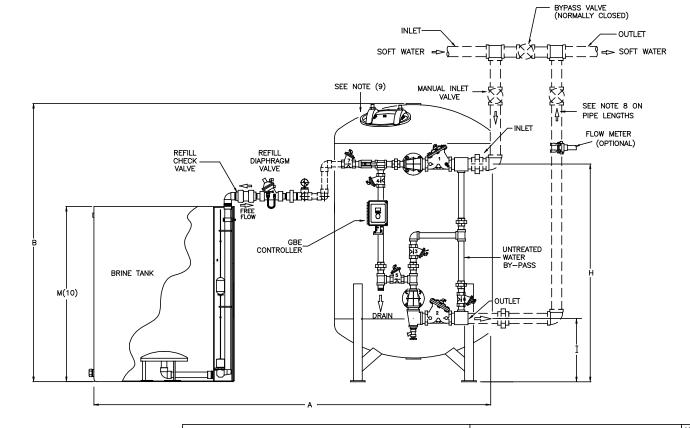
- (1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.
- (2) ALL DIMENSIONS ARE  $\pm$  1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.
- (3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF HARNESS TO FACILITATE SERVICING.
- (4) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM. THE USE OF NONCONDUCTIVE (DIELECTRIC) FITTINGS MAY REDUCE GALVANIC CORROSION.
- (5) AN ELECTRICAL OUTLET SHOULD BE PROVIDED WITHIN FIVE FEET OF THE EQUIPMENT LOCATION.
- (6) ALLOW A MINIMUM OF 24 INCHES ABOVE SOFTENER FOR FILLING.
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- (10) BRINE TANK DIMENSIONS SHOWN ARE FOR THE BRINE TANK MOST COMMONLY SELECTED FOR USE WITH THIS SIZE SYSTEM

				_	DIM	ENSIONS (INCH	IES)									UNII DA	IA PER IANK					
				TANIZ	CIDE	INI ET /OUTI ET	DDAIN	FLOOR TO	ELOOP TO	BACK TO				INLET/	MAX. CAPACITY	1	CONTINUOUS		DDAIN	MIN. DRAIN	CIMPLEY	SIMPLEX
	WIDTH	HEIGHT				INLET/OUTLET PIPE SIZES	SIZE			INLET/OUTLET		DIA.	HEIGHT	OFFSET	KGR @ SALT	RESIN VOLUME			1			
MODEL	Α	В	С	D	E	F	G	Н	I	J	K	L(10)	M(10)	N	DOSAGE	ft <sup>3</sup>	drop	drop	gpm	IN.	lbs.	lbs.
HS-1203	129	93	60.5	48	60	3.0	1.5	73.25	20.6	55.0	45.7	48	60	18.75	1200 @ 600	40	150 @ 8	230 @ 15	60	2.0	12800	5800
HS-1503	135	96	66.5	54	60	3.0	1.5	78.5	21.7	61.0	51.7	48	60	18.75	1500 @ 750	50	160 <b>@</b> 7	230 @ 14	70	2.0	15400	7400







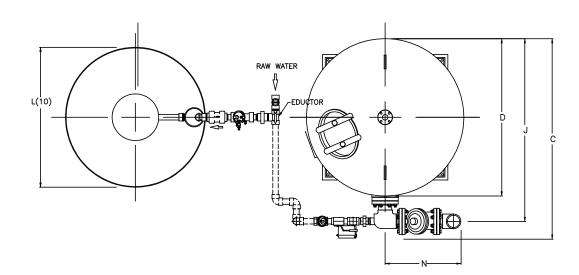
	DO NOT SCALE DRAW TOLERANCES: ±1/8" UNLESS O		WISE	NOTED	Culligan® ENGINEERED SYSTEMS
et.	Change	Ву	App	Date	FNGINFFRFD OSYSTEMS
					ROSEMONT, ILLINOIS
					PRINT AND BILL OF MATERIAL ARE NOT
					TO BE USED WITHOUT THE WRITTEN
					CONSENT OF CULLIGAN INTERNATIONAL CO.

