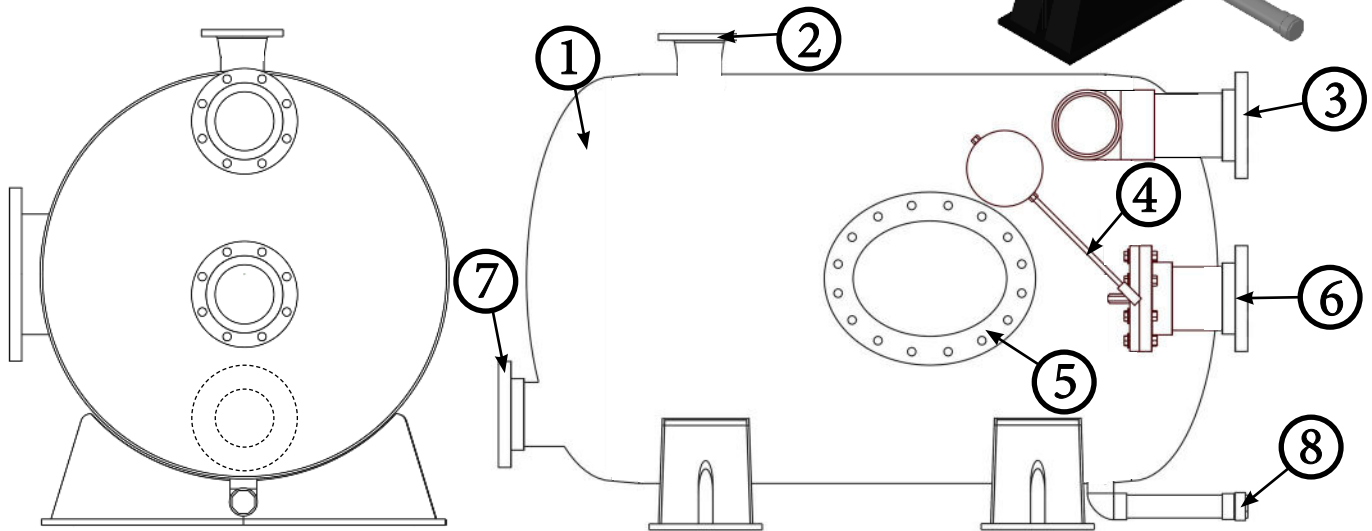
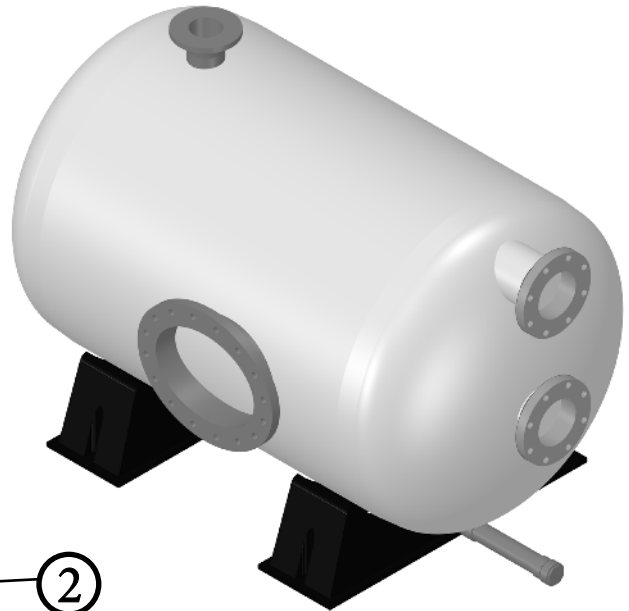


Fluidtrol's surge tanks are designed to store displaced water in pools to maintain a consistent water level and prevent flooding of the gutter system. The surge tank regulates the flow based on the water level utilizing a modulating float valve, limiting the pressure and speed of water back into the pools filtration system.

