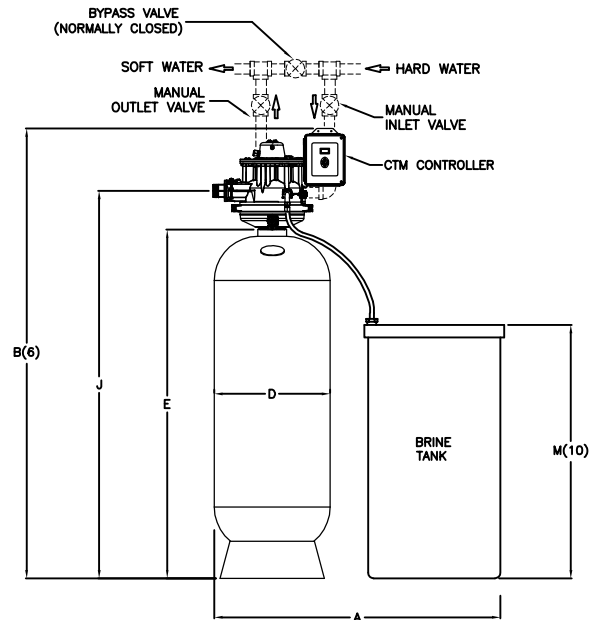
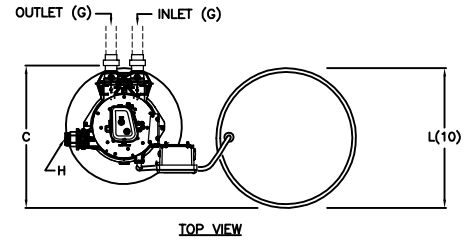


NOTES:

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- (2) ALL DIMENSIONS ARE ±1" (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.
- (3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE 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) A TEN FOOT POWER CORD (LONGER LENGTHS AVAILABLE) AND WALL MOUNT TRANSFORMER ARE PROVIDED. THE CUSTOMER SHOULD PROVIDE A RECEPTACLE, PREFERABLE ONE NOT CONTROLLED BY A SWITCH THAT CAN BE TURNED OFF ACCIDENTALLY, OBSERVE THE LOCAL ELECTRICAL CODES.
- (6) ALLOW 6-12 INCHES BEHIND THE UNIT FOR PLUMBING AND DRAIN LINES AND 12 INCHES ABOVE OVERALL HEIGHT FOR SERVICE ACCESS AND FILLING THE SALT CONTAINER.
- (7) SYSTEM USES FRP TANKS WHICH MUST NOT BE SUBJECTED TO VACUUM CONDITIONS. SYSTEM CONTROL VALVE DESIGN HAS INTEGRATED VACUUM BREAKER TO PREVENT SUCH CONDITIONS WHICH SHOULD NOT BE REMOVED DURING OPERATION.
- (8) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST TWO TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.
- (9) BRINE TANK DIMENSIONS SHOWN ARE FOR THE BRINE TANK MOST COMMONLY SELECTED FOR USE WITH THIS SIZE SYSTEM.
- (10) SHIPPING AND OPERATING WEIGHTS SHOWN ON THIS DRAWING INCLUDE THE BRINE SYSTEM.

MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK							
	WIDTH A	HEIGHT B(6)	DEPTH C	TANK DIA. D	TANK HEIGHT E	INLET OUTLET PIPE SIZES G	DRAIN SIZE H	FLOOR TO INLET J	BRINE TANK DIA. L(10)	BRINE TANK HEIGHT M(10)	MAX. CAPACITY KGR ● SALT DOSAGE	RESIN VOLUME ft ³	CONTINUOUS FLOW gpm ● 15 psi drop	PEAK FLOW gpm ● 25 psi drop	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	SIMPLEX OPER. WT. lbs.	SIMPLEX SHIP. WT. lbs.
CTM-60 HWB NHWB MT	43	65.5	19.6	14	47	2.0	1.5	54	24	40	60 ● 30	2	51	69	3.5	0.75	855	257
CTM-90 HWB NHWB MT	50	73.5	19.6	16	55	2.0	1.5	62	24	40	90 ● 45	3	57	75	5	1.0	1245	355
CTM-120 HWB NHWB MT	50	84.7	19.6	16	66.2	2.0	1.5	73.3	24	40	120 ● 60	4	55	72.5	8	1.0	1380	415
CTM-150 HWB NHWB MT	52	85.4	19.6	18	67	2.0	1.5	74	24	40	150 ● 75	5	59	76	8	1.0	1575	505
CTM-210 HWB NHWB MT	55	88.5	21.5	21	67	2.0	1.5	77	24	50	210 ● 105	7	65	85	8	1.0	2075	660
CTM-300 HWB NHWB MT	58	94	24	24	75.5	2.0	1.5	82.6	24	50	300 ● 150	10	70	95	15	1.25	2675	835
CTM-450 HWB NHWB MT	69	95.1	30	30	76.6	2.0	1.5	83.6	30	50	450 ● 225	15	76	104	25	1.5	3480	1320
CTM-600 HWB NHWB MT	83	93.5	39	36	75.2	2.0	1.5	82.2	39	48	600 ● 300	20	N/A	N/A	30	1.5	5531	1776



