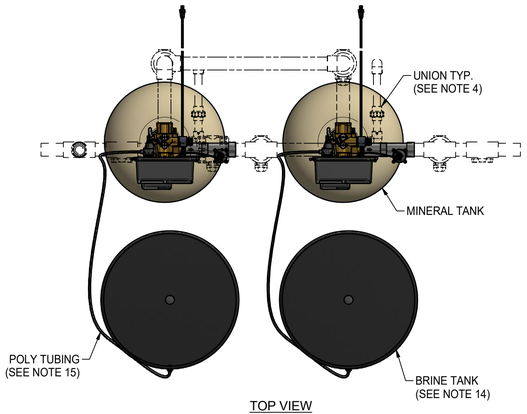
NOTES:

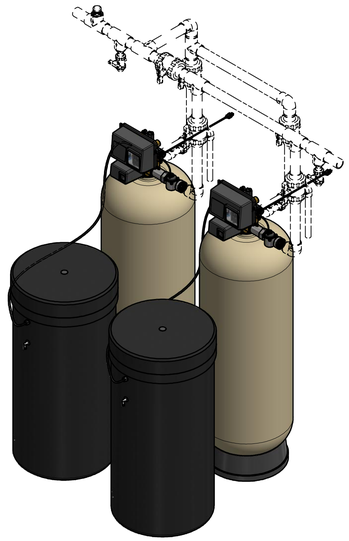
1. ALL DIMENSIONS SHOWN IN TABLE ARE IN INCHES, UNLESS OTHERWISE NOTED & ARE ± 1 INCH (25MM).
2. ALL ITEMS SHOWN IN PHANTOM LINE ARE TO BE PROVIDED BY OTHERS.
3. ALL DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE.
4. INSTALL UNIONS FITTINGS ON INLET, OUTLET & DRAIN PLUMBING CONNECTIONS.
5. PROVIDE 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 PWS20-P DUPLEX PROGRESSIVE DIMENSION (INCHES) & SPECIFICATIONS

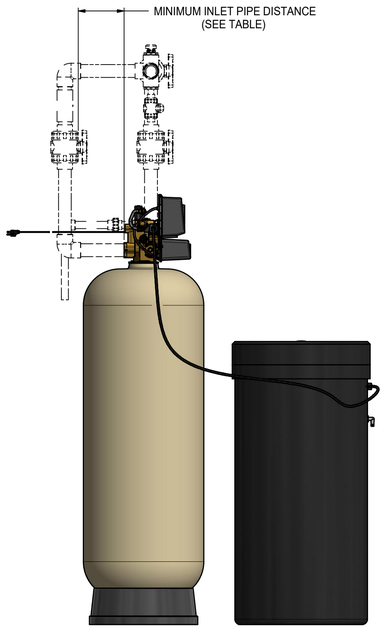
MODEL NO.	ORDERING CODES (EDP NO.)	MINERAL TANK SIZE	INLET	OUTLET	OVERALL HEIGHT (SEE NOTE 5)	OVERALL DEPTH	OVERALL WIDTH	MINIMUN INLET PIPE DISTANCE	BRINE TANK (SEE NOTE 9)	CONTROL VALVE INLET/OUTLET PIPE SIZE (NPT)	DRAIN CONN SIZE (NPT)	SERVICE FLOW GPM @ 15 PSI DROP	PEAK SERVICE FLOW GPM @ 25 PSI DROP	DRAIN FLOW RATE (GPM)	MIN/MAX OPERATING TEMP F°	MIN/MAX OPERATING PRESSURE (PSI)	ESTIMATED OPERATING WEIGHT (LBS)	ESTIMATED SHIPPING WEIGHT (LBS)
PWS20131D22	7100726	14 X 65	67.38	67.38	77.13	16	55	3.5	18 X 40	2.0	1.0	50	80	5.0	34/110	25/125	1903	530
PWS20131E22	7100727	16 X 65	67.75	67.75	77.88	17	57	5.5	18 X 40	2.0	1.0	70	110	7.0	34/110	25/125	2239	700
PWS20131F22	7100728	18 X 65	68.5	68.5	78.94	18.13	59	7.5	24 X 41	2.0	1.0	114	130	10.0	34/110	25/125	2962	800
PWS20131G22	7100729	21 X 62	70.5	70.5	80.94	21.13	62	10.5	24 X 50	2.0	1.0	240	154	12.0	34/110	25/125	4087	1200
PWS20131H22	7100645	24 X 72	76.75	76.75	87.13	24.13	65	13.5	30 X 50	2.0	1.0	120	194	15.0	34/110	25/125	5993	1420
PWS20131I22	7100646	30 X 72	80.25	80.25	93.13	30.13	73	16.5	39 X 48	2.0	1.0	160	200	25.0	34/110	25/125	9434	2320
PWS20131J22	7100647	36 X 72	86	86	97.44	36.13	85	22.5	39 X 60	2.0	1.5	168	210	35.0	34/110	25/125	12411	3120