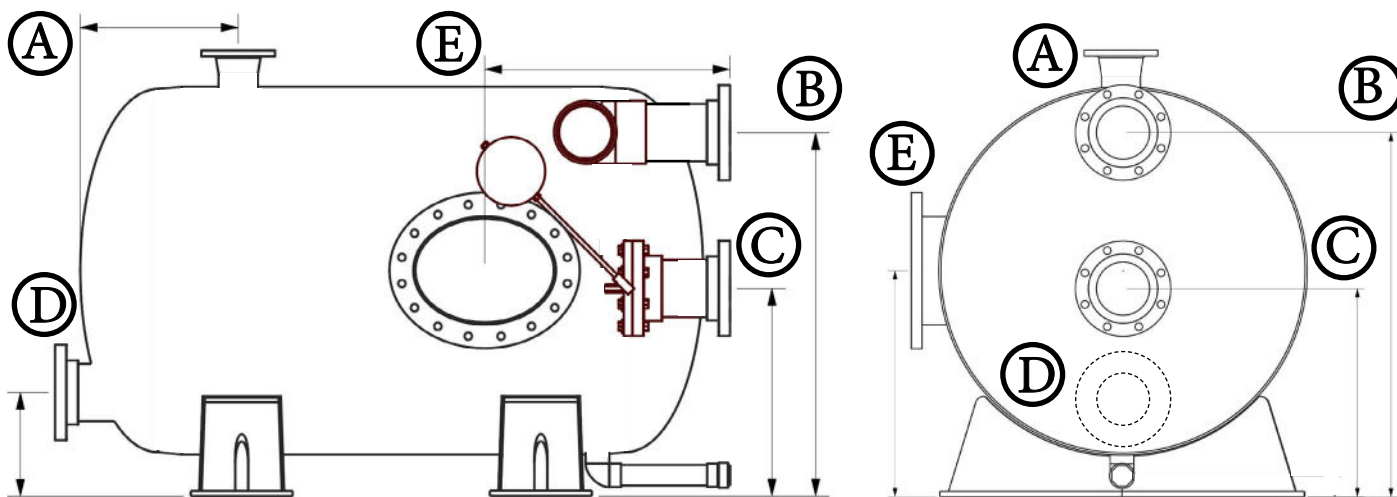
The tank must be installed below pool deck water level with the vent line above water level to function properly. Tanks are available in different lengths and diameters for maximum surge capacity. Multiple tanks can also be used in tandem using an equalizer line if space limitations are a concern. A clear side mounted probe chamber for use with a water level controller is recommended and is available upon request.

Each surge tank is specifically designed and engineered to accommodate each individual application. 1 gallon per each sq. ft. of the pool's surface area is typical, but local health codes need to be considered and verified.



Item	Part	Material	Description
1	Tank Body	FRP	Available in different sizes for maximum surge capacity
2	Vent	PVC (Van Stone)	Vent flange connection; must be vented above water level
3	Gutter	PVC (Van Stone)	Gutter drain connection w/ internal elbow to divert turbulence
4	Float Valve	Polypropylene, Butyrate, T304SS	Regulates water level in tank from main drain piping (#6)
5	Manway w/ Cover	2" clear acrylic	Provides internal viewing of tank operation
6	Main Drain	PVC (Van Stone)	Main drain connection
7	Pump Suction	PVC (Van Stone)	Pump suction connection
8	Drain Valve	FRP	Integral 2" threaded tank drain





DIAMETER	30"	36"	42"	48"	54"	60"	66"	72"
STRAIGHT SHELL LENGTH	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"
TOTAL OVERALL LENGTH	6'-0"	6'-2"	6'-4"	6'-5"	6'-7"	6'-10"	7'-2"	7'-2"
FULL CAPACITY (GALLONS)	202	296	411	547	704	885	1089	1319
SURGE CAPACITY (GALLONS)	66	137	243	361	515	681	871	1069
MANWAY SIZE	16" x 14"	16" x 14"	16" x 14"	16" x 14"	16" x 14"	16" x 14"	16" x 14"	16" x 14"
CALCULATED ESTIMATED WEIGHT (LBS)	505	570	630	730	905	995	1140	1380
ADDED CAPACITY PER ONE FT. OF SHELL	35	52	71	93	118	146	177	210
ADDED SURGE CAPACITY PER ONE FT. OF SHELL	11	23	41	61	86	112	140	172

Provide Flange Sizes Below

"A" - VENT CONN.								
"B" - GUTTER CONN. (WITH ELBOW)								
"C" - MAIN DRAIN CONN. W/FLOAT VALVE	24"*	24"*	24"*	24"*	24"*	24"*	24"*	24"*
"D" - PUMP SUCTION CONN.								
"E" - CLEAR MANWAY WITH COVER								

	ID	OD	BC	Holes	Hole Ø	Thk.
"A" Vent						
"B" Gutter						
"C" Main Drain						
"D" Pump Section						
"E" Manway w/ Cover						

\*Typical Location - Subject to design review of desired location to be provided by customer.

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