DO NOT SCALE DRAWING
TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED

Let.	Change	By	App	Date

Culligan®
ENGINEERED SYSTEMS
ROSEMONT, ILLINOIS

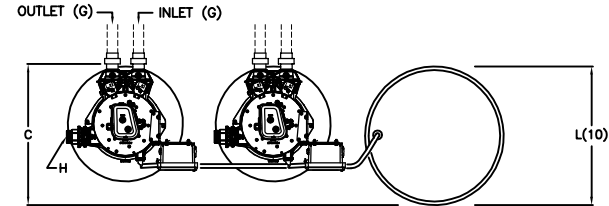
PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.

NAME CTM 2.0" METERED DOWN FLOW AND UP FLOW AUTOMATIC SOFTENER SINGLE TECHNICAL DATA SHEET			
DETAILED BY: MKM 8/04/15	APP. BY: LW 8/18/15	SHEET 1 OF 1	
REF. NO.	PART NO.	DRW-2125	

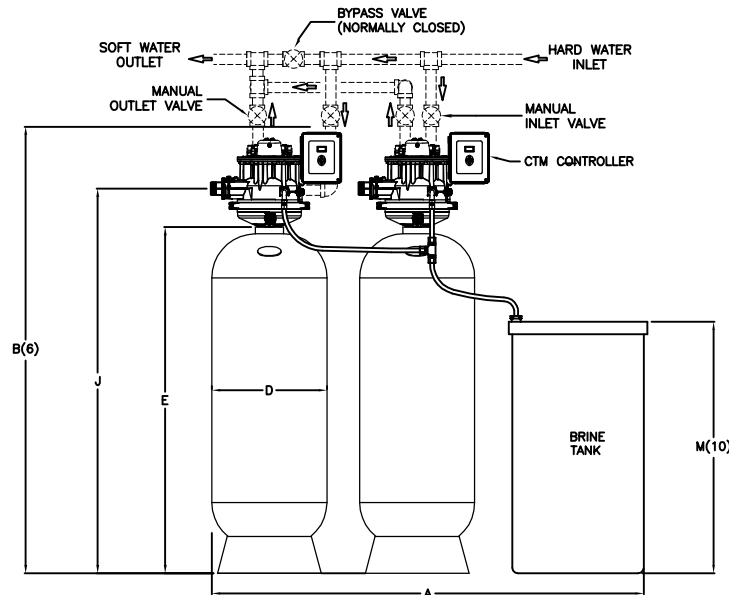
NOTES:

- (1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.
- (2) ALL DIMENSIONS ARE $\pm 1"$ (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.
- (3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE 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.
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- (6) ALLOW 6-12 INCHES BEHIND THE UNIT FOR PLUMBING AND DRAIN LINES AND 12 INCHES ABOVE OVERALL HEIGHT FOR SERVICE ACCESS AND FILLING THE SALT CONTAINER.
- (7) SYSTEM USES FRP TANKS WHICH MUST NOT BE SUBJECTED TO VACUUM CONDITIONS. SYSTEM CONTROL VALVE DESIGN HAS INTEGRATED VACUUM BREAKER TO PREVENT SUCH CONDITIONS WHICH SHOULD NOT BE REMOVED DURING OPERATION.
- (8) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST TWO TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.
- (9) BRINE TANK DIMENSIONS SHOWN ARE FOR THE BRINE TANK MOST COMMONLY SELECTED FOR USE WITH THIS SIZE SYSTEM.
- (10) SHIPPING AND OPERATING WEIGHTS SHOWN ON THIS DRAWING INCLUDE THE BRINE SYSTEM.

