NOTES:

1. ALL DIMENSIONS SHOWN IN TABLE ARE IN INCHES, UNLESS OTHERWISE NOTED & ARE ± 1 INCH (25MM).
2. ALL ITEMS SHOWN IN PHANTOM LINE ARE TO BE PROVIDED BY OTHERS.
3. ALL DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE.
4. INSTALL UNIONS FITTINGS ON INLET, OUTLET & DRAIN PLUMBING CONNECTIONS.
5. PROVIDE A 2 FEET MINIMUM CLEARANCE ABOVE MINERAL TANK FOR FILLING MEDIA.
6. A GFCI EQUIPT ELECTRICAL OUTLET SHOULD BE PROVIDED WITHIN 5 FEET OF EQUIPMENT LOCATION.
7. USE DIELECTRIC UNIONS ON PLUMBING CONNECTIONS OF CONTROL VALVE WHEN DISSIMILAR METALS ARE PRESENT.
8. PROVIDED SYSTEM SHALL NOT BE SUBJECT TO ANY VACUUM. IF RISK OF VACUUM IS PRESENT, INSTALL SIPHON BREAK ON DRAIN LINE & INSTALL VACUUM RELIEF VALVE WATTS ORDERING CODE # 0556031 ON INLET LINE.
9. BRINE TANK DIMENSIONS SHOWN ON TABLE ARE FACTORY SELECTED FOR USE WITH THE SPECIFIED SYSTEM SIZE.
10. DO NOT INSTALL DRAIN LINE DIRECTLY TO A DRAIN. FOR PROPER DRAIN CONNECTION FOLLOW ALL NATIONAL, STATE AND LOCAL CODES. DO NOT CONSTRUCT DRAIN LINE TO ELEVATIONS THAT EXCEED 4 FEET ABOVE THE CONTROL VALVE'S DRAIN PORT.
11. THE FULL WEIGHT OF THE PIPING AND VALVES MUST BE SUPPORTED BY PIPE HANGERS OR OTHER MEANS.
12. INLET AND OUTLET HEADERS NEED TO BE SIZED ACCORDING TO FLOW RATE REQUIREMENTS BY OTHERS.
13. POWER REQUIREMENTS: 115V/60HZ 2.7 AMPS PER CONTROL VALVE UNLESS OTHERWISE SPECIFIED.
14. BRINE TANK MUST BE LOCATED WITHIN 10 FEET OF SYSTEM CONTROL VALVE AND ON A COMMON FLOOR ELEVATION WITH MINERAL TANK TO ENSURE PROPER BRINE DRAW OPERATION.
15. USE FACTORY SUPPLIED BRINE TUBING. DO NOT USE SMALLER DIAMETER TUBING THAN WHAT IS SUPPLIED.
16. LIMIT INLET PRESSURE TO NOT EXCEED MAXIMUM PUBLISHED OPERATING PRESSURE.

