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ENGINEERING DATA SHEET: SINGLE PASS DEIONIZED WATER SYSTEM (SPDI)



*REsys Inc. 4560 Ridge Drive NE Salem, OR 97301 Toll Free: 800-873-7379 / 503-393-8000
www.resysinc.com*

SINGLE PASS DEIONIZED WATER SYSTEM (SPDI)

Applications:

SPDI is a single pass DI Water System. It is a straightforward design that converts facilities water into DI water. Utilizing city water pressure the unit provides the necessary components to generate DI water. The SPDI is an entry level DI water system. The startup cost is low, and the level of maintenance is minimal. The fluid dynamic components are pre-installed in an aesthetically pleasing package.

System Key Features:

- Compact extruded aluminum frame
- Leveling legs
- White polypropylene structural support
- 2.5" x 20" Commercial Filter Housings (Pre and Post Filter)
- Filter Inlet / Outlet Pressure Gauges
- Valves to shut off water supply
- Valves to simplify filter replacement
- PVC plumbing

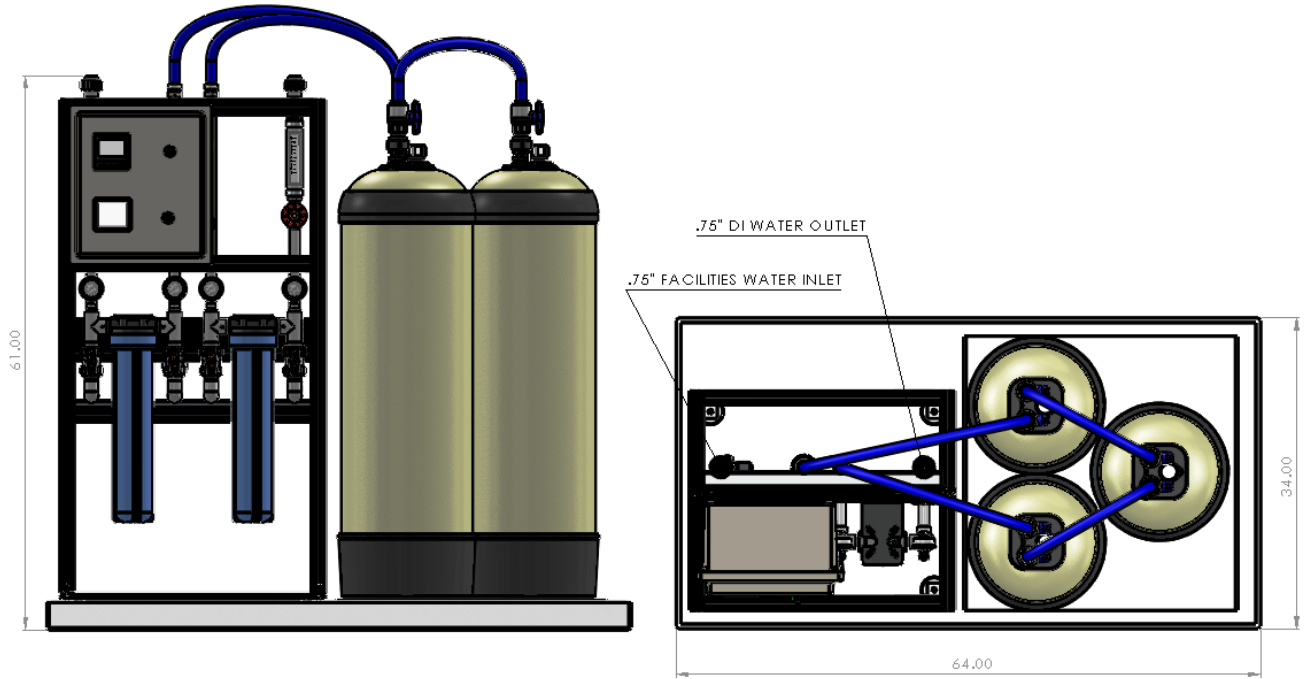
System Upgrades:

- Resistivity Indicator lights (100 kohm, 1 megohm)
- Digital Resistivity Meter (0 – 18.3 megohm)
- Analog Flow Meter (0 – 10 GPM)
- Analog Flow Totalizer (GPM)
- Polypropylene Spill Containment Tray
- High Level Protection (Polypropylene Spill Containment Tray Required)
 - Liquid level sensor
 - Automatic source water shut-off valve
 - Audible alarm

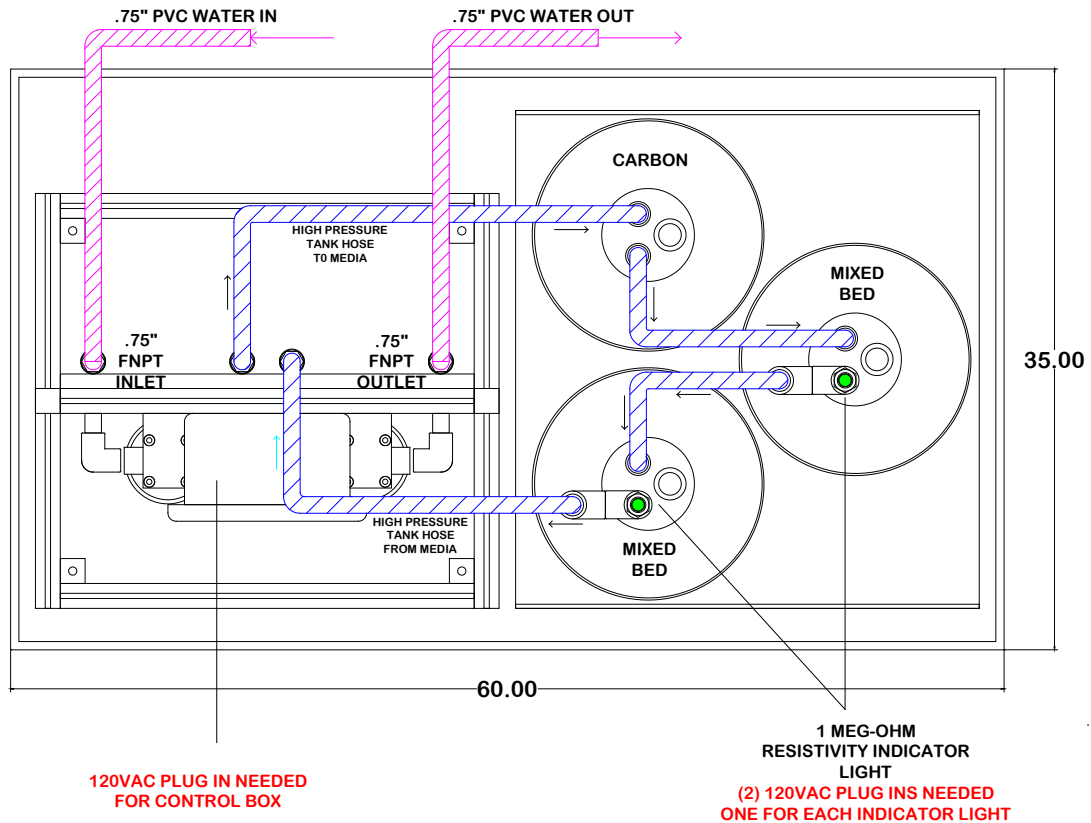
SPECIFICATIONS:

- Dimensions: 60" x 35" x 65.0" plus hoses
- Flow Rate: 0 – 10 GPM (depends of DI Bottle size)
- Output Pressure: Pressure is a function of the incoming city water
- Water Quality: Dependent on DI Bottle configuration (16+ megohm typically)
- Power: 110 VAC, 3 Phase, 60 Hz (1 Amp)
- Weight Dry: 155lbs
- Shipping Weight: 325 lbs
- Shipping Dimensions: 66" x 45" x 72"

DIMENSIONS: SINGLE PASS DI WATER SYSTEM WITH POLYPROPYLENE DRIP TRAY: SHOWN W/ 3.6 FT.3 VESSELS



FUNCTIONAL DIAGRAM: SINGLE PASS DI WATER SYSTEM WITH POLYPROPYLENE DRIP TRAY



DI BOTTLE SIZE OPTIONS TO MEET FLOW RATE DEMANDS:

