

# MAXIMUM CONTACT TANKS



FIBERGLASS WRAPPED & PE LINER



## Features

- Convenient inlet/outlet piping connection at the top of the tank
- Inlet/outlet adapter easily accommodates the use of a vacuum breaker
- Inlet/outlet buttress thread for strength
- Full 3/4" (1.050" O.D.) pipe quick connect blowdown drain at lowest point of tank
- 360 degree drain orientation
- Black one piece polyethylene liner for impact and corrosion resistance
- Includes 1-1/4" socket and 1-1/2" spigot PVC straight solvent fitting kit (P/N LC-V3007-07) and 1-1/4" plastic straight male NPT fittings (P/N LC-V3317)
- Bypass valve option available (P/N LC-V3006)
- 5 year limited warranty
- Tested and Certified by NSF International against NSF/ANSI/CAN Standard 61 for material requirements and NSF/ANSI/CAN 372
- Made in USA

## Specifications

- 75 psi (517 kPa) maximum operating pressure
- 120°F (49°C) maximum operating temperature
- 0 maximum allowable operating vacuum
- A vacuum/pressure relief valve of adequate size must be incorporated in the plumbing

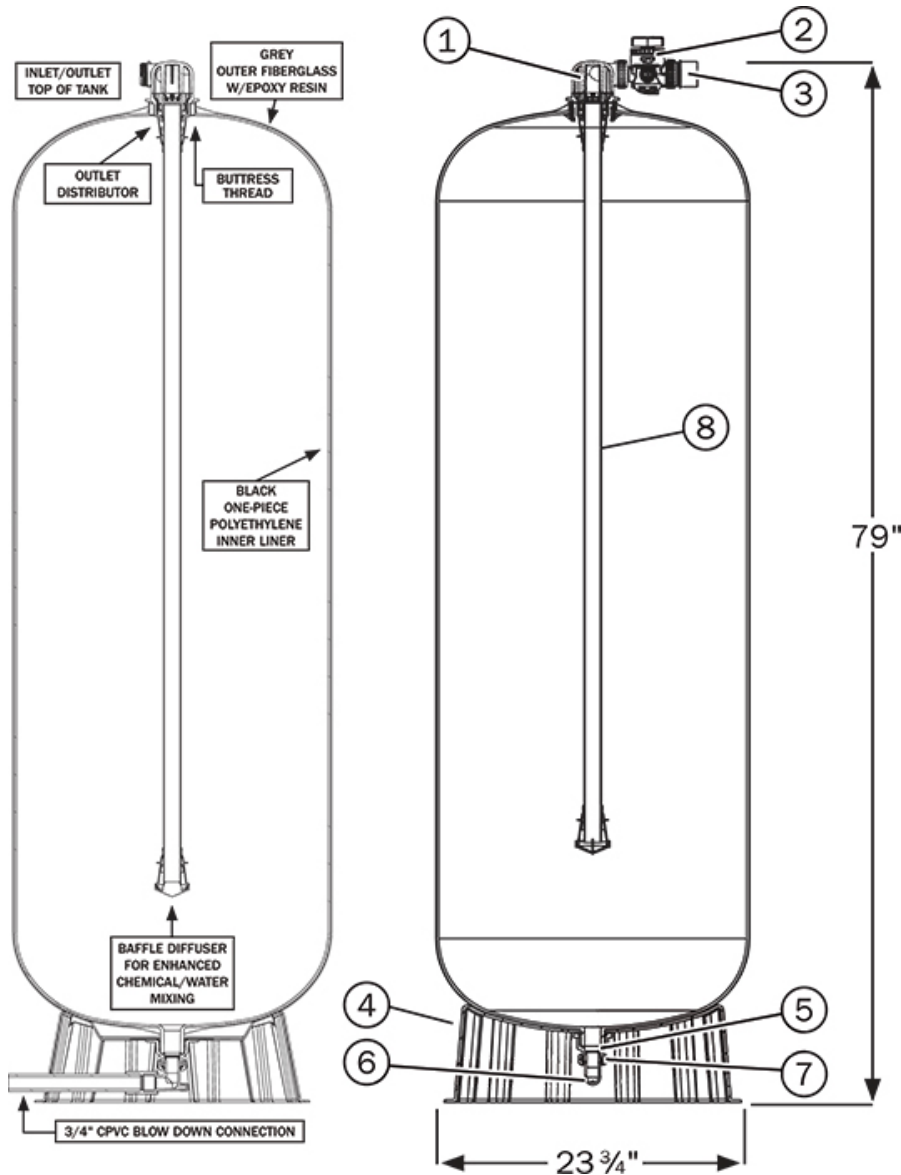
Part Number	Tank Assembly Diameter		Tank Assembly Height		Capacity		Shipping Weight		Carton Qty.
	inch	mm	inch	mm	gallon	liter	lb	kg	
LC-CT120	24	607	78.5	1,994	120	454	80	36	1

NOTE: This Maximum Contact Tank is designed specifically for use as a bacteriological disinfection contact tank and is not designed for use as an oxidation contact tank. The baffle diffuser assembly mounted at the bottom of the inlet distributor piping is located at the bottom of the tank for maximum chemical/water mixing and does not allow area for any buildup of precipitated or oxidized matter in the bottom of the tank.

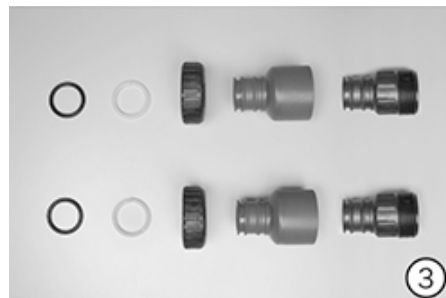
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Item	Description
1	In/ Out Head
2	LC-V3006 WSI Bypass Valve (optional)
3	WSI 1-1/4" x 1-1/2" Solvent Kit WSI 1-1/4" Plastic Male NPT
4	RT Tank Base
5	RT Tank Drain Adapter O-ring for Drain Adapter
6	WS1 Elbow 3/4" Quick Connect 3/4" x 10" CPVC Pipe
7	WS1 Nut 1" Quick Connect WS1 Split Ring WS1 O-ring
8	Riser

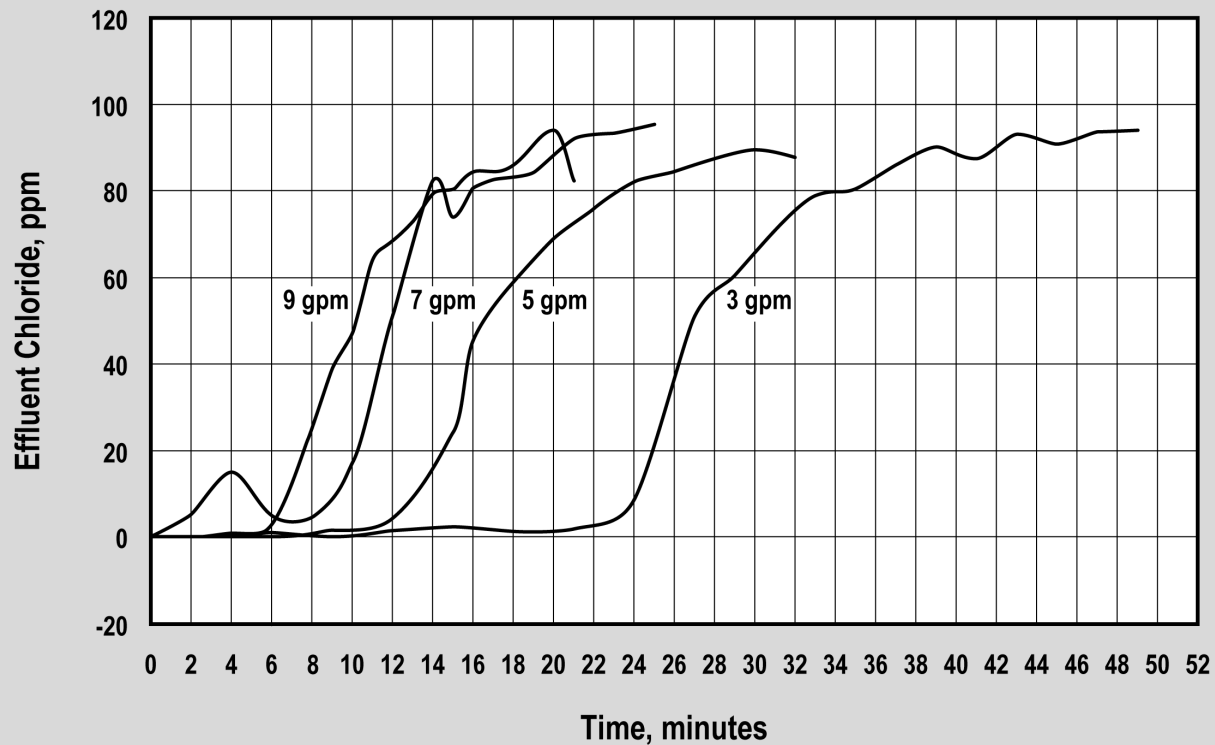


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## Tracer Study Results (100 ppm chloride influent)



Average Baffle Factor: 0.56

Tank Volume gallon	Flow Rate gpm	T* minutes	T10** minutes	Baffling Factor T10/T
120	3	40.0	24.25	0.61
120	5	24.0	13.10	0.55
120	7	17.1	9.25	0.54
120	9	13.3	6.85	0.52

\* T is the contact time (tank volume divided by flow rate).

\*\* T10 is the time at which 10% of the influent concentration is measured at the effluent of the tank.