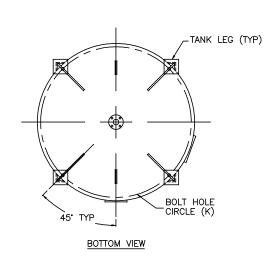
NAME HI-FLO 50 SOFTENERS
MODELS - 1203 & 1503
TECHNICAL DATA SHEET

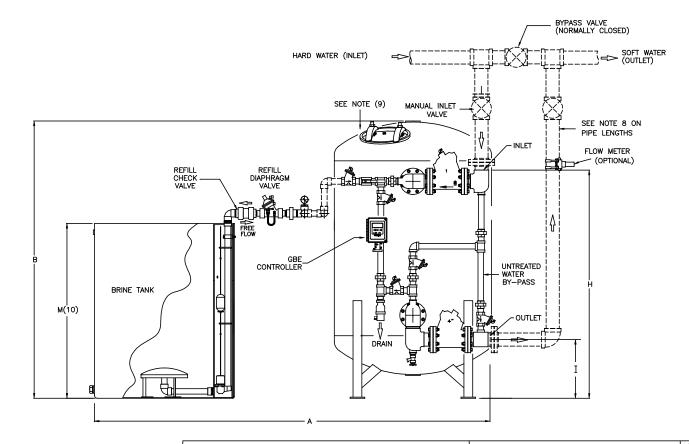
DETAILED BY: APP. BY: SHEET KMR 12/17/07 KSR 01/12/10 1 OF 1 REF. NO. PART NO. O. HF-50-3\_TECH\_SNG

- (1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.
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					DIM	ENSIONS (INCH	ES)									UNIT DA	TA PER TANK					
				TANK	SIDE-	INLET/OUTLET	DRAIN	FLOOR TO	FLOOR TO	BACK TO	BOLT HOLE			INLET/ OUTLET	MAX. CAPACITY	RESIN	CONTINUOUS FLOW		DRAIN	MIN. DRAIN	SIMPLEX	SIMPLEX
	WIDTH	HEIGHT	DEPTH	DIA.	SHELL	PIPÉ SIZES	SIZE	INLET	OUTLET	INLET/OUTLET	CIRCLE	DIA.	HEIGHT	OFFSET	KGR @ SALT	VOLUME	gpm @ psi	gpm @ psi	FLOW	PIPE SIZE	OPER. WT.	SHIP. WT.
MODEL	Α	В	С	D	E	F	G	Н	I	J	K	L(10)	M(10)	N	DOSAGE	ft <sup>3</sup>	drop	drop	gpm	IN.	lbs.	lbs.
HS-1504	135	96	69	54	60	4.0	1.5	78.5	20.0	63.0	51.7	48	60	26	1500 @ 750	50	190 @ 6	320 @ 15	70	2.0	15800	7800
HS-2004	153	99	76	60	60	4.0	1.5	79.5	21.3	69.68	57.63	60	60	26	2000 @ 1005	67	240 @ 7	400 @ 18	90	2.0	20900	9600







	DO NOT SCALE DRAW TOLERANCES: ±1/8" UNLESS O		WISE	NOTED	Culligan® ENGINEERED SYSTEMS
Let.	Change	Ву	Арр	Date	FNGINFERED SYSTEMS
					ROSEMONT. ILLINOIS
					PRINT AND BILL OF MATERIAL ARE NOT
					TO DE LICED WITHOUT THE WOITTEN

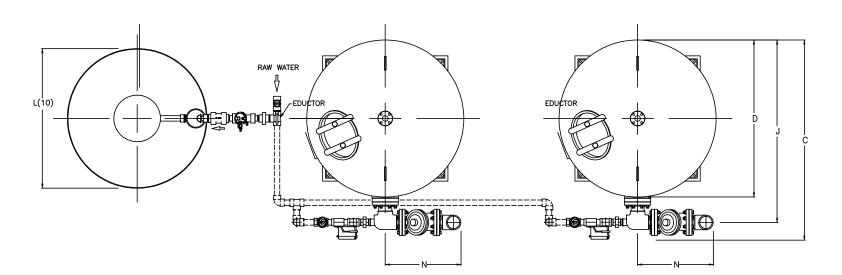
PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.

