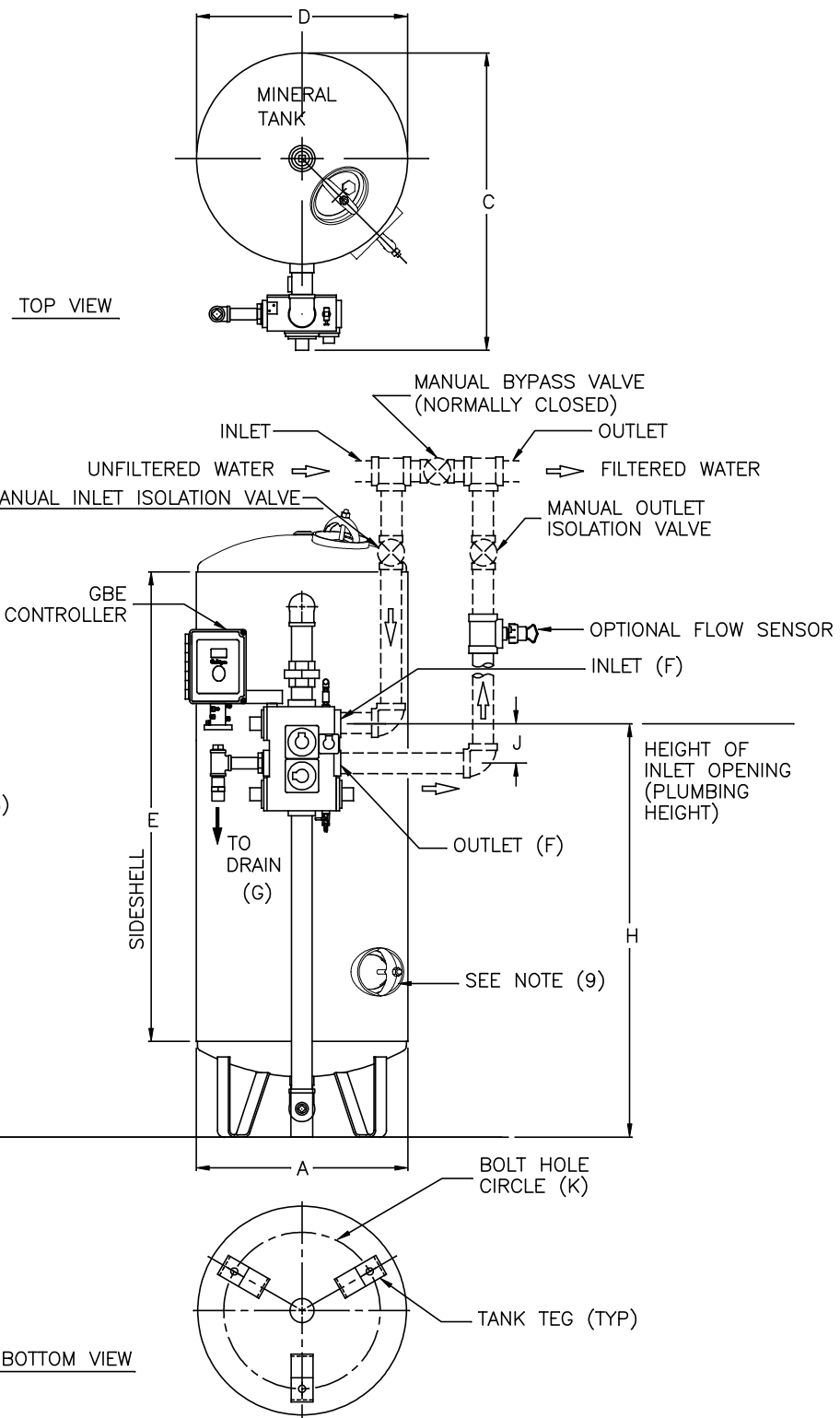


MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK							
	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE-SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	INLET TO OUTLET J	BOLT HOLE CIRCLE DIA. K	TASTE, ODOR, & ORGANICS REMOVAL FLOW gpm @ DP	DE-CHLORINATION FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER (8) IN.	SIMPLEX OPER. WT. lbs.	SIMPLEX SHIP. WT. lbs.	
CSM-242R	25	74	33	24	54	2.0	1.0	47.62	4.62	18"	16 @ 3	31 @ 6	30	1.25	4	1465	1048	
CSM-302R	31	85	40	30	60	2.0	2.5	47.62	4.62	24"	25 @ 4	49 @ 7	45	1.25	4.25	2320	1500	
CSM-362R	37	88	46	36	60	2.0	3.0	47.62	4.62	30"	35 @ 3	71 @ 11	70	2	7	3745	2760	
CSM-422R	43	90	53	42	60	2.0	3.0	47.62	4.62	36"	48 @ 4	96 @ 13	95	2	3	4775	3180	



NOTES:

- (1) PIPING AND FITTINGS SHOWN DASHED TO BE FURNISHED BY OTHERS.
- (2) ALL DIMENSIONS ARE IN INCHES (± 1 INCH) AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- (3) UNIONS SHOULD BE LOCATED ON INLET, OUTLET, AND DRAIN 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) FOR MAXIMUM PROTECTION OF THE CONTROLLER, IT IS RECOMMENDED THAT A DEDICATED 120 VOLT CIRCUIT IS PROVIDED.
- (6) ALLOW A MINIMUM OF 24 INCHES ABOVE FILTER 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) OVERALL TANK HEIGHT IS BASED ON STANDARD NON-CODE TANK CONSTRUCTION. SEE ASME TANK HEIGHT ADDER FOR ASME TANKS.
- (9) ACCESS OPENINGS SHOWN ON TANK ARE FOR REFERENCE ONLY. QUANTITY, TYPE AND PLACEMENT ARE DEPENDENT ON TANK SIZE.

