

CromaFlow 1,000 Gallon Aerated Sludge Processing Tank SPECIFICATIONS

The 1,000 Gallon sludge processing tank (SPT) is constructed with a fiberglass tank, noncorrosive internal parts, PVC schedule 40 and/or schedule 80 piping, stainless steel trash screening, one (1) submersible aeration pump with venturi system, and one (1) adjustable submersible decant pump sized to meet total dynamic head requirements of decant, and remote I.O. controls with remote monitoring/operations.

	<i>CROMAFLOW 1,000 SPT</i>	<i>U.S.A customary units</i>	<i>Metric</i>
1	Tank dimensions	7'11"L x 5'7"W x 5'7"H	2.4 m x 1.7 m x 1.7 m
2	Total tank volume	1,000 gallons/Day	3.8 m ³ /day
3	Working tank volume	923 gallons	3.5 m ³
4	Minimum aeration volume	243 gallons	919.9 liters
5	Clarifier volume	N/A	
6	Decant volume	Adjustable	
7	Decant cycles	changeable	
8	Surge capacity	290 gallons	1.1 m ³
9	Aeration capability(with standard pumps)	6.5 lbs. O ₂ /day	2.94 kg O ₂ /day
10	Standard aerator efficiency (SAE)	0.81 lbs. O ₂ /hp-hr.	0.37 kg O ₂ /hp-hr.
11	Oxygen transfer rate (OTR)	0.27 lbs. O ₂ /hr	0.12 kg O ₂ /hr
12	Minimum design dissolved oxygen (DURING AERATION AT ≤DESIGN MLVSS)	2.0 mg/L	2.0 mg/L
13	Retention time	N/A	

Power: Designed per site requirements. Electrical is designed project specific 50 or 60 Hz.

Control panel: Remote I.O. controls intergraded into treatment system control panel.

Alarm System: Red, yellow, green stack light with remote monitoring/operations to the internet via a dedicated IP address.

Tank construction materials: molded chopped strand fiberglass reinforced using isophthalic polyester resin and finished with marine grade gel coat.

Aeration equipment: Differential pressure injectors (venturi system) in combination with submersible pumps.