



STORAGE TANK

INSTALLATION & OPERATION MANUAL



**Manufactured With Pride
In The USA**

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PN: 98-0152
Rev. B

Theory of Operation

The reverse osmosis unit makes a limited amount of water at a time. It is therefore necessary to store it in a storage tank. The storage tank is equipped with float switches, which will turn the reverse osmosis unit off and on when the water reaches a predetermined point in the storage tank.

This tank is also equipped with a spray nozzle on the return loop side of the tank. This allows disinfectant to reach all parts of the tank when it is applied to the tank, for faster disinfections.

The vent filter on the tank is designed to filter the air when water moves in and out of the storage tank. Tanks are equipped with a “rupture disk”, which will break if the flow of air/water becomes too much for the filter or tank to handle.

Installation

1. Locate the storage tank on a firm level floor.
2. Connect the RO product hose to the storage tank’s product water inlet.
3. Connect one of the outlets on the storage tank to the distribution pump inlet.
4. Connect the RO OFF float wires (DRY CONTACTS ONLY) to the RO control terminal marked “Tank Full High”.
5. Connect the RO ON float wires (DRY CONTACTS ONLY) to the RO control terminals marked “Tank Full Low”.
6. Connect the Low Water Alarm Float wires (DRY CONTACTS ONLY) to the Alarm Panel. (See alarm panel wiring diagram for details.)
7. Connect the Low Water Pump Off Float wires (FOR 120VAC) to the Distribution Pump Panel. (See distribution pump wiring diagram details.)
8. Install the vent filter cartridge into the vent filter housing.
9. Insure the rupture disk is intact.
10. Connect the Distribution Loop Return to the return manifold piping.

Maintenance

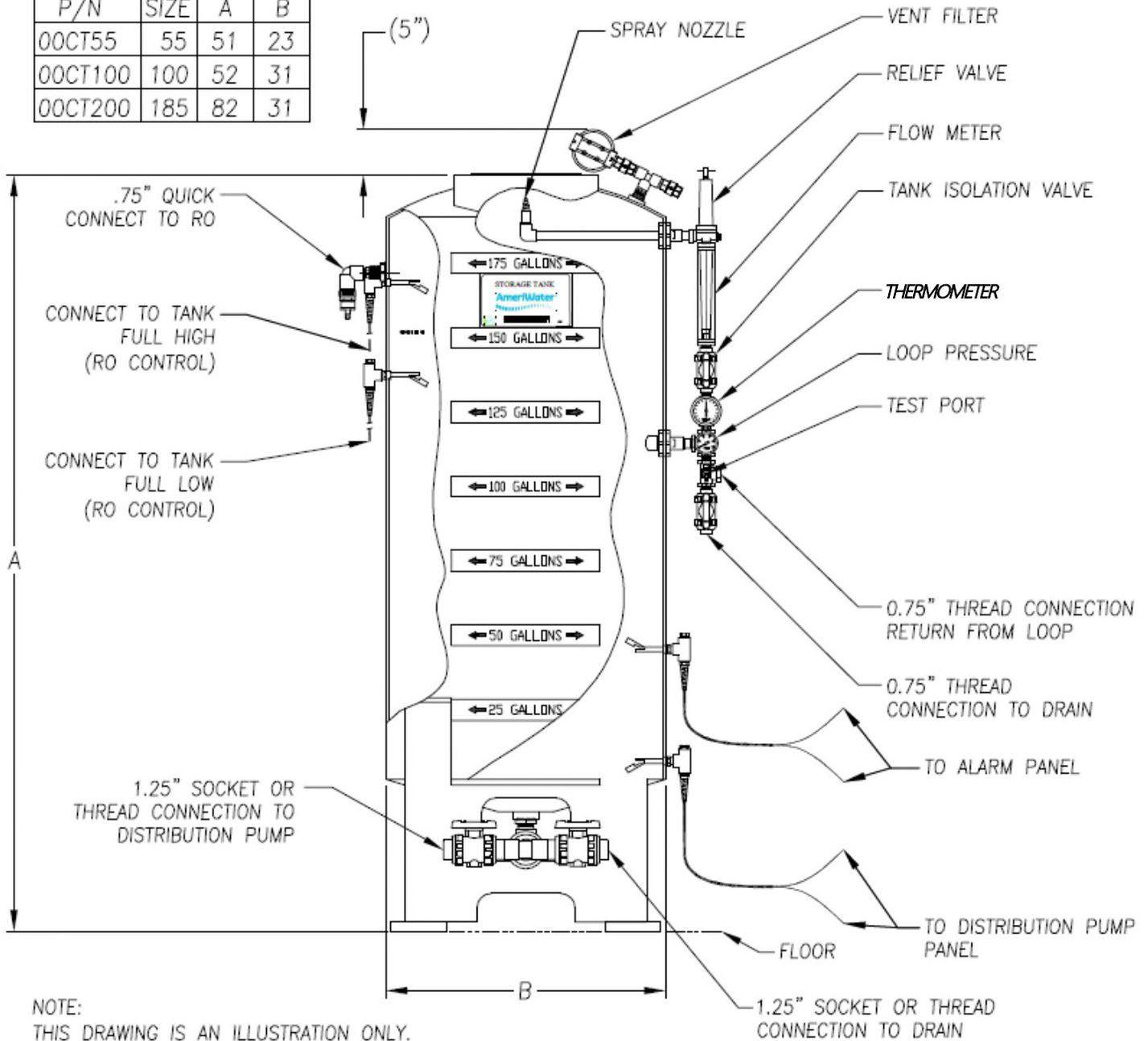
1. Inspect vent filter daily for signs of moisture.
Replace the vent filter annually or when the filter cartridge gets wet.
2. The recommended disinfection of the tank should be performed monthly.
3. Replace the rupture disk, after each monthly disinfection.
4. Check for signs of leaks.

Replacement Parts

Description	Part Number
Filter Cartridge Submicron, 0.2 Micron, 2-½" x 10", Doe (1 Required)	20-3021
Flow Meter 0-10GPM, ¾"FPT	41530604
Flow Meter 0-17GPM, 1"FPT	41F41017LN-12
Flow Meter 5-25GPM, 1"FPT	41F42025LN-16
Flow Meter 8-40GPM, 1.5"MPT	41-5002
Relief Valve .5"NPT,POLYPRO	45760178
Relief Valve .75", MXF, In/Out	45601225
Relief Valve 1", FXF, In/Out	45731381
Relief Valve 1.5"NPT,ANGLE PATTERN	45760181
Float Switch Assembly W/Spiral	0167-0010
Float Switch Assembly W/Spiral+CORD,120V	0167-0019
Thermometer .5"MPT,0-140F	39530708

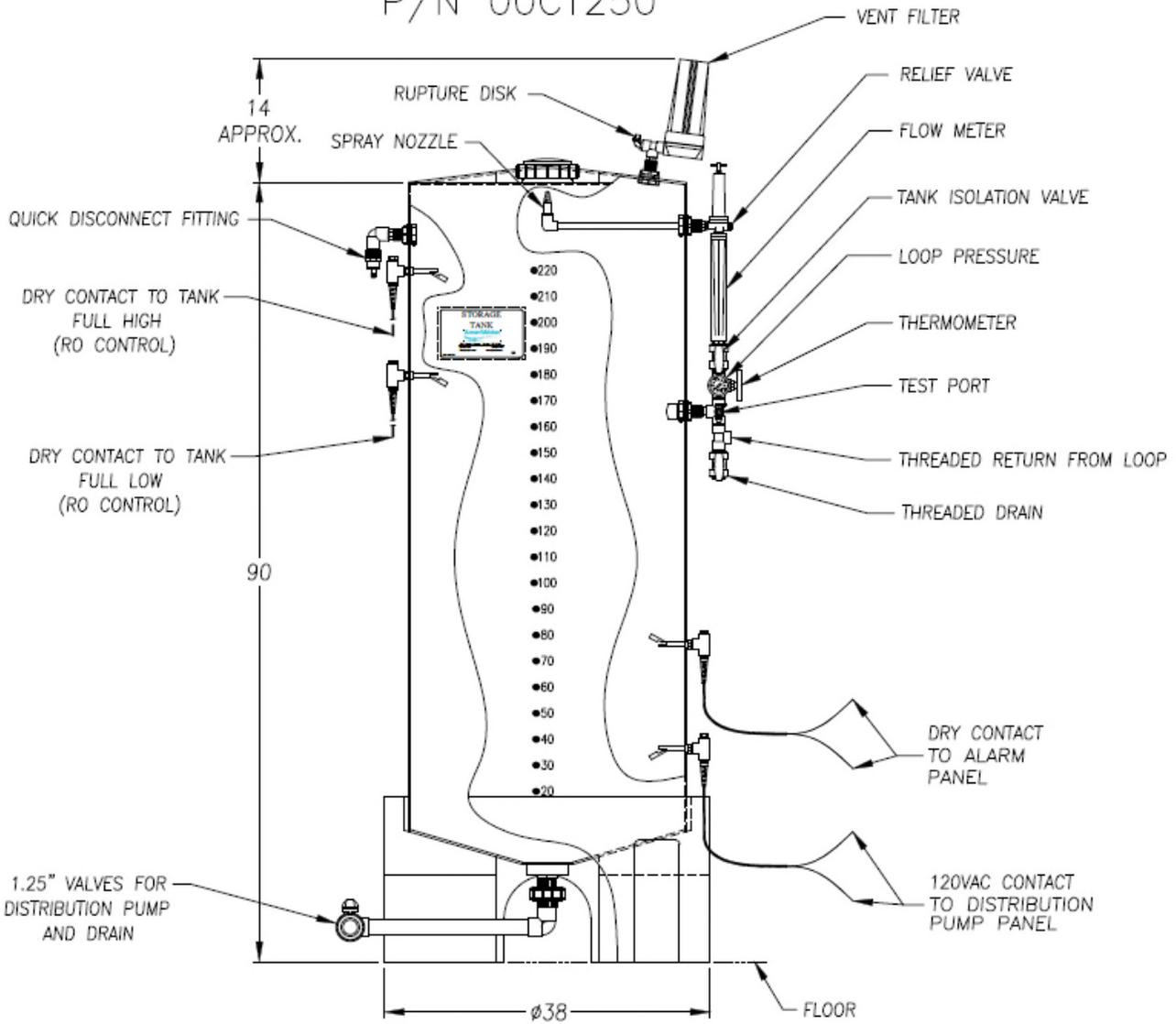
STORAGE TANK – 55, 100 & 185 GALLONS

TANK		DIM'S	
P/N	SIZE	A	B
00CT55	55	51	23
00CT100	100	52	31
00CT200	185	82	31



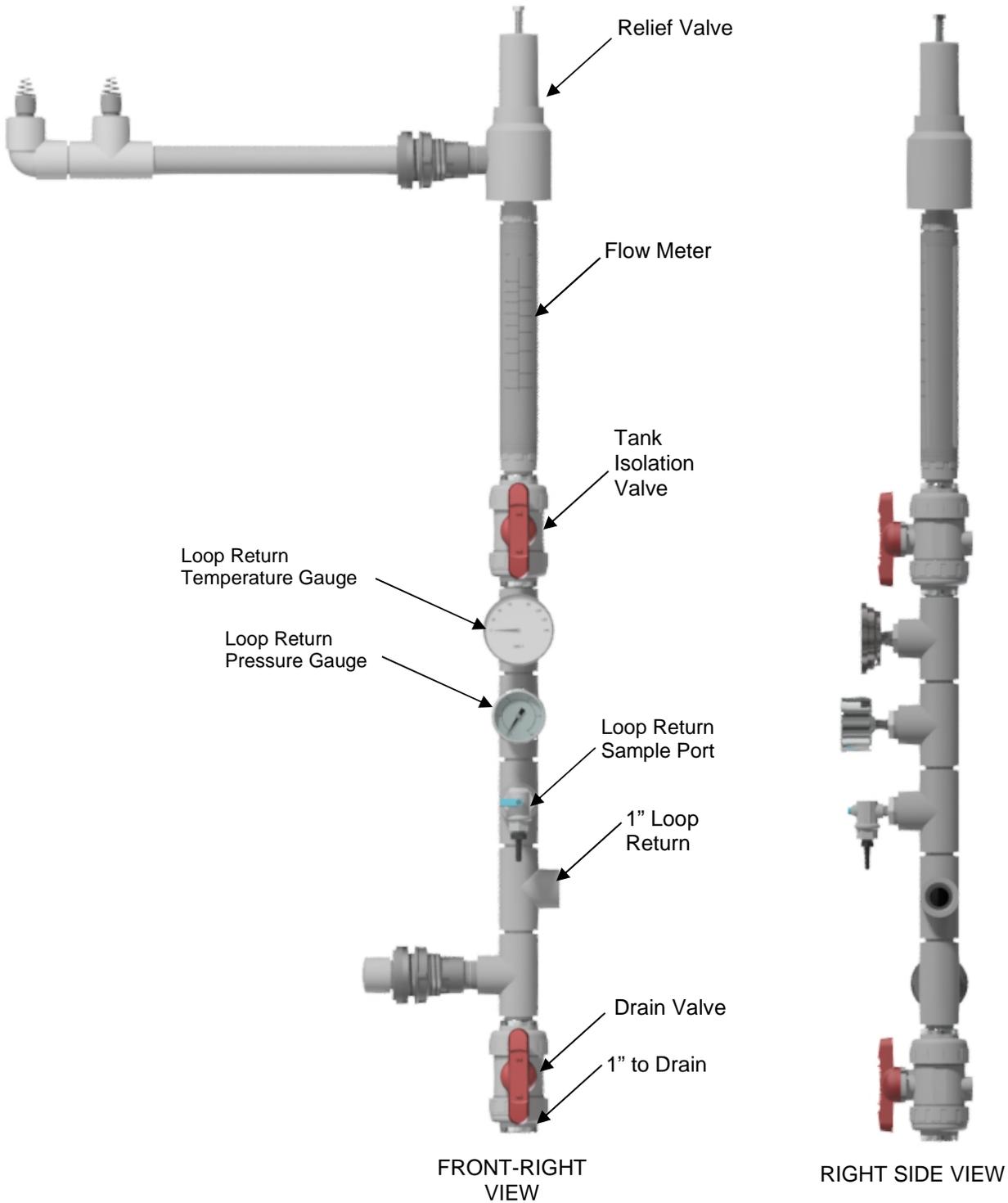
NOTE:
THIS DRAWING IS AN ILLUSTRATION ONLY.
SOME ITEMS ARE SHOWN OUT OF POSITION.

STORAGE TANK — 250 GALLONS P/N 00CT250



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OPTIONAL FLOW METER ASSEMBLY 5-25GPM 1" RETURN



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OPTIONAL FLOW METER ASSEMBLY 8-40GPM 1½" RETURN