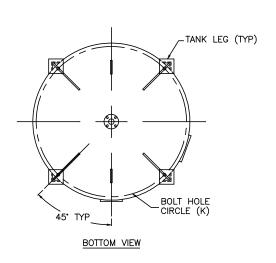
HI-FLO 50 SOFTENERS MODELS - 1504 & 2004 TECHNICAL DATA SHEET

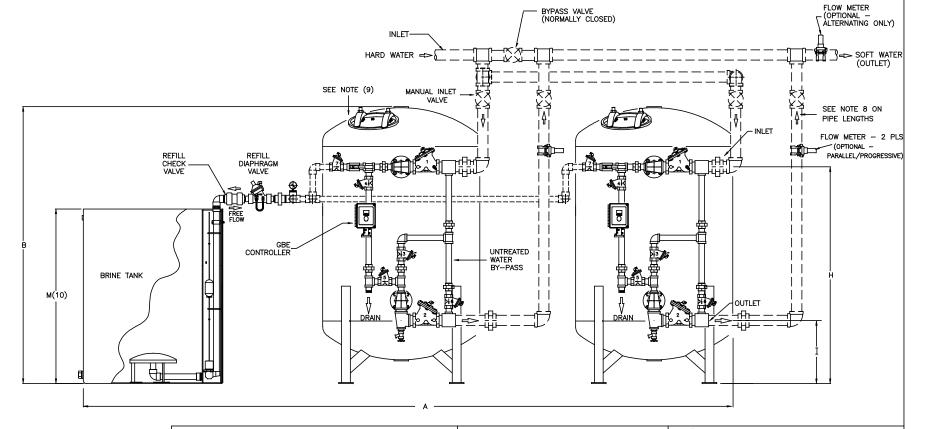
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KMR	12/17/07	KSR	01/12/10	1 OF 1
REF. N	10.	PART	NO.	
		HF-	-50-4 TF	CH S

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		DIMENSIONS (INCHES)  TANK SIDE— INLET/OUTLET DRAIN FLOOR TO FLOOR TO BACK TO HOLE TANK TANK OUT														UNIT DA	TA PER TANK					
						, , , , , , , , , , , , , , , , , , , ,											CONTINUOUS					
																RESIN	FLOW			MIN. DRAIN		
	WIDTH	HEIGHT	DEPTH	DIA.	SHELL	PIPE SIZES	SIZE	INLET	OUTLET	INLET/OUTLET	CIRCLE	DIA.	HEIGHT	OFFSET	KGR @ SALT	VOLUME	gpm @ psi	gpm @ psi	FLOW	PIPE SIZE	OPER. WT.	SHIP. WT.
MODEL	Α	В	С	D	E	F	G	Н	I	J	K	L(10)	M(10)	N	DOSAGE	ft <sup>3</sup>	drop	drop	gpm	IN.	lbs.	lbs.
HS-1203	205	93	60.5	48	60	3.0	1.5	73.25	20.6	55.0	45.7	48	60	18.75	1200 @ 600	40	150 @ 8	230 @ 15	60	2.0	23200	11400
HS-1503	217	96	66.5	54	60	3.0	1.5	78.5	21.7	61.0	51.7	48	60	18.75	1500 <b>©</b> 750	50	160 @ 7	230 @ 14	70	2.0	28400	14600







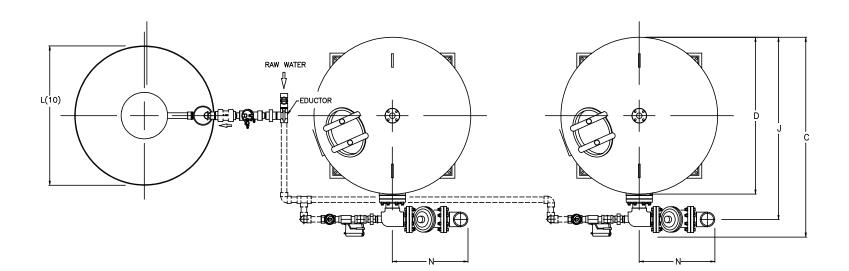
	DO NOT SCALE DRAV TOLERANCES: ±1/8" UNLESS O		WISE	NOTED	Culligan® ENGINEERED SYSTEMS
.et.	Change	Ву	Арр	Date	FNGINFERED SYSTEMS
					ROSEMONT, ILLINOIS
					PRINT AND BILL OF MATERIAL ARE NOT
					TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.