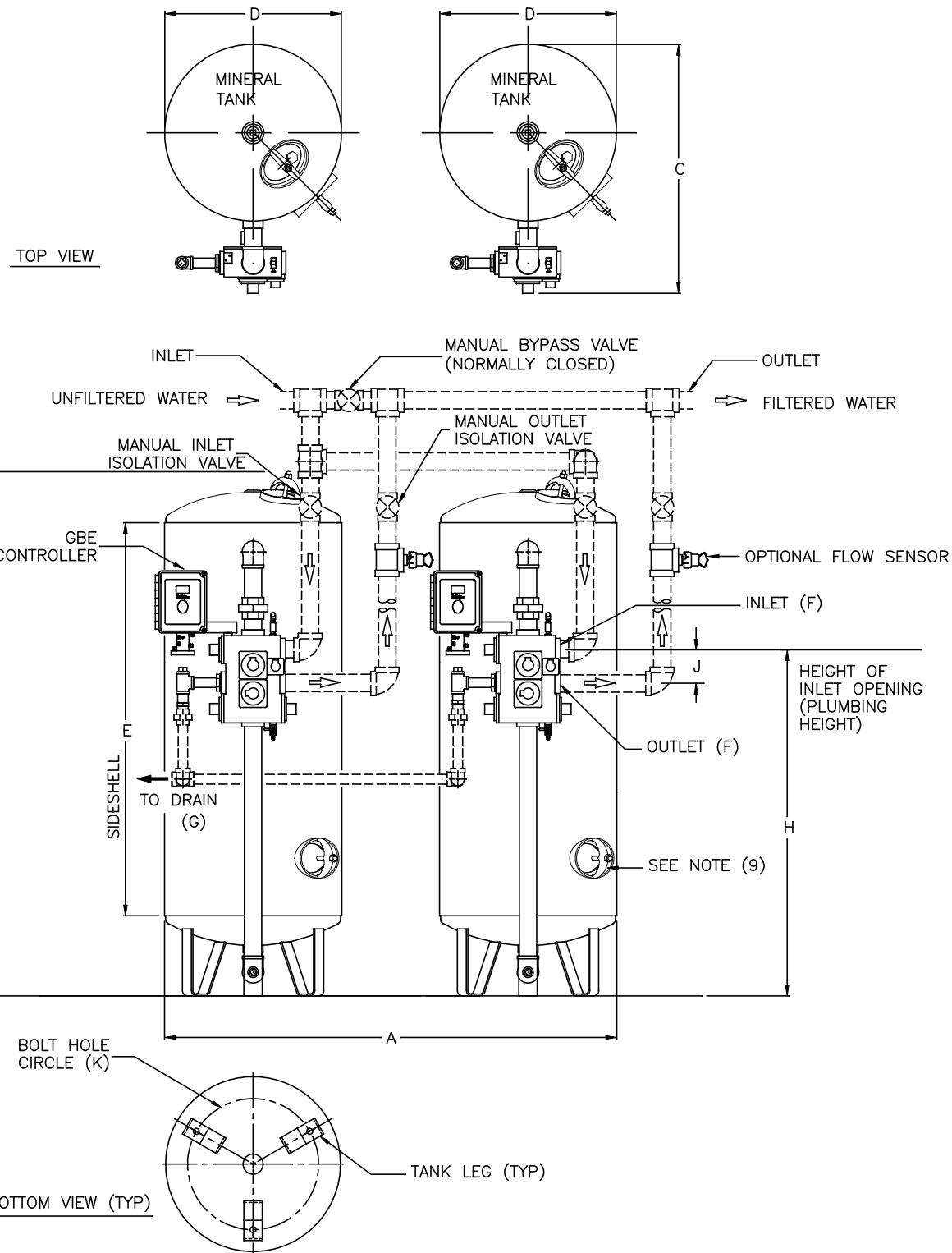
DO NOT SCALE DRAWING TOLERANCES: $\pm 1/8$ " UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

Culligan®
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NAME CSM SIMPLEX CARBON FILTER TECHNICAL DATA SHEET		
DETAILED BY: KMR 7/1/03	APP. BY: KSR 01/11/10	SHEET 1 OF 1
REF. NO.	PART NO. CSM_SIMP_CARBON	

MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK		DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER (8) IN.	DUPLEX OPER. WT. lbs.	DUPLEX SHIP. WT. lbs.
	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE-SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	INLET TO OUTLET J	BOLT HOLE CIRCLE DIA. K	TASTE, ODOR, & ORGANICS REMOVAL FLOW gpm @ DP	DE-CHLORINATION FLOW gpm @ DP					
CSM-242R	62	74	33	24	54	2.0	1.0	47.62	4.62	18"	16 @ 3	31 @ 6	30	1.25	4	2930	2096
CSM-302R	74	85	40	30	60	2.0	2.5	47.62	4.62	24"	25 @ 4	49 @ 7	45	1.25	4.25	4540	3000
CSM-362R	86	88	46	36	60	2.0	3.0	47.62	4.62	30"	35 @ 3	71 @ 11	70	2	7	7490	5520
CSM-422R	98	90	53	42	60	2.0	3.0	47.62	4.62	36"	48 @ 4	96 @ 13	95	2	3	9550	6360



NOTES:

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- (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 A MINIMUM OF 24 INCHES ABOVE FILTER 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) OVERALL TANK HEIGHT IS BASED ON STANDARD NON-CODE TANK CONSTRUCTION. SEE ASME TANK HEIGHT ADDER FOR ASME TANKS.
- (9) ACCESS OPENINGS SHOWN ON TANK ARE FOR REFERENCE ONLY. QUANTITY, TYPE AND PLACEMENT ARE DEPENDENT ON TANK SIZE.