MODEL	DIMENSIONS (INCHES)											UNIT DATA PER TANK					DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	DUPLEX OPER. WT. lbs.	DUPLEX SHIP. WT. lbs.
	WIDTH A	HEIGHT B(6)	DEPTH C	TANK DIA. D	TANK HEIGHT E	INLET PIPE SIZES F	INLET OUTLET PIPE SIZES G	DRAIN SIZE H	FLOOR TO INLET J	BRINE TANK DIA. L(10)	BRINE TANK HEIGHT M(10)	MAX. CAPACITY KGR \odot SALT DOSAGE	RESIN VOLUME ft ³	CONTINUOUS FLOW gpm \odot 15 psi drop	PEAK FLOW gpm \odot 25 psi drop					
CTM-60 HWB NHWB MT	69	65.5	19.6	14	47	1.5	2.0	1.5	54	24	40	60 \odot 30	2	51	69	3.5	0.75	1213	479	
CTM-90 HWB NHWB MT	76	73.5	19.6	16	55	1.5	2.0	1.5	62	24	40	90 \odot 45	3	57	75	5	1.0	1705	675	
CTM-120 HWB NHWB MT	79	84.7	19.6	16	66.2	1.5	2.0	1.5	73.3	24	40	120 \odot 60	4	55	72.5	8	1.0	1925	795	
CTM-150 HWB NHWB MT	80	85.4	19.6	18	67	1.5	2.0	1.5	74	24	40	150 \odot 75	5	59	76	8	1.0	2265	975	
CTM-210 HWB NHWB MT	82	88.5	21.5	21	67	1.5	2.0	1.5	77	24	50	210 \odot 105	7	65	85	8	1.0	2950	1270	
CTM-300 HWB NHWB MT	86	94	24	24	75.5	1.5	2.0	1.5	82.6	24	50	300 \odot 150	10	70	95	15	1.25	4010	1620	
CTM-450 HWB NHWB MT	106	95.1	30	30	76.6	1.5	2.0	1.5	83.6	30	50	450 \odot 225	15	76	104	25	1.5	5520	2570	
CTM-600 HWB NHWB MT	127	93.5	39	36	75.2	1.5	2.0	1.5	82.2	39	48	600 \odot 300	20	N/A	N/A	30	1.5	8271	3467	



TOP VIEW



DUPLIX INSTALLATION

DO NOT SCALE DRAWING TOLERANCES: $\pm 1/8"$ UNLESS OTHERWISE NOTED			
Let.	Change	By	Date

Culligan®
ENGINEERED SYSTEMS
 ROSEMONT, ILLINOIS

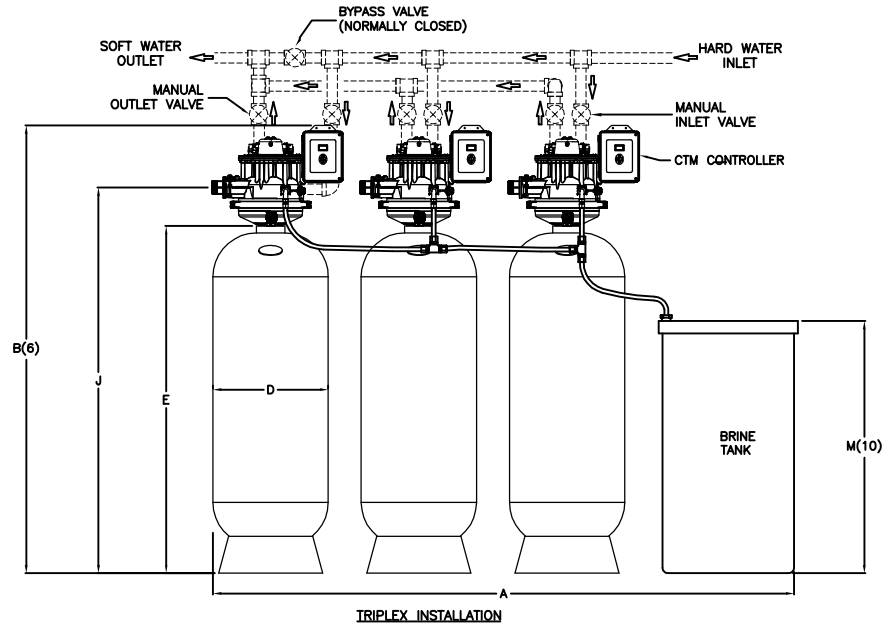
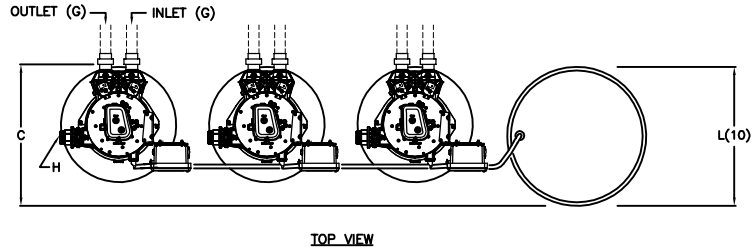
PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.

NAME CTM 2.0" METERED DOWN FLOW AND UP FLOW AUTOMATIC SOFTENER DUPLEX TECHNICAL DATA SHEET		
DETAILED BY: MKM	APP. BY: LW	SHEET 8/18/15 1 OF 1
REF. NO.	PART NO. DRW-2126	

NOTES:

- (1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.
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MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK								
	WIDTH A	HEIGHT B(6)	DEPTH C	TANK DIA. D	TANK HEIGHT E	INLET OUTLET PIPE SIZES F	INLET OUTLET PIPE SIZES G	DRAIN SIZE H	FLOOR TO INLET J	BRINE TANK DIA. L(10)	BRINE TANK HEIGHT M(10)	MAX. CAPACITY KGR @ SALT DOSAGE	RESIN VOLUME ft ³	CONTINUOUS FLOW gpm @ 15 psi drop	PEAK FLOW gpm @ 25 psi drop	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	TRIPLEX OPER. WT. lbs.	TRIPLEX SHIP. WT. lbs.
CTM-60 HWB NHWB MT	99	65.5	19.6	14	47	1.5	2.0	1.5	54	24	40	60 @ 30	2	51	69	3.5	0.75	1595	701
CTM-90 HWB NHWB MT	102	73.5	19.6	16	55	1.5	2.0	1.5	62	24	40	90 @ 45	3	57	75	5	1.0	2187	995
CTM-120 HWB NHWB MT	105	84.7	19.6	16	66.2	1.5	2.0	1.5	73.3	24	40	120 @ 60	4	55	72.5	8	1.0	2485	1175
CTM-150 HWB NHWB MT	108	85.4	19.6	18	67	1.5	2.0	1.5	74	24	40	150 @ 75	5	59	76	8	1.0	2976	1445
CTM-210 HWB NHWB MT	111	88.5	21.5	21	67	1.5	2.0	1.5	77	24	50	210 @ 105	7	65	85	8	1.0	4485	1880
CTM-300 HWB NHWB MT	116	94	24	24	75.5	1.5	2.0	1.5	82.6	24	50	300 @ 150	10	70	95	15	1.25	5310	2405
CTM-450 HWB NHWB MT	141	95.1	30	30	76.6	1.5	2.0	1.5	83.6	30	50	450 @ 225	15	76	104	25	1.5	7586	3820
CTM-600 HWB NHWB MT	167	93.5	39	36	75.2	1.5	2.0	1.5	82.2	39	48	600 @ 300	20	N/A	N/A	30	1.5	11163	5158



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Let.	Change	By	App	Date

Culligan®
ENGINEERED SYSTEMS
ROSEMONT, ILLINOIS

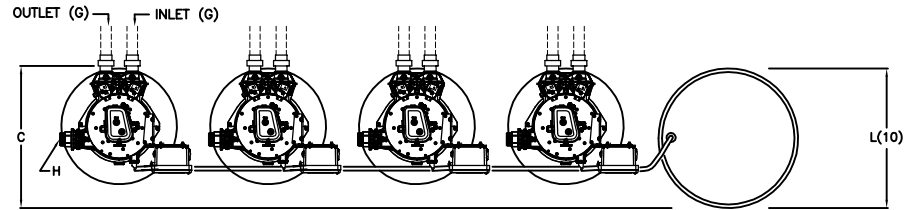
PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.