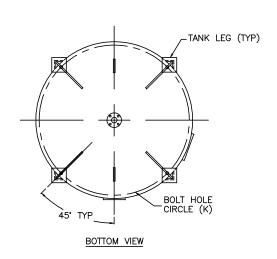
NAME HI-FLO 50 SOFTENERS
MODELS - 1203 & 1503
TECHNICAL DATA SHEET

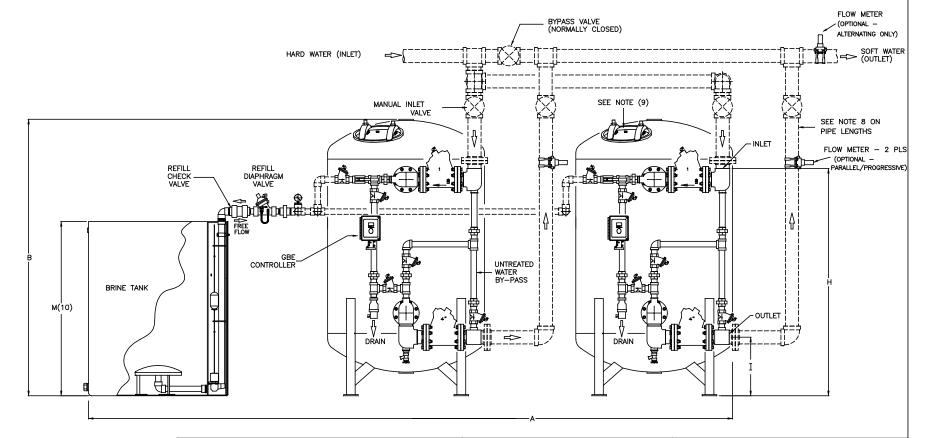
DETAILED BY: APP. BY: SHEET KMR 12/17/07 KSR 01/11/10 1 OF 1 REF. NO. PART NO. HF—50—3\_TECH\_DUP

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					DIM	ENSIONS (INCH	IES)									UNIT DA	TA PER TANK	•				
MODEL	WIDTH	HEIGHT B				INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET		BACK TO INLET/OUTLET	BOLT HOLE CIRCLE K	TANK DIA.	TANK	INLET/ OUTLET OFFSET N	MAX. CAPACITY KGR @ SALT DOSAGE	RESIN	CONTINUOUS FLOW gpm @ psi drop	FLOW		MIN. DRAIN PIPE SIZE IN.		DUPLEX SHIP. WT.
	017			5.	-		<u> </u>	70.5	-	07.0		. ,	<b></b>						31			
HS-1504	217	96	69	54	60	4.0	1.5	78.5	20.0	63.0	51.7	48	60	26	1500 @ 750	50	190 @ 6	320 @ 15	70	2.0	29500	15400
HS-2004	241	99	76	60	60	4.0	1.5	79.5	21.3	69.68	57.63	60	60	26	2000 @ 1005	67	240 @ 7	400 @ 18	90	2.0	37800	18900







	DO NOT SCALE DRAY TOLERANCES: ±1/8" UNLESS O		WISE	NOTED	Culligan® ENGINEERED SYSTEMS
Let.	Change	Ву	Арр	Date	ENGINEERED SYSTEMS
					ROSEMONT, ILLINOIS
					PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN
					CONSENT OF CULLIGAN INTERNATIONAL CO.

HI-FLO 50 SOFTENERS
MODELS - 1504 & 2004
TECHNICAL DATA SHEET

DETAILED BY: APP. BY: SHEET

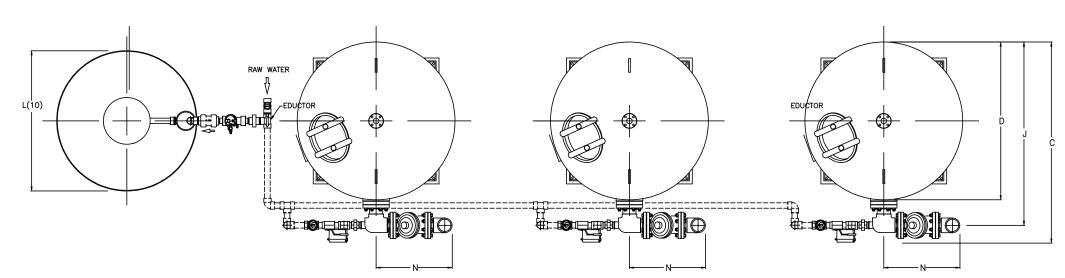
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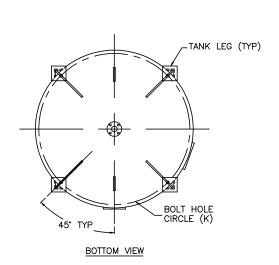
REF. NO. PART NO.

