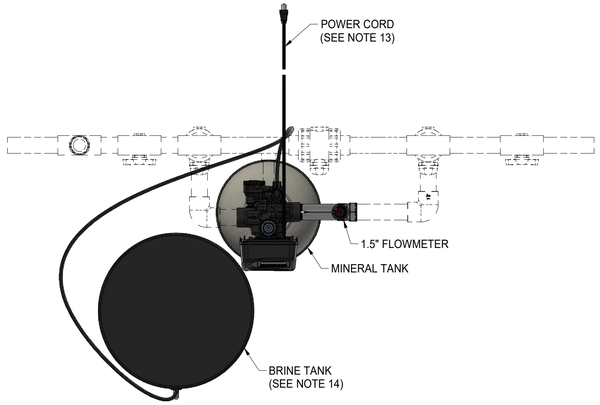
NOTES:

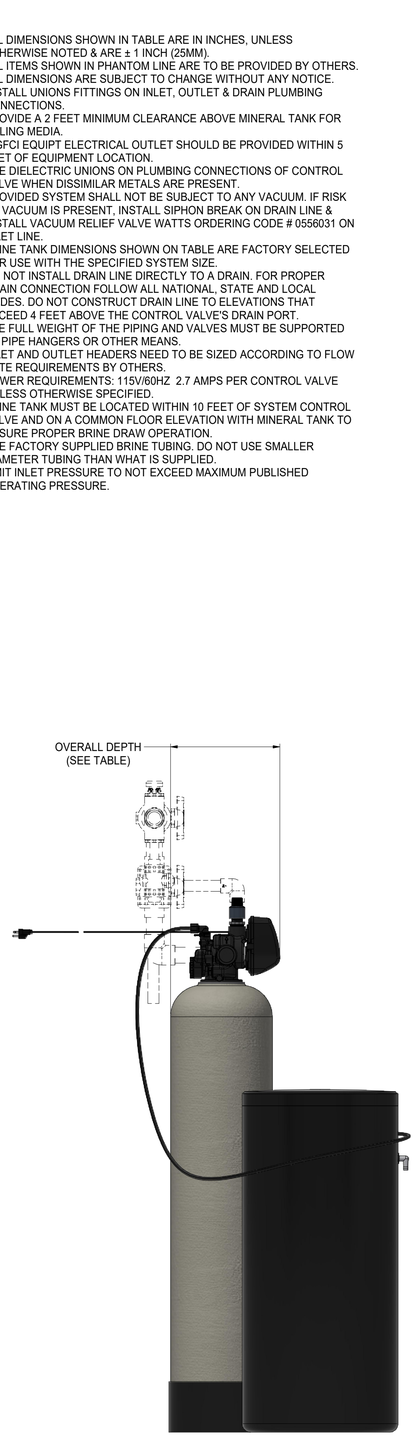
1. ALL DIMENSIONS SHOWN IN TABLE ARE IN INCHES, UNLESS OTHERWISE NOTED & ARE ± 1 INCH (25MM).
2. ALL ITEMS SHOWN IN PHANTOM LINE ARE TO BE PROVIDED BY OTHERS.
3. ALL DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE.
4. INSTALL UNIONS FITTINGS ON INLET, OUTLET & DRAIN PLUMBING CONNECTIONS.
5. PROVIDE 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 CWS-150 SIMPLEX DIMENSION (INCHES) & SPECIFICATIONS

