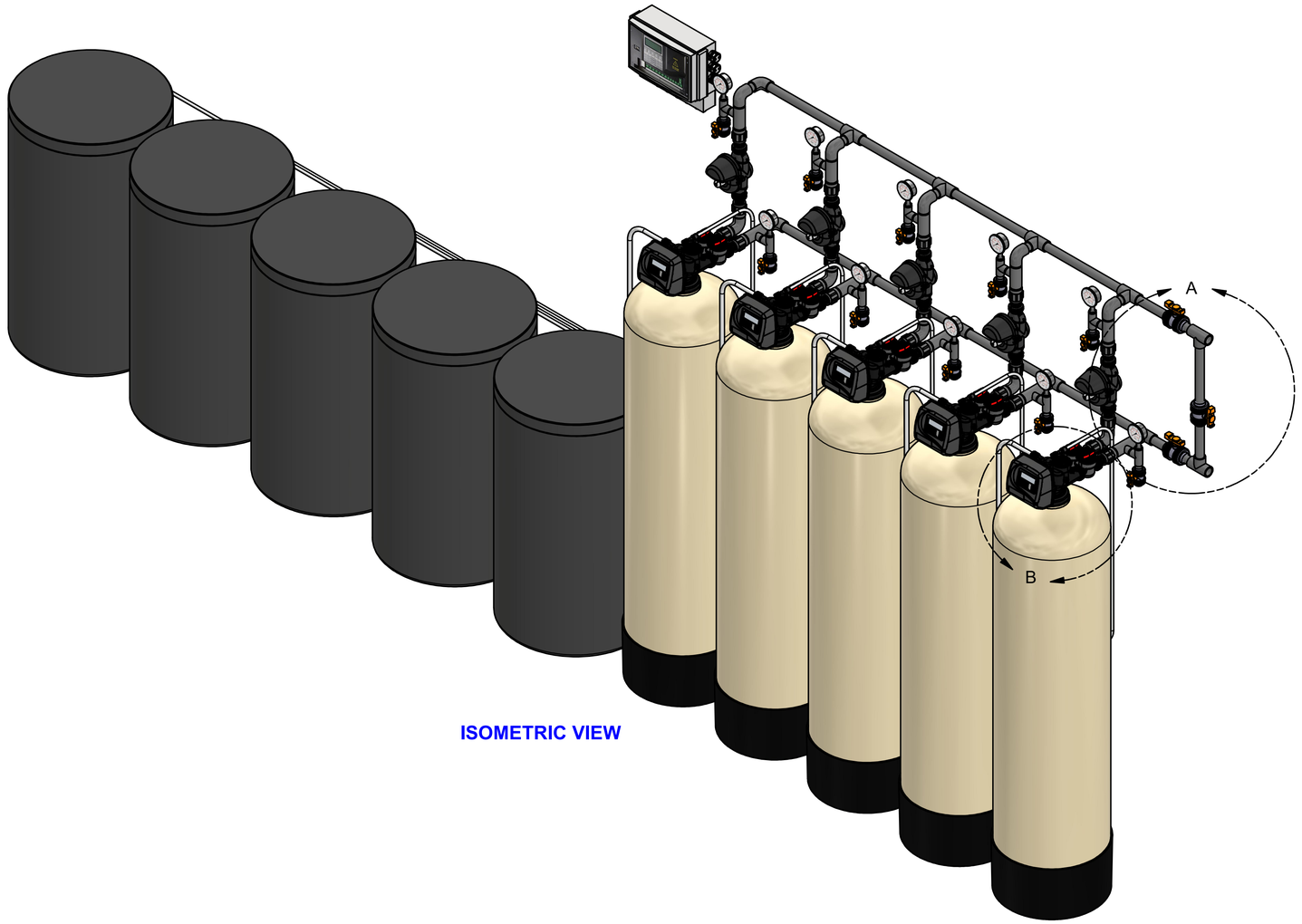
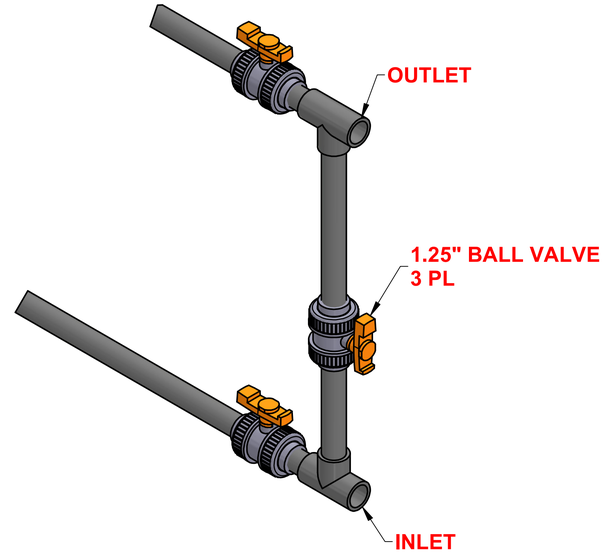
| CONTROL VALVE (in) | PIPING CONNECTIONS (in) | | | | MINERAL TANK (in) | BRINE TANK (in) | RESIN PER VESSEL (ft³) | CAPACITY(GRAINS) | | | | FLOW RATE (gpm) | | | | | | WEIGHT (lbs) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INLET | OUTLET | DRAIN | BRINE | | | | 15 lbs/ft³ | 10 lbs/ft³ | 6 lbs/ft³ | MAX SYSTEM | MIN | CRITICAL | SERVICE | 15psi ΔP | 25psi ΔP | BACKWASH | SHIPPING | OPERATING |
| 1.25 | 1.25 | 1.25 | 0.75 | 0.375 | 16 X 65 | 24 X 50 | 4.0 | 120,000 | 108,000 | 80,000 | 480,000 | 2.8 | 55.0 | 85.0 | 125.0 | 170.0 | 6.5 | 1,950 | 7,500 |