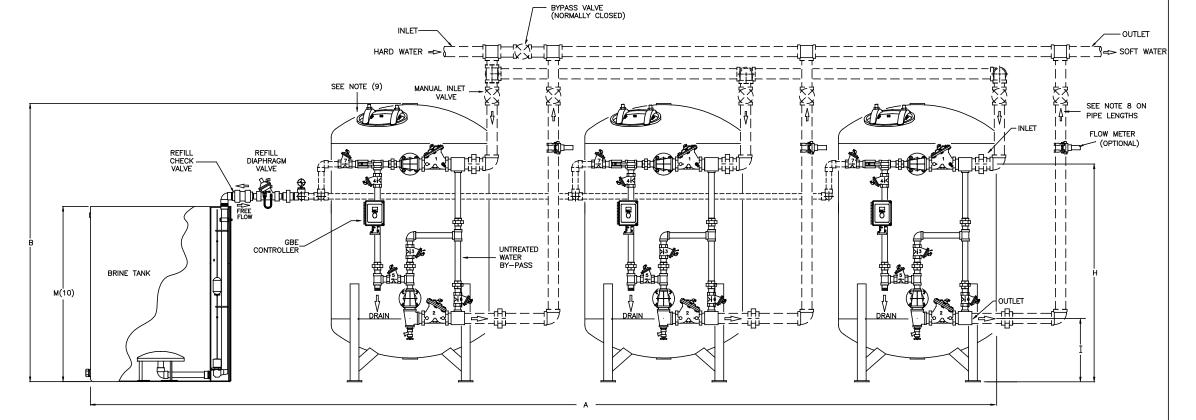
HF-50-4\_TECH\_DUP

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					DIM	ENSIONS (INCH	ES)									UNIT DAT	TA PER TANK					
											BOLT	BRINE	BRINE	INLET/	MAX.		CONTINUOUS	PEAK				
				TANK	SIDE-	INLET/OUTLET	DRAIN	FLOOR TO	FLOOR TO	BACK TO	HOLE	TANK	TANK	OUTLET	CAPACITY	RESIN	FLOW	FLOW	DRAIN	MIN. DRAIN	TRIPLEX	TRIPLEX
	WIDTH	HEIGHT	DEPTH	DIA.	SHELL	PIPE SIZES	SIZE	INLET	OUTLET	INLET/OUTLET	CIRCLE	DIA.	HEIGHT	OFFSET	KGR @ SALT	VOLUME	gpm @ psi	gpm @ psi	FLOW	PIPE SIZE	OPER. WT.	SHIP. WT.
MODEL	Α	В	С	D	E	F	G	Н	I	J	K	L(10)	M(10)	N	DOSAGE	ft <sup>3</sup>	drop	drop	gpm	IN.	lbs.	lbs.
HS-1203	281	93	60.5	48	60	3.0	1.5	73.25	20.6	55.0	45.7	48	60	18.75	1200 <b>©</b> 600	40	150 @ 8	230 @ 15	60	2.0	33600	17000
HS-1503	299	96	66.5	54	60	3.0	1.5	78.5	21.7	61.0	51.7	48	60	18.75	1500 <b>©</b> 750	50	160 @ 7	230 @ 14	70	2.0	41400	21800







	DO NOT SCALE DRAY TOLERANCES: ±1/8" UNLESS O		WISE	NOTED
Let.	Change	Ву	Арр	Date

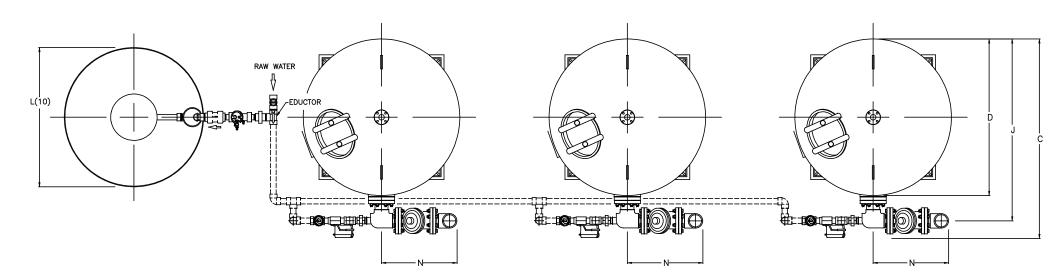
Culligan®
ENGINEERED SYSTEMS
ROSEMONT, ILLINOIS