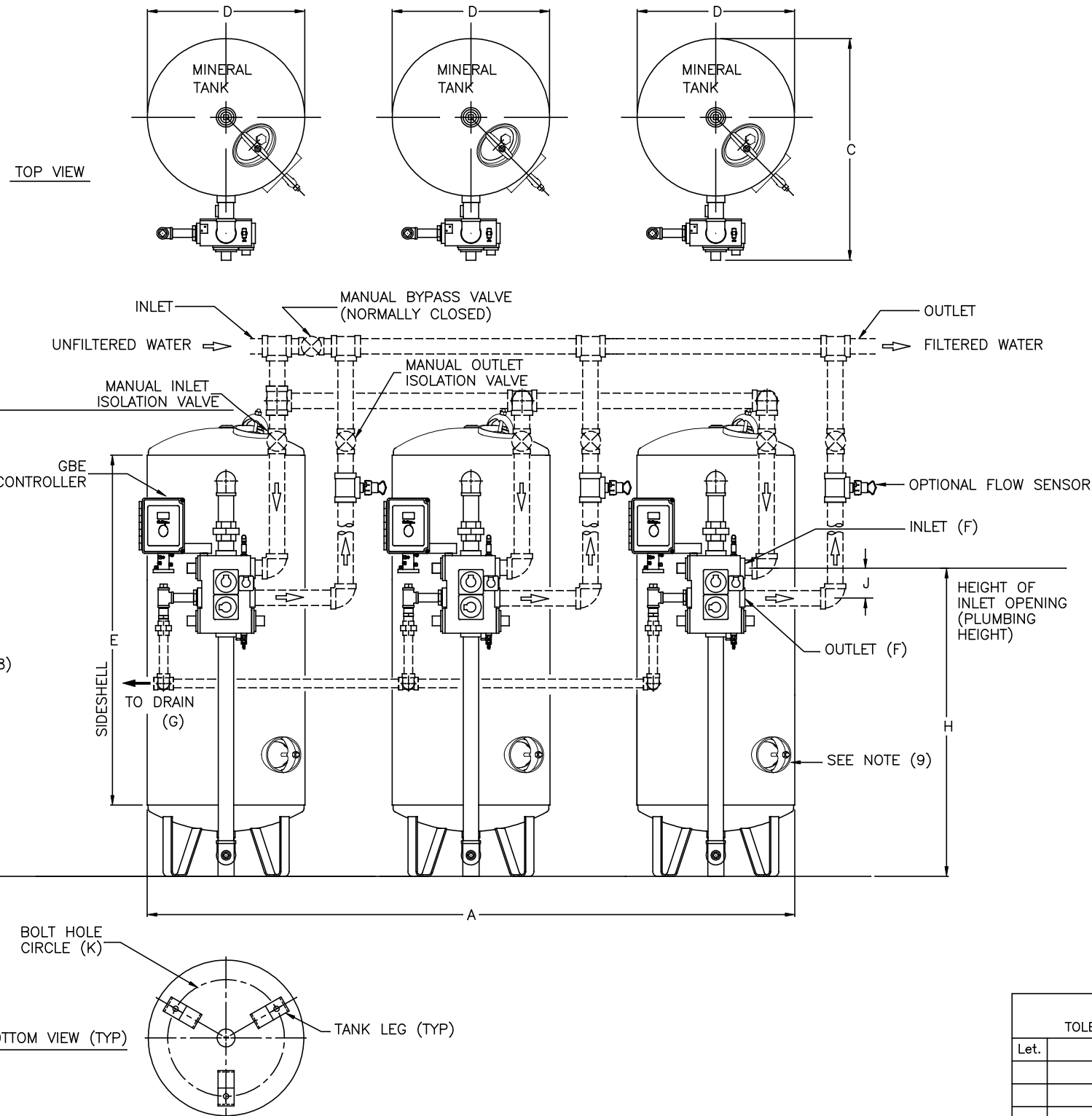
DO NOT SCALE DRAWING TOLERANCES: $\pm 1/8$ " UNLESS OTHERWISE NOTED				
Let.	Change	By	App	Date

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NAME CSM DUPLEX CARBON FILTER TECHNICAL DATA SHEET		
DETAILED BY: KMR 7/1/03	APP. BY: KSR 01/11/10	SHEET 1 OF 1
REF. NO.	PART NO. CSM_DUP_CARBON	

MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK							
	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE-SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	INLET TO OUTLET J	BOLT HOLE CIRCLE DIA. K	TASTE, ODOR, & ORGANICS REMOVAL FLOW gpm @ DP	DE-CHLORINATION FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER (8) IN.	TRIPLEX OPER. WT. lbs.	TRIPLEX SHIP. WT. lbs.	
CSM-242R	99	74	33	24	54	2.0	1.0	47.62	4.62	18"	16 @ 3	31 @ 6	30	1.25	4	4395	3144	
CSM-302R	117	85	40	30	60	2.0	2.5	47.62	4.62	24"	25 @ 4	49 @ 7	45	1.25	4.25	6960	4500	
CSM-362R	135	88	46	36	60	2.0	3.0	47.62	4.62	30"	35 @ 3	71 @ 11	70	2	7	11235	8280	
CSM-422R	153	90	53	42	60	2.0	3.0	47.62	4.62	36"	48 @ 4	96 @ 13	95	2	3	14325	9540	



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- (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) FOR MAXIMUM PROTECTION OF THE CONTROLLER, IT IS RECOMMENDED THAT A DEDICATED 120 VOLT CIRCUIT IS PROVIDED.
- (6) ALLOW A MINIMUM OF 24 INCHES ABOVE FILTER 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.
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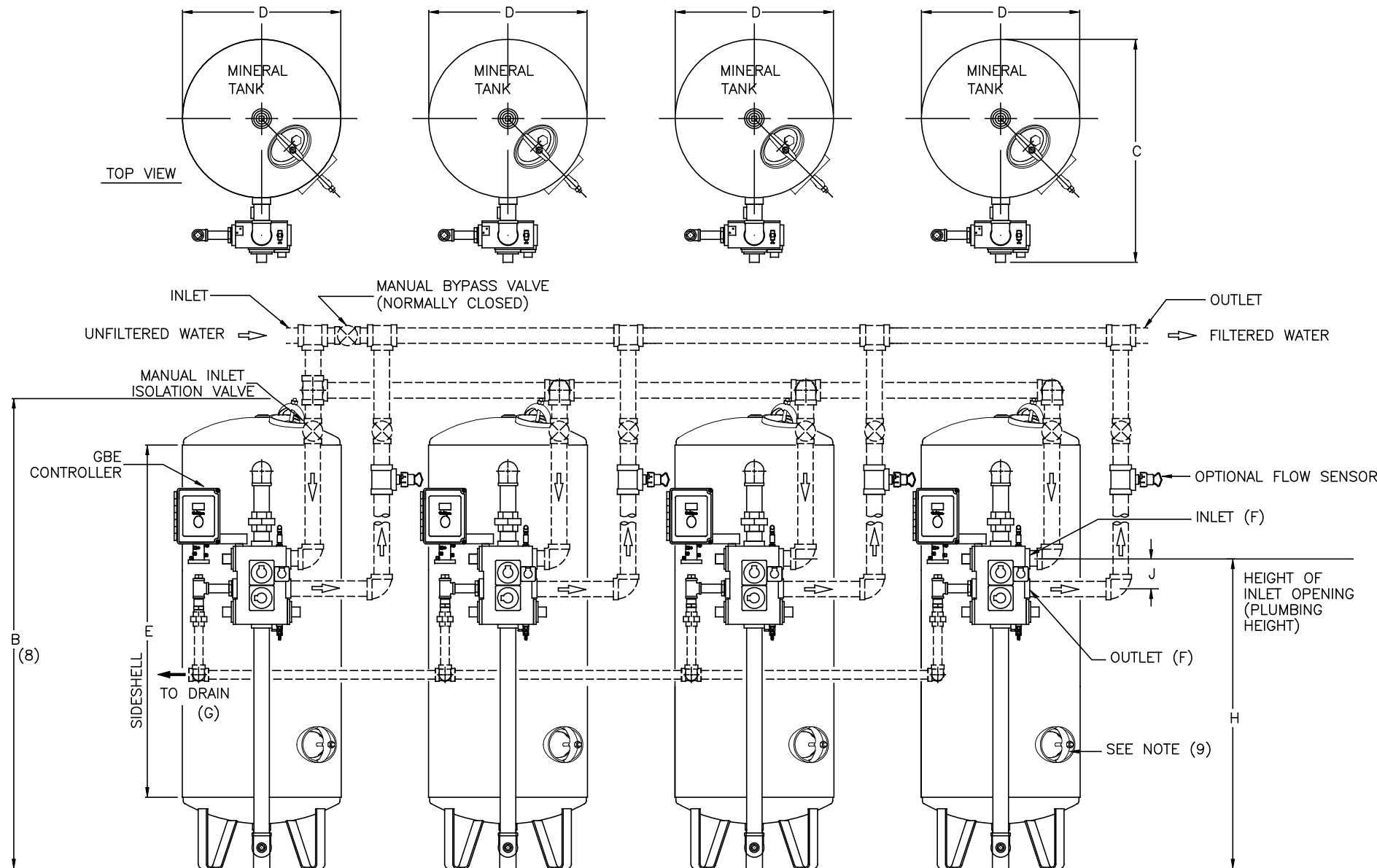
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Let.	Change	By	App	Date

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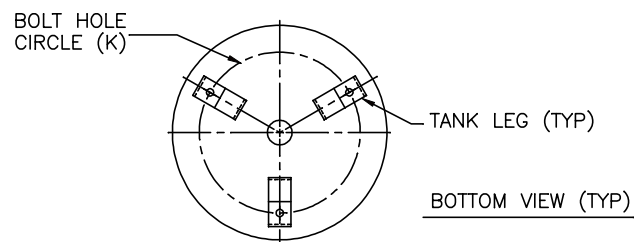
NAME CSM TRIPLEX CARBON FILTER TECHNICAL DATA SHEET		
DETAILED BY: KMR 7/1/03	APP. BY: KSR 01/11/10	SHEET 1 OF 1
REF. NO.	PART NO. CSM_TRI_CARBON	

MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK						
	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE-SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	INLET TO OUTLET J	BOLT HOLE CIRCLE DIA. K	TASTE, ODOR, & ORGANICS REMOVAL FLOW gpm @ DP	DE-CHLORINATION FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER (8) IN.	QUAD OPER. WT. lbs.	QUAD SHIP. WT. lbs.
CSM-242R	136	74	33	24	54	2.0	1.0	47.62	4.62	18"	16 @ 3	31 @ 6	30	1.25	4	5860	4192
CSM-302R	160	85	40	30	60	2.0	2.5	47.62	4.62	24"	25 @ 4	49 @ 7	45	1.25	4.25	9280	6000
CSM-362R	184	88	46	36	60	2.0	3.0	47.62	4.62	30"	35 @ 3	71 @ 11	70	2	7	14980	11040
CSM-422R	208	90	53	42	60	2.0	3.0	47.62	4.62	36"	48 @ 4	96 @ 13	95	2	3	19100	12720