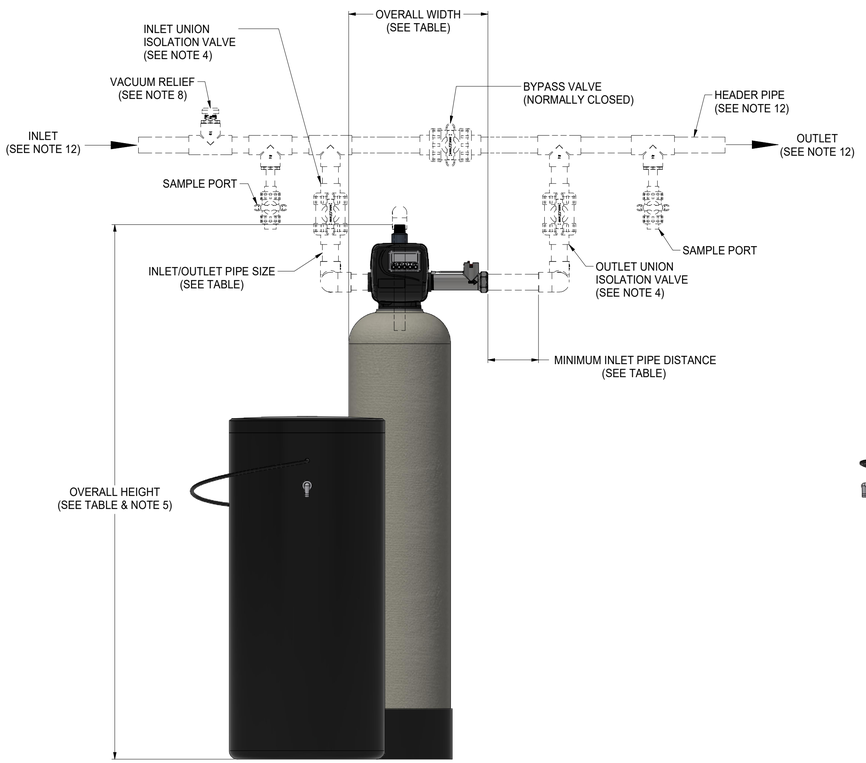
MODEL NO.	ORDERING CODES (EDP NO.)	MINERAL TANK SIZE	INLET	OUTLET	OVERALL HEIGHT (SEE NOTE 5)	OVERALL DEPTH	OVERALL WIDTH	MINIMUN INLET PIPE DISTANCE	BRINE TANK (SEE NOTE 9)	CONTROL VALVE INLET/OUTLET PIPE SIZE (NPT)	DRAIN CONN SIZE (NPT)	SERVICE FLOW GPM @ 15 PSI DROP	PEAK SERVICE FLOW GPM @ 25 PSI DROP	DRAIN FLOW RATE (GPM)	MIN/MAX OPERATING TEMP F°	MIN/MAX OPERATING PRESSURE (PSI)	ESTIMATED OPERATING WEIGHT (LBS)	ESTIMATED SHIPPING WEIGHT (LBS)
M4410W	68105557	12 X 52	55.3	55.3	61.00	12	16.75	3.5	18 X 40	1.5	1.0	28	38	4	34/110	25/125	1210.5	210
M4414W	68105558	14 X 65	68.13	68.13	73.63	14	17.75	5.5	24 X 41	1.5	1.0	35	46	5	34/110	25/125	1584.6	240
M4418W	68105559	16 X 65	68.13	68.13	73.63	16	18.75	7.5	24 X 41	1.5	1.0	40	51	7	34/110	25/125	1878.9	320
M4422W	68105560	18 X 65	68.13	68.13	73.63	18	20.75	10.5	24 X 41	1.5	1.0	44	57	11	34/110	25/125	2240.5	380
M4426W	68105561	21 X 62	65.13	65.13	70.63	21	21.25	13.5	24 X 50	1.5	1.0	50	64	13	34/110	25/125	2997.7	585
M4430W	68105562	24 X 72	75.13	75.13	80.63	24	24.25	16.5	30 X 50	1.5	1.0	53	68	15	34/110	25/125	4493.2	710



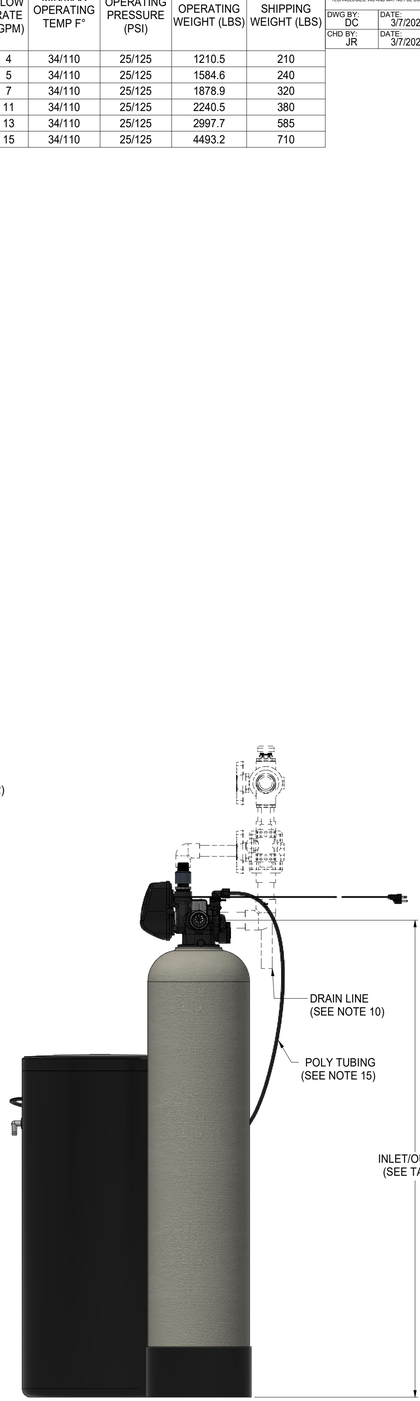
TOP VIEW



SIDE VIEW



FRONT VIEW



SIDE VIEW

ISOMETRIC VIEW

WATTS® 815 CHESTNUT ST. NORTH ANDOVER, MA 01845

DWG BY:	DATE:	SCALE:	SUPERSEDES:
DC	3/7/2023	NTS	
CHD BY:	DATE:	SHEET:	
JR	3/7/2023	1 OF 1	

LIMITS UNLESS SPECIFIED
FRACTIONAL ANGULAR ±1/32 ±1°
DECIMAL in[mm] .XX[0.XX] ± .125[3.175] .XXX[0.X] ± .25[6.35]
COMMON AXIS in[mm] .010[0.38] TIR
SURFACE FINISH µin[µmeter] 125[3.2] RMS
DO NOT SCALE DRAWING

TITLE: GENERAL INSTALLATION, SERIES CWS-150 SIMPLEX 1.5" WATER SOFTENERS

PART NO.: SEE TABLE

MATERIAL: N/A

EDP NO.: SEE TABLE

SIZE: D

REV: 1

OTHER: ESTIMATED WEIGHT: SEE TABLE

FILE TYPE: CAD

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