

**SDC51** provides scalable filtration & distribution, and has a superior fresh-water backwash cycle for most commercial & industrial wash-water recycling systems.

The SDC51 is the perfect companion to the Smart Technologies systems: ST400 (Treatment System and Control Center) & STS10 (Oil/Water Separation)

**STANDARD:**

- Fully fabricated (welded) uni-body tank/skid construction made of polypropylene.
- 500-gallon HDPE Product Tank
- 14 inch dia. filter tank with Clack WS1EE control valve & *Turbidex* filter media.
- Side-Stream Filtration, the pump is timer controlled. Wash More = Filter More
- Product Tank Aeration scrubs dissolved gases (e.g., hydrogen sulfide, methane) and helps oxidize dissolved metals (e.g., iron).
- Filtered water is distributed via a gravity feed manifold or a 45 PSI, 21 GPM booster pump. Need more capacity? Just add another pump (in-series or parallel).
- Backwash is controlled remotely via the WS1EE differential pressure switch input. It “holds” the timed backwash cycle until fresh make-up water is required. This allows fresh tap water to be used for backwashing without compromising system water levels.
- UL Listed 230V (1PH or 3PH) or 460V (3PH) control.

**OPTIONAL:**

- Product Tanks 300 gal. up to 2000 gal.
- 16” (1.4 sq.ft.) or 21” ( 2.4 sq.ft.) filter tanks, covers flow rates from 21 to 48 GPM.
- *Mycelx* Brand pre-filters remove hydrocarbons.



• *Pathex* Brand filter media kills bacteria and helps keep the Product Tank free of biological growth.



	length (inches)	width (inches)	height (inches)	volume (gallons)
<b>SDC51</b>	<b>54</b>	<b>40</b>	<b>84</b>	<b>500</b>

	Media (GPM per sq.ft.)	Micron Efficiency	Loading Factor	Mesh
<b>Turbidex</b>	<b>15 to 20</b>	<b>3 to 5</b>	<b>2.8X</b>	<b>14x30</b>
<b>Pathex</b>	<b>up to 20</b>	<b>&lt;5</b>	<b>-</b>	<b>20x40x70</b>



Oilfield #1, Gardendale, TX



Road Equipment #1  
San Antonio, TX



Oilfield #2, Gardendale, TX



Oilfield #3, Gardendale, TX

Oilfield #1, #2, #3 and Road Equipment #1 are all actual samples from SDC51 product tanks installed in 2018.

No odors, no suspended solids to clog the pressure washer, only very minimal tinting from DOC (dissolved organic carbon) which can be removed with an (optional) activated charcoal filter.

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