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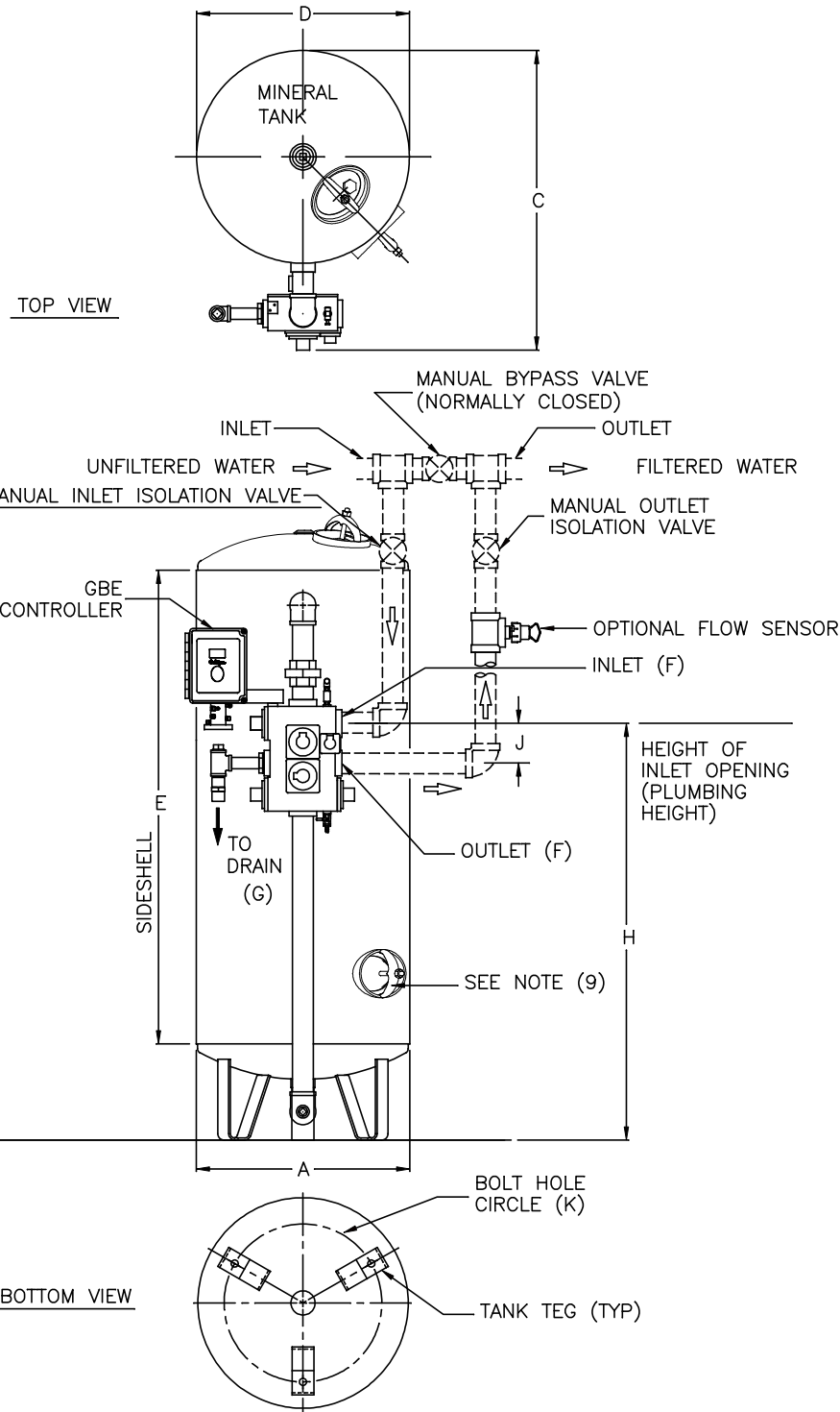
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NAME CSM QUAD CARBON FILTER TECHNICAL DATA SHEET		
DETAILED BY: KMR 7/1/03	APP. BY: KSR 01/11/10	SHEET 1 OF 1
REF. NO.	PART NO. CSM_QUAD_CARBON	

MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK						
	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE- SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	INLET TO OUTLET J	BOLT HOLE CIRCLE DIA. K	NORMAL FLOW gpm @ DP	PEAK FLOW gpm @ DP	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER (8) IN.	SIMPLEX OPER. WT. lbs.	SIMPLEX SHIP. WT. lbs.
CSM-202D	21	73	29	20	54	2.0	1.0	47.62	4.62	14"	22 @ 6	33 @ 12	30	1.25	3	1415	1096
CSM-242D	25	74	33	24	54	2.0	2.5	47.62	4.62	18"	32 @ 5	48 @ 9	45	1.5	4	2215	1658
CSM-302D	31	85	40	30	60	2.0	3.0	47.62	4.62	24"	50 @ 9	74 @ 17	75	2	4.25	3560	2414
CSM-362D	37	88	46	36	60	2.0	3.0	47.62	4.62	30"	71 @ 11	107 @ 23	105	2	7	5600	4030
CSM-422D	43	90	53	42	60	2.0	4.0	47.62	4.62	36"	97 @ 15	145 @ 28	150	2.5	3	6470	5008
CSM-423D	43	90	54	42	60	3.0	4.0	49.62	6.62	36"	97 @ 6	145 @ 11	150	2.5	3	6520	5058

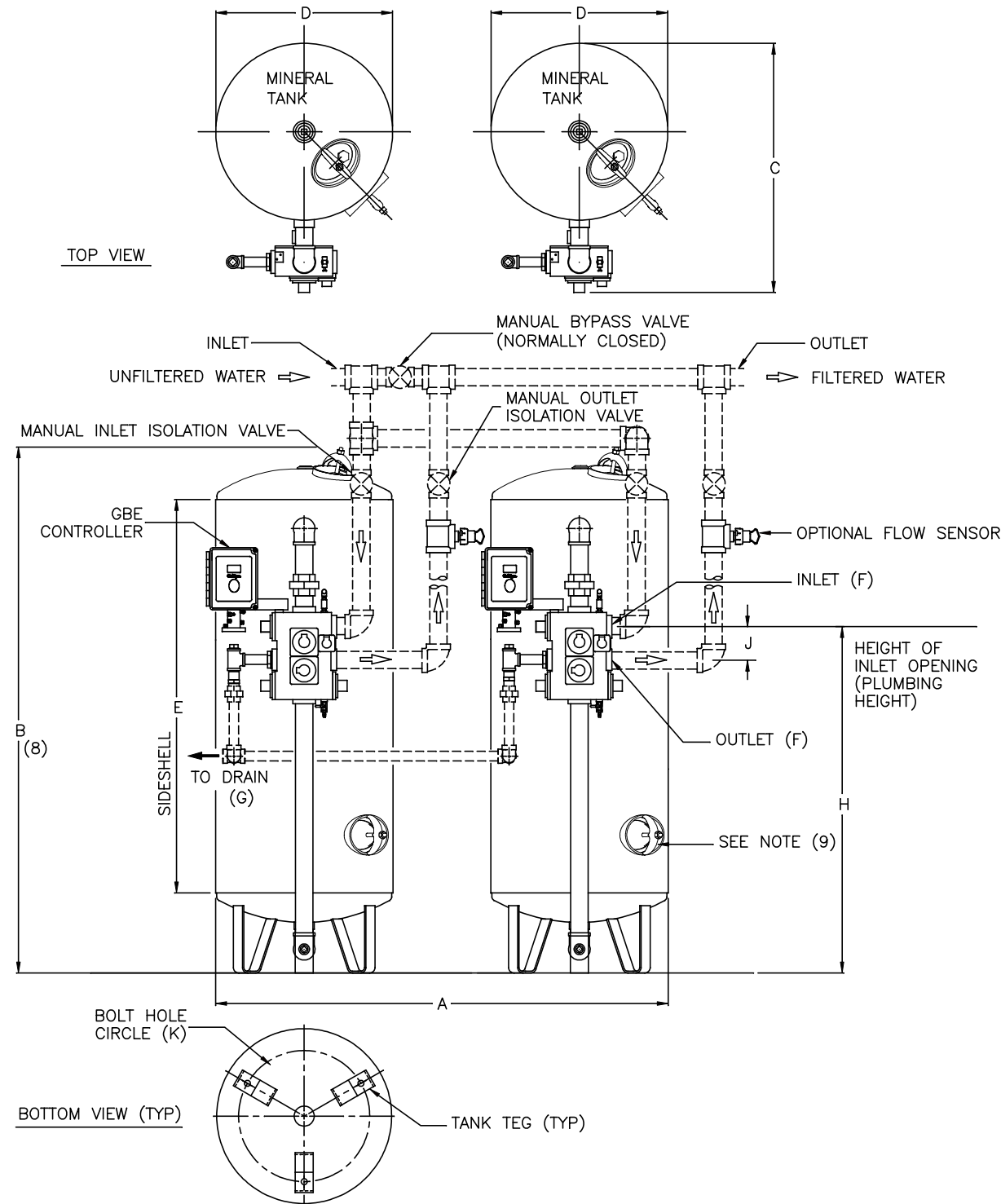


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DO NOT SCALE DRAWING TOLERANCES: $\pm 1/8$ " UNLESS OTHERWISE NOTED					ENGINEERED SYSTEMS ROSEMONT, ILLINOIS <small>PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.</small>		NAME CSM SIMPLEX DEPTH FILTER TECHNICAL DATA SHEET		
Let.	Change	By	App	Date			DETAILED BY: KMR 7/1/03	APP. BY: KSR 01/11/10	SHEET 1 OF 1
						REF. NO.	PART NO. CSM_SIMP_DEPTH		

MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK			ASME TANK HEIGHT ADDER (8) IN.	DUPLEX OPER. WT. lbs.	DUPLEX SHIP. WT. lbs.	
	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE-SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	INLET TO OUTLET J	BOLT HOLE CIRCLE DIA. K	NORMAL FLOW gpm @ DP	PEAK FLOW gpm @ DP	DRAIN FLOW gpm				MIN. DRAIN PIPE SIZE IN.
CSM-202D	54	73	29	20	54	2.0	1.0	47.62	4.62	14"	22 @ 6	33 @ 12	30	1.25	3	2830	2192
CSM-242D	62	74	33	24	54	2.0	2.5	47.62	4.62	18"	32 @ 5	48 @ 9	45	1.5	4	4430	3316
CSM-302D	74	85	40	30	60	2.0	3.0	47.62	4.62	24"	50 @ 9	74 @ 17	75	2	4.25	7120	4828
CSM-362D	86	88	46	36	60	2.0	3.0	47.62	4.62	30"	71 @ 11	107 @ 23	105	2	7	11200	8060
CSM-422D	98	90	53	42	60	2.0	4.0	47.62	4.62	36"	97 @ 15	145 @ 28	150	2.5	3	12940	10016
CSM-423D	98	90	54	42	60	3.0	4.0	49.62	6.62	36"	97 @ 6	145 @ 11	150	2.5	3	13040	10116