SERIES LCTA-150 TWIN ALT. DIMENSION (INCHES) & SPECIFICATIONS

MODEL NO.	ORDERING CODES (EDP NO.)	MINERAL TANK SIZE	INLET	OUTLET	OVERALL HEIGHT (SEE NOTE 5)	OVERALL DEPTH	OVERALL WIDTH	MINIMUN INLET PIPE DISTANCE	BRINE TANK (SEE NOTE 9)	CONTROL VALVE INLET/OUTLET PIPE SIZE (NPT)	DRAIN CONN SIZE (NPT)	SERVICE FLOW GPM @ 15 PSI DROP	PEAK SERVICE FLOW GPM @ 25 PSI DROP	DRAIN FLOW RATE (GPM)	MIN/MAX OPERATING TEMP F°	MIN/MAX OPERATING PRESSURE (PSI)	ESTIMATED OPERATING WEIGHT (LBS)	ESTIMATED SHIPPING WEIGHT (LBS)
M2218SE	68105231	12 X 52	55.63	55.63	60.88	14.25	48.94	25.0	24 X 41	1.5	1.0	15	20	3.5	34/110	25/125	1223.5	270
M2220SE	68105233	14 X 65	67.63	67.63	72.94	15.25	50	27.5	24 X 41	1.5	1.0	17	22	5	34/110	25/125	1597.6	550
M2222SE	68105235	16 X 65	67.13	67.13	72.38	16.25	50.75	29.5	24 X 41	1.5	1.0	25	40	7	34/110	25/125	1891.9	720
M2224SE	68105236	18 X 65	68.94	68.94	74	18.13	51.75	31.5	24 X 41	1.5	1.0	30	50	10	34/110	25/125	2253.5	900
M2228SE	68105238	21 X 62	70.94	70.94	76	21.13	53.25	33.5	24 X 50	1.5	1.0	35	53	12	34/110	25/125	3010.7	1215
M2235SE	68105240	24 X 72	77.13	77.13	82.38	24.13	54.75	36.5	30 X 50	1.5	1.0	40	55	15	34/110	25/125	4506.2	1750

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DWG BY:	DATE:	SCALE:	SUPERSEDES:
JR	1/28/2021	NTS	
CHD BY:	DATE:	SHEET:	
RL	1/28/2021	1 OF 1	

LIMITS UNLESS SPECIFIED
FRACTIONAL ±1/32 ANGULAR ±1°
DECIMAL in[mm] .XX[0.XX] ± .12[3.175]
.XXX[0.XX] ± .25[6.35]
COMMON AXIS in[mm] .01[0.38] TIR
SURFACE FINISH µin[µmeter] 125[3.2] RMS
DO NOT SCALE DRAWING