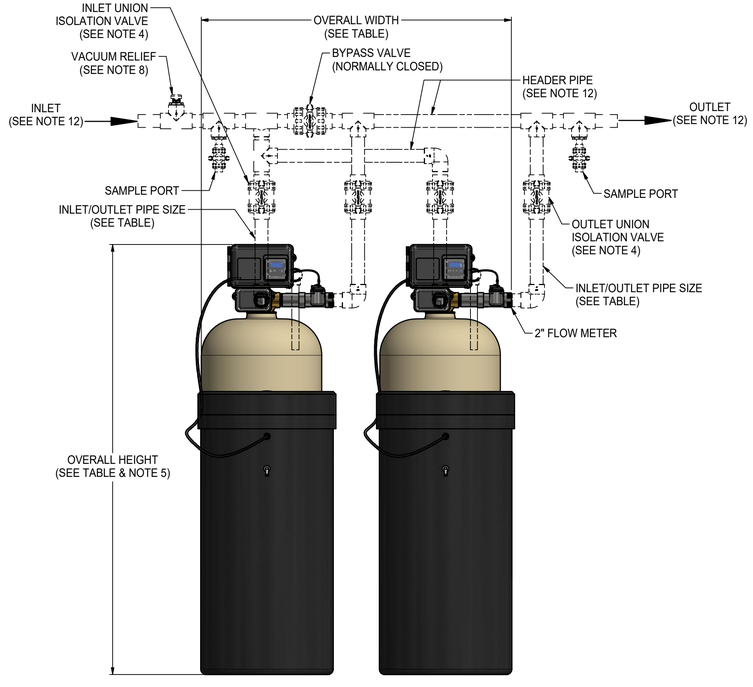
TOP VIEW



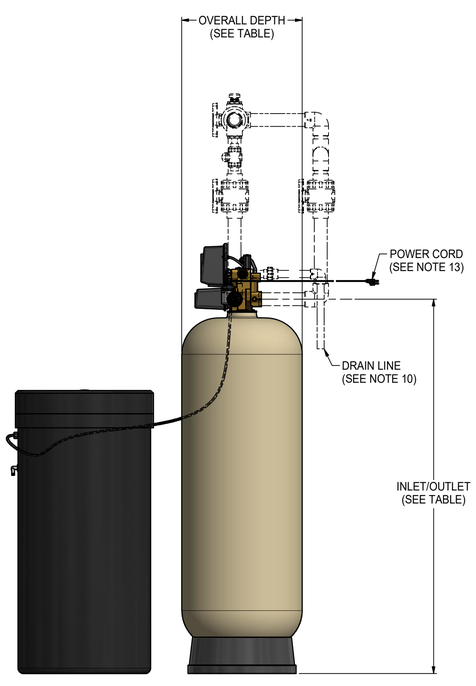
ISOMETRIC VIEW



SIDE VIEW



FRONT VIEW



SIDE VIEW

WATTS® 815 CHESTNUT ST. NORTH ANDOVER, MA 01845

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 ANGULAR ±1/32 ±1°
DECIMAL in[mm]
.XX[0.XX] ± .12[3.175]
.XXX[0.X] ± .25[6.35]
COMMON AXIS in[mm]
.01[0.36] TIR
SURFACE FINISH µin[µmeter]
125[3.2] RMS
DO NOT SCALE DRAWING

TITLE: GENERAL INSTALLATION, SERIES PWS20-P DUPLEX PROGRESSIVE 2" 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

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