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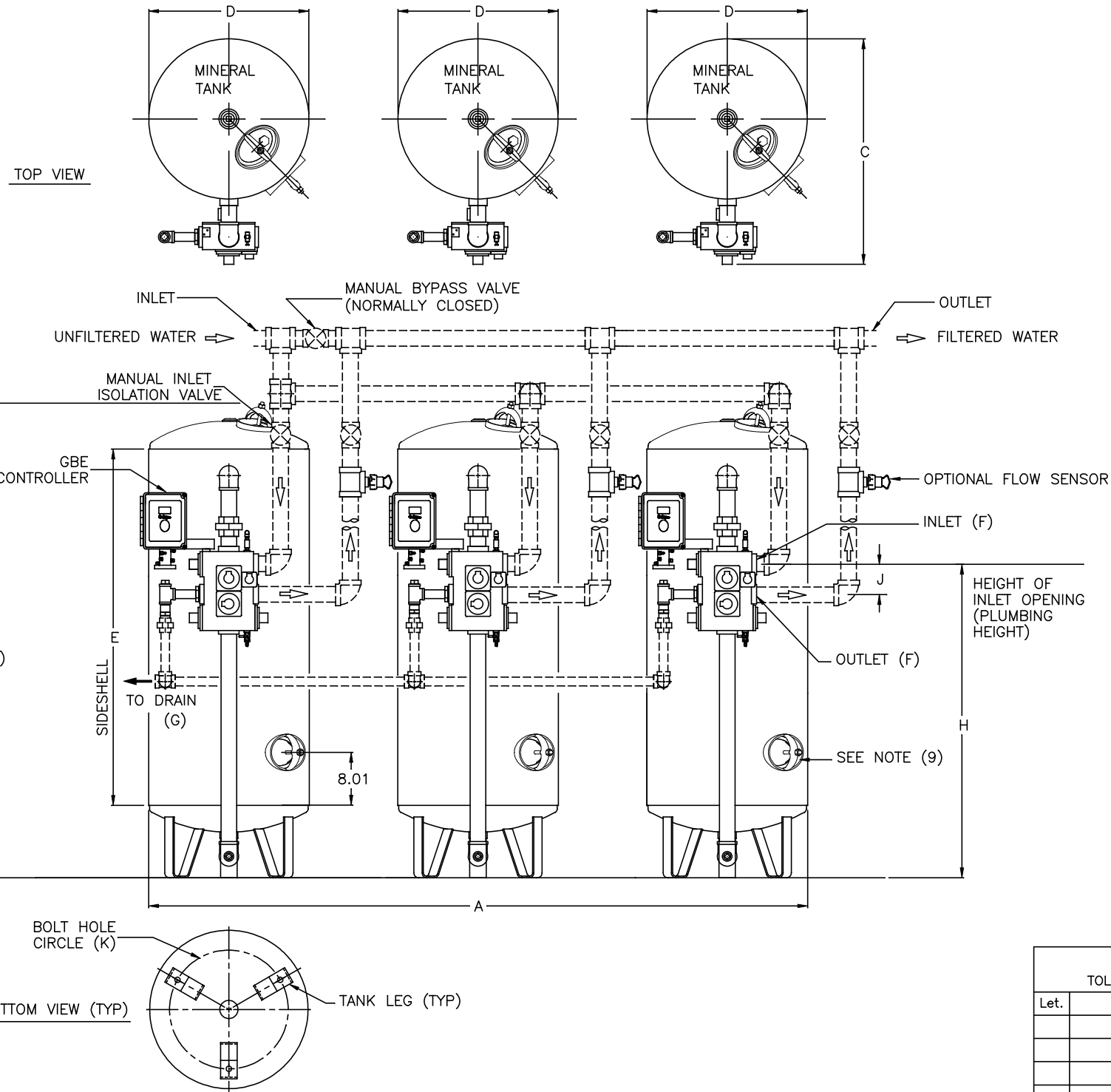
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NAME CSM DUPLEX DEPTH FILTER TECHNICAL DATA SHEET		
DETAILED BY: KMR 7/1/03	APP. BY: KSR 01/11/10	SHEET 1 OF 1
REF. NO.	PART NO. CSM_DUP_DEPTH	

MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK		DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER (8) IN.	TRIPLEX OPER. WT. lbs.	TRIPLEX SHIP. WT. lbs.
	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE-SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	INLET TO OUTLET J	BOLT HOLE CIRCLE DIA. K	NORMAL FLOW gpm @ DP	PEAK FLOW gpm @ DP					
CSM-202D	87	73	29	20	54	2.0	1.0	47.62	4.62	14"	22 @ 6	33 @ 12	30	1.25	3	4245	3288
CSM-242D	99	74	33	24	54	2.0	2.5	47.62	4.62	18"	32 @ 5	48 @ 9	45	1.5	4	6645	4974
CSM-302D	117	85	40	30	60	2.0	3.0	47.62	4.62	24"	50 @ 9	74 @ 17	75	2	4.25	10680	7242
CSM-362D	135	88	46	36	60	2.0	3.0	47.62	4.62	30"	71 @ 11	107 @ 23	105	2	7	16800	12090
CSM-422D	153	90	53	42	60	2.0	4.0	47.62	4.62	36"	97 @ 15	145 @ 28	150	2.5	3	19410	15024
CSM-423D	153	90	54	42	60	3.0	4.0	49.62	6.62	36"	97 @ 6	145 @ 11	150	2.5	3	19560	15174