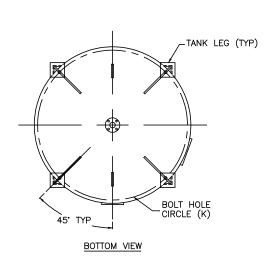
PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO MODELS — 1203 & 1503 TECHNICAL DATA SHEET

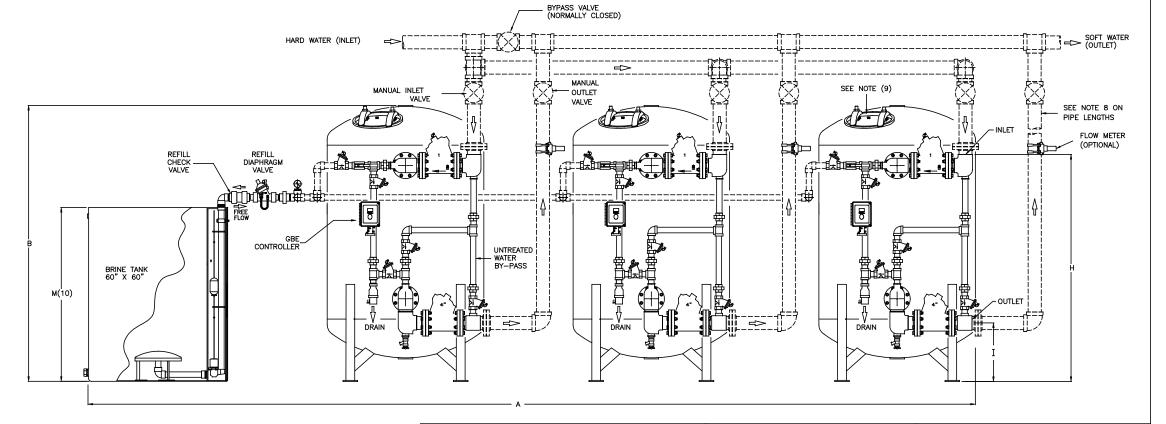
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	REF. N	10.	PART	NO.		_
).			HF-	-50-3_TE	CH_TRI	

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	DIMENSIONS (INCHES)													UNIT DAT	A PER TANK							
MODEL	WIDTH	HEIGHT B				INLET/OUTLET PIPE SIZES F	DRAIN SIZE G			BACK TO INLET/OUTLET J	HOLE	TANK DIA.	TANK			RESIN	CONTINUOUS FLOW gpm @ psi drop	FLOW		MIN. DRAIN PIPE SIZE IN.		
HS-1504	299	96	69	54	60	4.0	1.5	78.5	20.0	63.0	51.7	48	60	26	1500 <b>@</b> 750	50	190 @ 6	320 @ 15	70	2.0	43200	23000
HS-2004	329	99	76	60	60	4.0	1.5	79.5	21.3	69.68	57.63	60	60	26	2000 <b>@</b> 1005	67	240 @ 7	400 @ 18	90	2.0	54700	28200







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Let.	Change	Ву	Арр	Date

Culligan®

ENGINEERED SYSTEMS

ROSEMONT, ILLINOIS

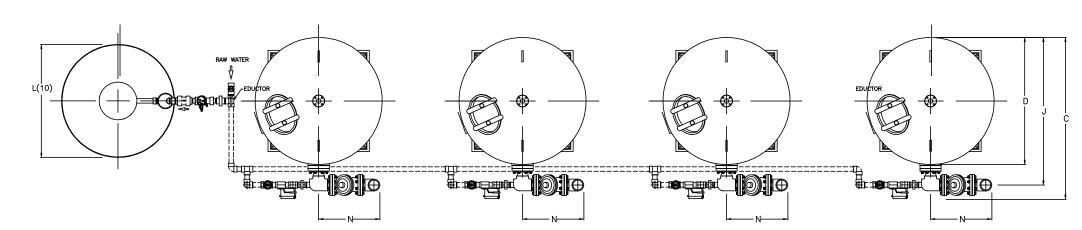
PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.