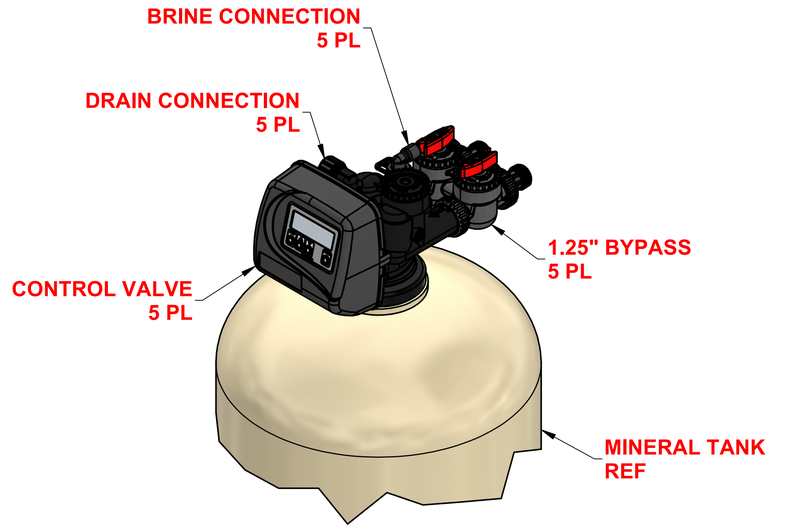
| REVISION HISTORY | | | | |
|---|---|---|---|---|
| REV | DESCRIPTION | DATE | DESIGNER | APPROVED |
| A | INITIAL RELEASE | 2022-07-14 | CSIDDARUSHI | M. GARNER |




ISOMETRIC VIEW




DETAIL A
SCALE 0.25 : 1
OPTIONAL 3 WAY BYPASS




DETAIL B
SCALE 0.25 : 1

**NOTE:**

1. DRAWING IS FOR REFERENCE ONLY.
2. PIPING AND INSTRUMENTATION SHOWN ARE NOT INCLUDED IN THE SCOPE.
3. RECOMMEND INSTALLING HORIZONTAL FLEX CONNECTORS ON BOTH INLET AND OUTLET FOR FRP TANK EXPANSION.
4. RECOMMEND INSTALLING VACUUM BREAKER(S) ON ALL INLET FRP TANK CONNECTIONS.
5. PROVIDE AN AIR GAP ON DRAIN LINE OF AT LEAST 4 TIMES THE DIAMETER OF THE PIPE OR FOLLOW LOCAL PLUMBING CODES.

This drawing contains information and data which is proprietary to Excalibur Water Systems Inc. This drawing, or any portion thereof, may not be reproduced, copied, or duplicated in any manner, nor used for manufacturing, without the written permission of Excalibur Water Systems Inc.

EXCALIBUR Water Systems
*Quality through innovation*

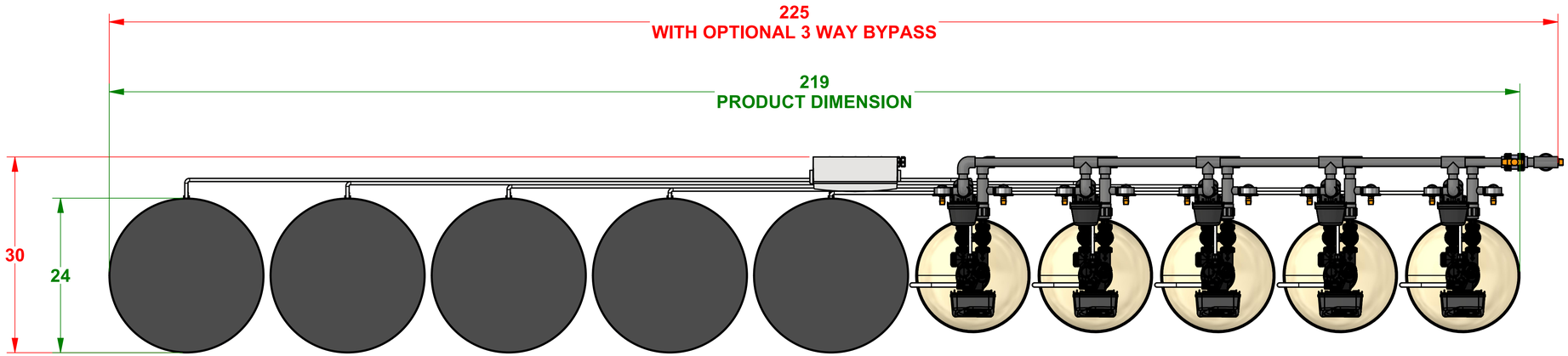
UNLESS OTHER WISE SPECIFIED dimensions are in inches.
Tolerance on:
Decimals Angles
.XXX= ± .5 ± 1°
.XX= ± 1
.X= ± 2