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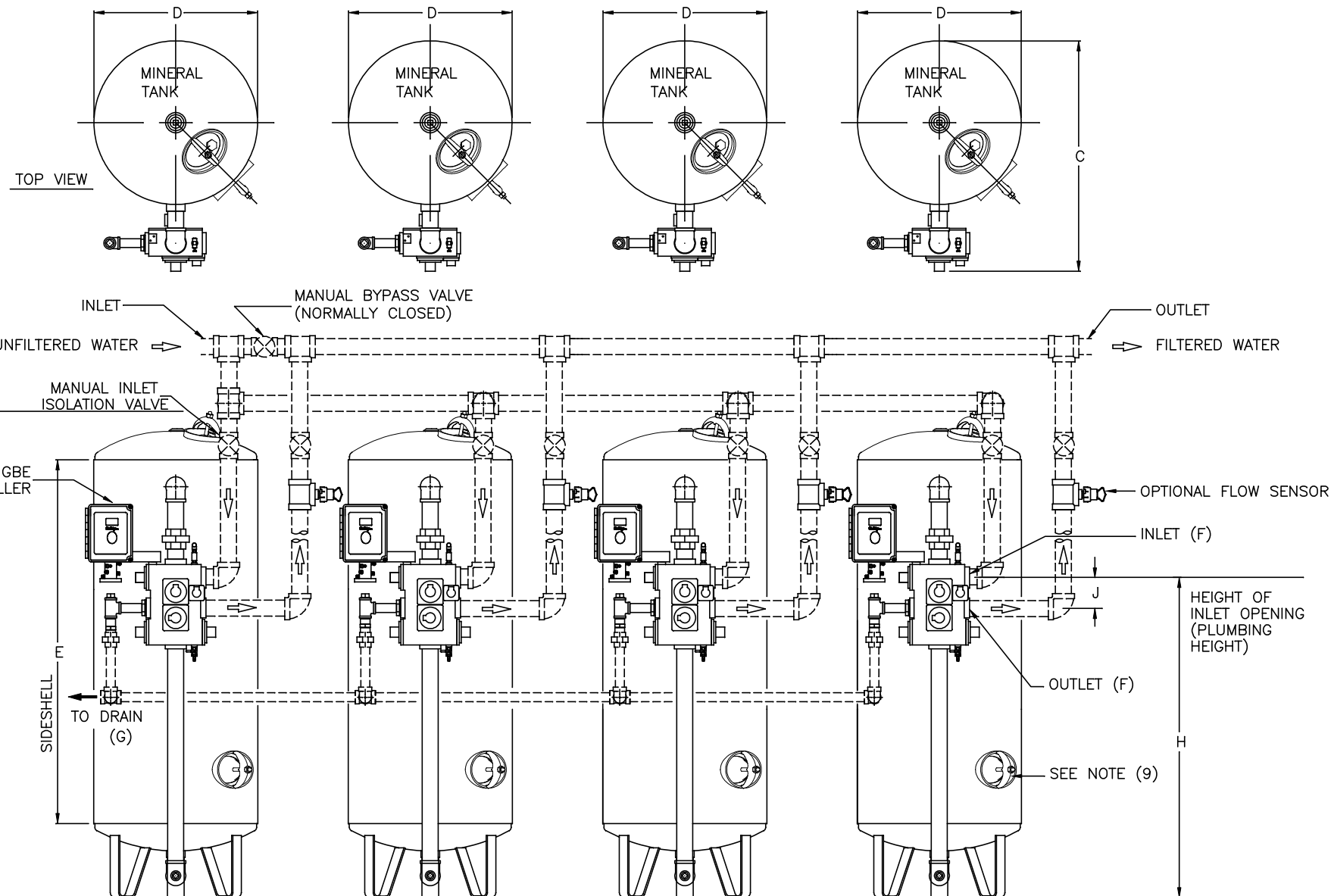
DO NOT SCALE DRAWING TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED				
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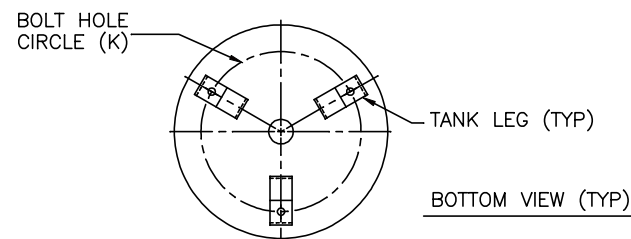
NAME CSM TRIPLEX DEPTH FILTER TECHNICAL DATA SHEET		
DETAILED BY: KMR 7/1/03	APP. BY: KSR 01/11/10	SHEET 1 OF 1
REF. NO.	PART NO. CSM_TRI_DEPTH	

MODEL	DIMENSIONS (INCHES)										UNIT DATA PER TANK			ASME TANK HEIGHT ADDER (8) IN.	QUAD OPER. WT. lbs.	QUAD SHIP. WT. lbs.	
	WIDTH A	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE-SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	INLET TO OUTLET J	BOLT HOLE CIRCLE DIA. K	NORMAL FLOW gpm @ DP	PEAK FLOW gpm @ DP	DRAIN FLOW gpm				MIN. DRAIN PIPE SIZE IN.
CSM-202D	120	73	29	20	54	2.0	1.0	47.62	4.62	14"	22 @ 6	33 @ 12	30	1.25	3	5660	4384
CSM-242D	136	74	33	24	54	2.0	2.5	47.62	4.62	18"	32 @ 5	48 @ 9	45	1.5	4	8860	6632
CSM-302D	160	85	40	30	60	2.0	3.0	47.62	4.62	24"	50 @ 9	74 @ 17	75	2	4.25	14240	9656
CSM-362D	184	88	46	36	60	2.0	3.0	47.62	4.62	30"	71 @ 11	107 @ 23	105	2	7	22400	16120
CSM-422D	208	90	53	42	60	2.0	4.0	47.62	4.62	36"	97 @ 15	145 @ 28	150	2.5	3	25880	20032
CSM-423D	208	90	54	42	60	3.0	4.0	49.62	6.62	36"	97 @ 6	145 @ 11	150	2.5	3	26080	20232



NOTES:

- (1) PIPING AND FITTINGS SHOWN DASHED TO BE FURNISHED BY OTHERS.
- (2) ALL DIMENSIONS ARE IN INCHES (± 1 INCH) AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- (3) UNIONS SHOULD BE LOCATED ON INLET, OUTLET, AND DRAIN 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) FOR MAXIMUM PROTECTION OF THE CONTROLLER, IT IS RECOMMENDED THAT A DEDICATED 120 VOLT CIRCUIT IS PROVIDED.
- (6) ALLOW A MINIMUM OF 24 INCHES ABOVE FILTER 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) OVERALL TANK HEIGHT IS BASED ON STANDARD NON-CODE TANK CONSTRUCTION. SEE ASME TANK HEIGHT ADDER FOR ASME TANKS.
- (9) ACCESS OPENINGS SHOWN ON TANK ARE FOR REFERENCE ONLY. QUANTITY, TYPE AND PLACEMENT ARE DEPENDENT ON TANK SIZE.



DO NOT SCALE DRAWING TOLERANCES: $\pm 1/8$ " 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 CSM QUAD DEPTH FILTER TECHNICAL DATA SHEET		
DETAILED BY: KMR 7/1/03	APP. BY: KSR 01/11/10	SHEET 1 OF 1
REF. NO.	PART NO. CSM_QUAD_DEPTH	