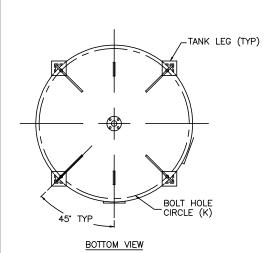
HI-FLO 50 SOFTENERS MODELS - 1504 & 2004 TECHNICAL DATA SHEET

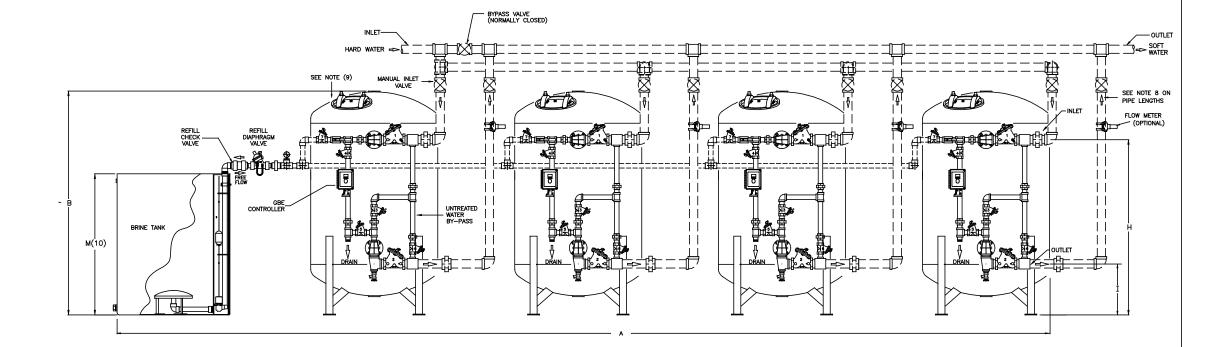
DETAILED BY: APP. BY: SHEET KMR 12/17/07 KSR 01/12/10 1 0F 1 REF. NO. PART NO. HF-50-4\_TECH\_TRI

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	DIMENSIONS (INCHES)													UNIT DATA PER TANK								
MODEL	WIDTH	HEIGHT				INLET/OUTLET PIPE SIZES		FLOOR TO		BACK TO INLET/OUTLET	HOLE	TANK DIA.	TANK	l	MAX. CAPACITY KGR @ SALT DOSAGE	RESIN	CONTINUOUS FLOW gpm @ psi drop	FLOW		MIN. DRAIN PIPE SIZE IN.		
	-				_	'	<u> </u>	- ''	-		10	<b></b>	<b></b>						31			
HS-1203	357	93	60.5	48	60	3.0	1.5	73.25	20.6	55.0	45.7	48	60	18.75	1200 @ 600	40	150 @ 8	230 @ 15	60	2.0	44000	23200
HS-1503	381	96	66.5	54	60	3.0	1.5	78.5	21.7	61.0	51.7	48	60	18.75	1500 @ 750	50	160 <b>@</b> 7	230 @ 14	70	2.0	54400	29600







	DO NOT SCALE DRAY TOLERANCES: ±1/8" UNLESS O		WISE	NOTED
Let.	Change	Ву	App	Date

Culligan®
ENGINEERED SYSTEMS
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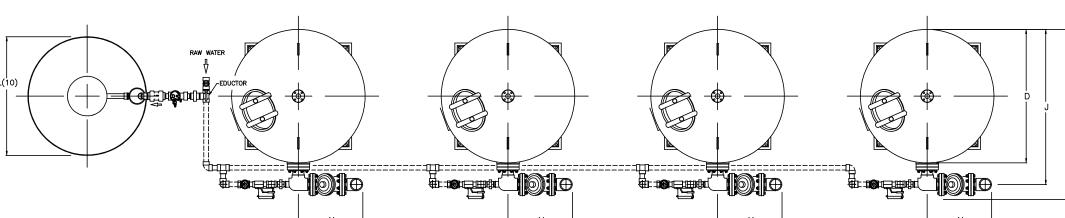
PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.