| | | |
|---|---|---|
| DRAWN | CSIDDARUSHI | 2022-07-14 |
| CHECKED | M. GARNER | 2022-07-14 |
| PROJECT MGR | M. GARNER | 2022-07-14 |
| ELE ENGINEER | NA | 2022-07-14 |
| APPROVED | M. GARNER | 2022-07-14 |

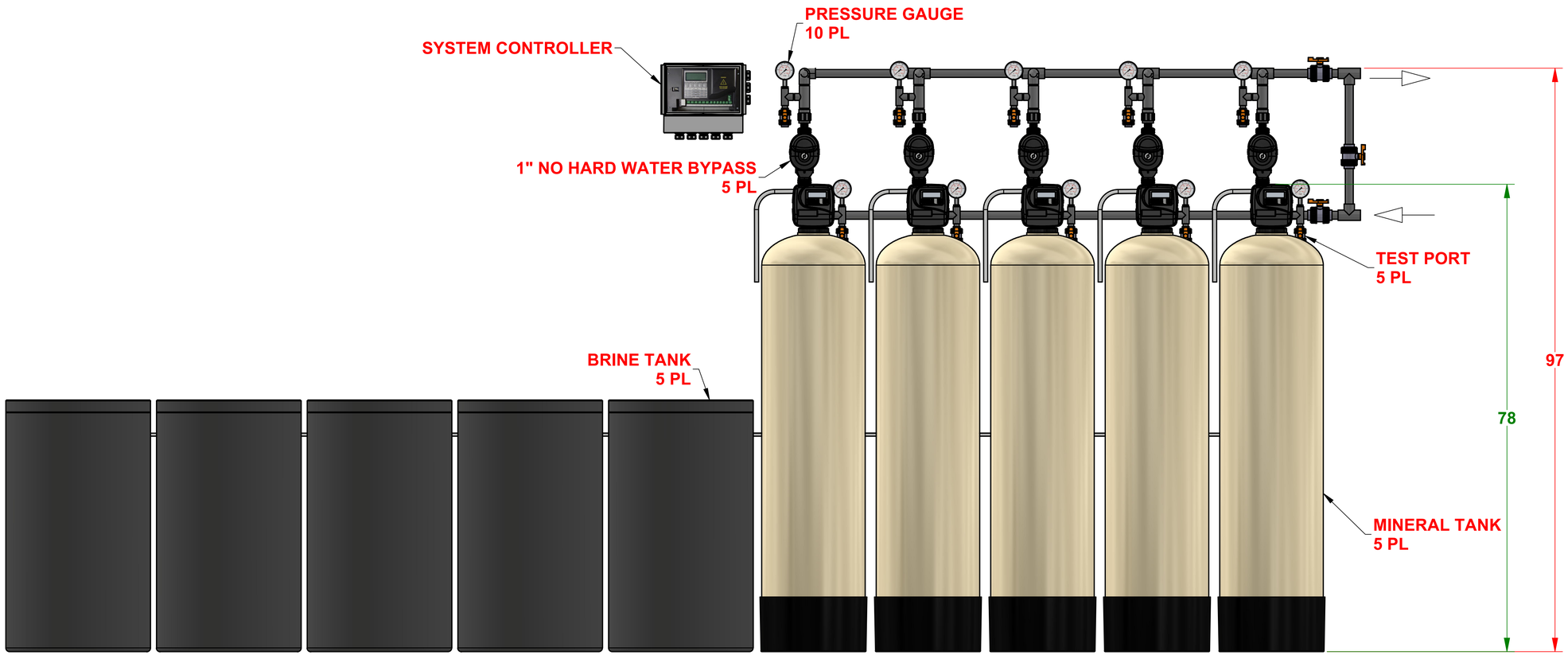
TITLE: **WATER SOFTENER 1.25" FIVEPLEX PROGRESSIVE 120,000 CAPACITY**

DRW NO: EWS SC1255120 Rev A

SCALE 1/10 SHEET 1 OF 2




TOP VIEW




FRONT VIEW