NAME: CTM 2.0" METERED DOWN FLOW AND UP FLOW AUTOMATIC SOFTENER TRIPLEX TECHNICAL DATA SHEET			
DETAILED BY: MKM	8/04/15	APP. BY: LW	8/18/15
REF. NO.		PART NO.	DRW-2127
SHEET 1 OF 1			

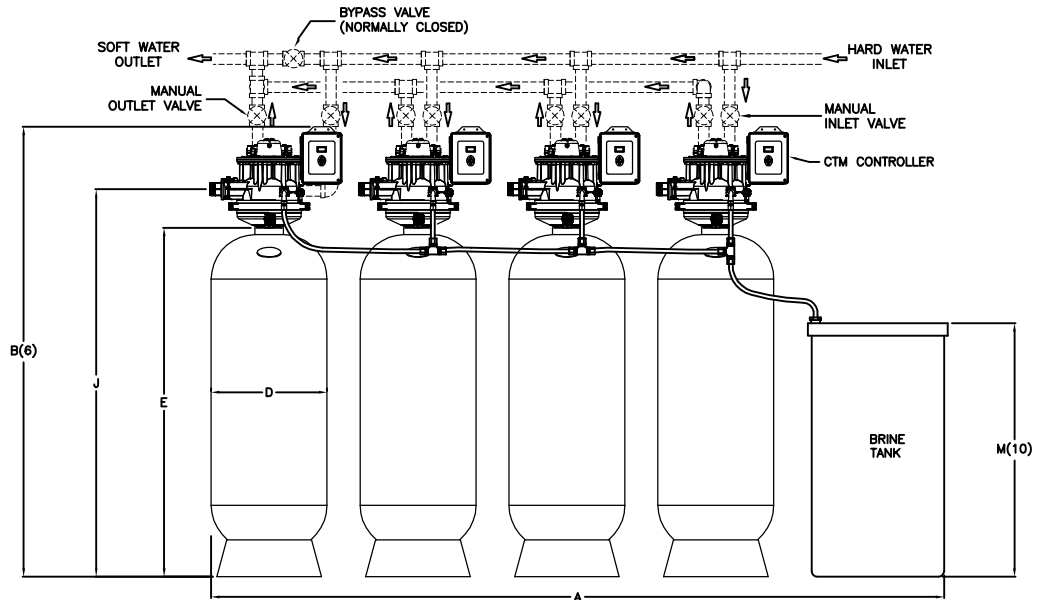
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MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK							
	WIDTH A	HEIGHT B(6)	DEPTH C	TANK DIA. D	TANK HEIGHT E	INLET OUTLET PIPE SIZES G	DRAIN SIZE H	FLOOR TO INLET J	BRINE TANK DIA. L(10)	BRINE TANK HEIGHT M(10)	MAX. CAPACITY KGR @ SALT DOSAGE	RESIN VOLUME ft ³	CONTINUOUS FLOW gpm @ 15 psi drop	PEAK FLOW gpm @ 25 psi drop	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	QUAD OPER. WT. lbs.	QUAD SHIP. WT. lbs.
CTM-60 HWB NHWB MT	121	65.5	19.6	14	47	2.0	1.5	54	24	40	60 @ 30	2	51	69	3.5	0.75	1973	923
CTM-90 HWB NHWB MT	128	73.5	19.6	16	55	2.0	1.5	62	24	40	90 @ 45	3	57	75	5	1.0	2686	1315
CTM-120 HWB NHWB MT	132	84.7	19.6	16	66.2	2.0	1.5	73.3	24	40	120 @ 60	4	55	72.5	8	1.0	3045	1590
CTM-150 HWB NHWB MT	136	85.4	19.6	18	67	2.0	1.5	74	24	40	150 @ 75	5	59	76	8	1.0	3687	1950
CTM-210 HWB NHWB MT	141	88.5	21.5	21	67	2.0	1.5	77	24	50	210 @ 105	7	65	85	8	1.0	5632	2540
CTM-300 HWB NHWB MT	146	94	24	24	75.5	2.0	1.5	82.6	24	50	300 @ 150	10	70	95	15	1.25	6604	3240
CTM-450 HWB NHWB MT	177	95.1	30	30	76.6	2.0	1.5	83.6	30	50	450 @ 225	15	76	104	25	1.5	9480	5140
CTM-600 HWB NHWB MT	209	93.5	39	36	75.2	2.0	1.5	82.2	39	48	600 @ 300	20	N/A	N/A	30	1.5	14444	6934



TOP VIEW



QUAD INSTALLATION

DO NOT SCALE DRAWING TOLERANCES: $\pm 1/8"$ UNLESS OTHERWISE NOTED			
Let.	Change	By	Date

Culligan®
ENGINEERED SYSTEMS
 ROSEMONT, ILLINOIS
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NAME: CTM 2.0" METERED DOWN FLOW AND UP FLOW AUTOMATIC SOFTENER QUAD TECHNICAL DATA SHEET		
DETAILED BY: MKM	APP. BY: LW	SHEET 1 OF 1
8/04/15	8/18/15	
REF. NO.	PART NO.	
		DRW-2128