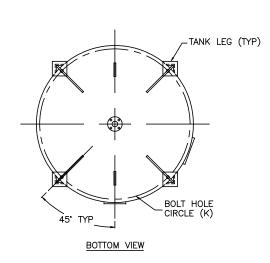
HI-FLO 50 SOFTENERS MODELS - 1203 & 1503 TECHNICAL DATA SHEET

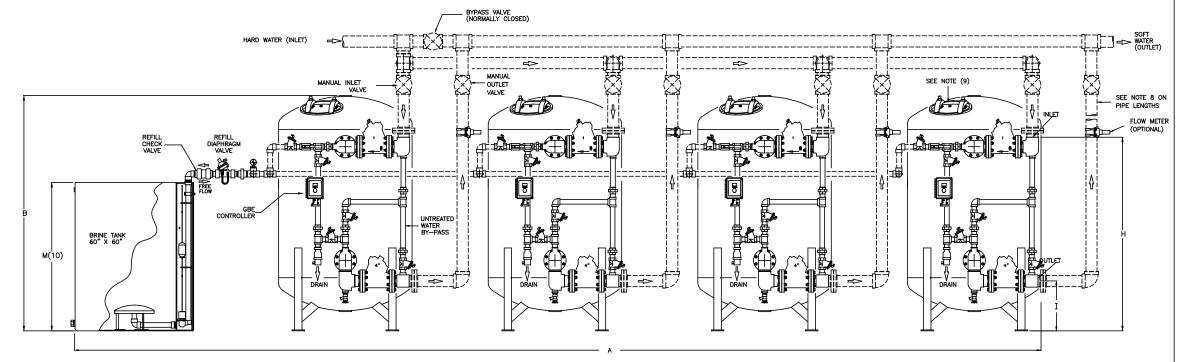
_	DET	AILED BY:		APP. BY:	SHEET						
KM	R	12/17/07	KSR	01/12/10	1 OF 1						
RE	F. N	0.	PART	PART NO.							
	HF-50-3_TECH_QUAD										

- (1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.
- (2) ALL DIMENSIONS ARE  $\pm$  1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.
- (3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF HARNESS TO FACILITATE SERVICING.
- (4) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM. THE USE OF NONCONDUCTIVE (DIELECTRIC) FITTINGS MAY REDUCE GALVANIC CORROSION.
- (5) AN ELECTRICAL OUTLET SHOULD BE PROVIDED WITHIN FIVE FEET OF THE EQUIPMENT LOCATION.
- (6) ALLOW A MINIMUM OF 24 INCHES ABOVE SOFTENER FOR FILLING.
- (7) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.
- (8) WHEN USING A WATER METER, THERE MUST BE A MINIMUM AMOUNT OF STRAIGHT PIPE BEFORE AND AFTER THE SENSOR. REFER TO THE INSTALLATION INSTRUCTIONS FOR DETAILS.
- (9) ACCESS OPENINGS SHOWN ON TANK ARE FOR REFERENCE ONLY. QUANTITY, TYPE AND PLACEMENT ARE DEPENDENT ON TANK SIZE.
- (10) BRINE TANK DIMENSIONS SHOWN ARE FOR THE BRINE TANK MOST COMMONLY SELECTED FOR USE WITH THIS SIZE SYSTEM

	DIMENSIONS (INCHES)												UNIT DAT	TA PER TANK								
	WIDTH	HEIGHT				INLET/OUTLET PIPE SIZES	DRAIN SIZE	FLOOR TO INLET		BACK TO INLET/OUTLET	HOLE	TANK	TANK	INLET/ OUTLET OFFSET		RESIN	CONTINUOUS FLOW gpm @ psi	FLOW		MIN. DRAIN PIPE SIZE		TRIPLEX SHIP. WT.
MODEL	A	В	С	D	Ε	F	G	Н	I	J	к	L(10)	M(10)	N	DOSAGE	ft <sup>3</sup>	drop	drop	gpm	IN.	lbs.	lbs.
HS-1504	381	96	69	54	60	4.0	1.5	78.5	20.0	63.0	51.7	48	60	26	1500 <b>©</b> 750	50	190 @ 6	320 @ 15	70	2.0	56900	31200
HS-2004	417	99	76	60	60	4.0	1.5	79.5	21.3	69.68	57.63	60	60	26	2000 @ 1005	67	240 @ 7	400 @ 18	90	2.0	71600	38400







	DO NOT SCALE DRAW TOLERANCES: ±1/8" UNLESS O		WISE	NOTED
Let.	Change	Ву	App	Date

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				APP. BY:								
	KMR	12/17/07	KSR	01/12/10	1 OF 1							
	REF.	NO.	PART I	٧٥.								
0.			HF-5	0-4_TEC	H_QUAD							