TITLE: GENERAL INSTALLATION, SERIES LCTA-150 TWIN ALTERNATING 1 ½" WATER SOFTENERS

MATERIAL: N/A

OTHER: ESTIMATED WEIGHT: SEE TABLE

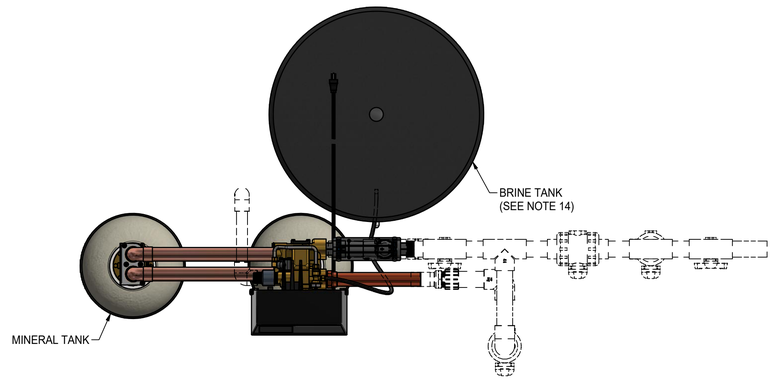
PART NO.: SEE TABLE

EDP NO.: SEE TABLE

FILE TYPE: CAD

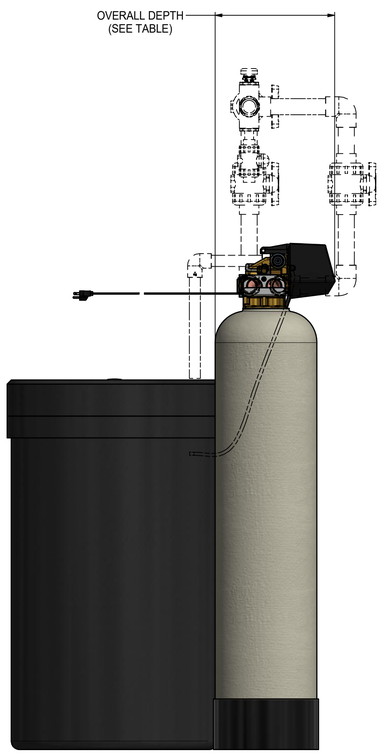
SIZE: D

REV: 1

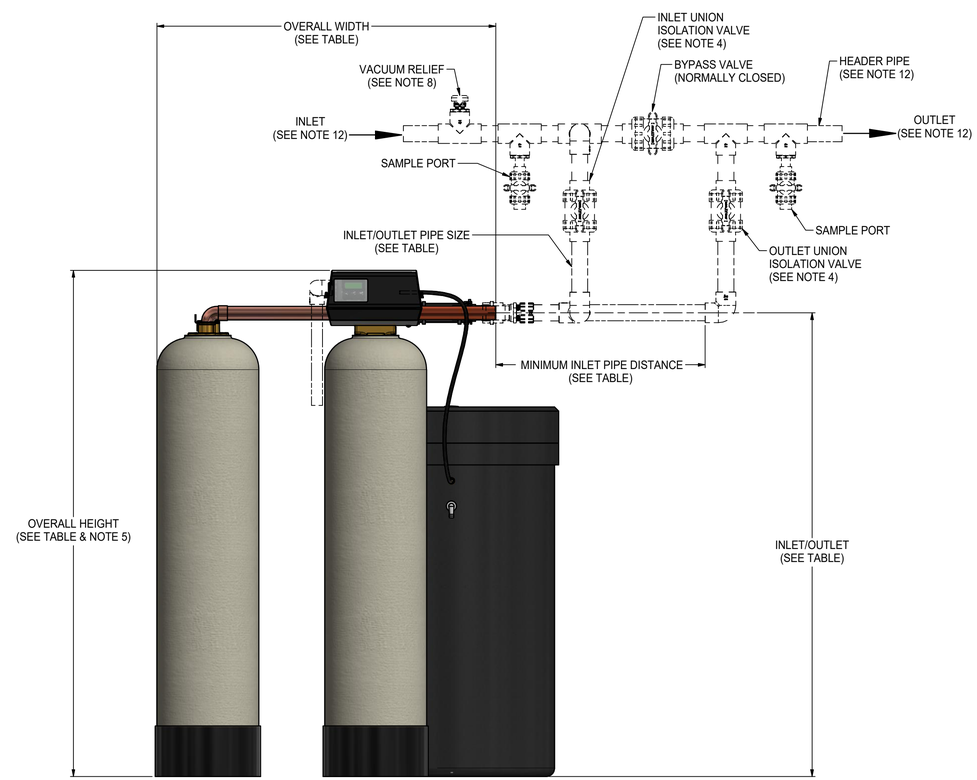


TOP VIEW

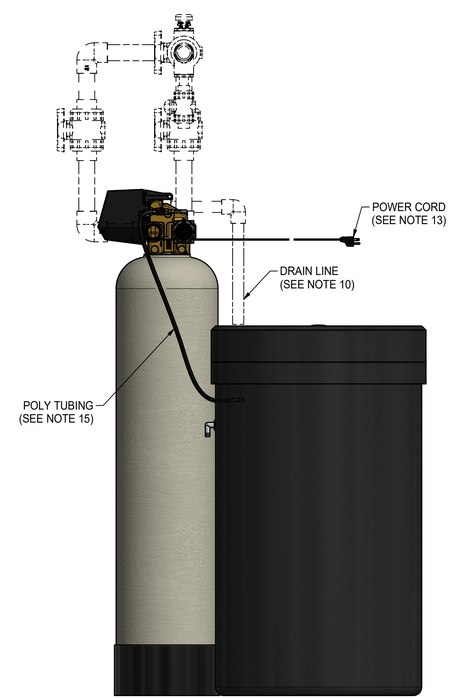
ISOMETRIC VIEW



SIDE VIEW



FRONT VIEW



SIDE VIEW

CLIENT PROJECT SIGN-OFF
JOB NAME:
JOB LOCATION:
CONTRACTOR:
CONTRACTOR APPROVAL:
CONTRACTOR APPROVAL DATE:
CONTRACTOR PO NO:
ENGINEER:
ENGINEER APPROVAL:
ENGINEER APPROVAL DATE: