

CromaFlow 3,000 Gallon Aerated Sludge Processing Tank SPECIFICATIONS

The 3,000 Gallon sludge processing tank (SPT) is constructed with a fiberglass tank, noncorrosive internal parts, PVC schedule 40 and/or schedule 80 piping, two (2) submersible aeration pumps 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 3,000 EQ</i> | <i>U.S.A customary units</i> | <i>Metric</i> |
|----|--|----------------------------------|--------------------------------|
| 1 | Tank dimensions | 14'10"L x 6'10"W x 6'10"H | 4.5m x 2.1m x 2.1m |
| 2 | Total tank volume | 3,000 gallons/Day | 11.36 m ³ /day |
| 3 | Working tank volume | 2,910 gallons | 11.02 m ³ |
| 4 | Minimum aeration volume | 1,071 gallons | 4.05 m ³ |
| 5 | Clarifier volume | N/A | |
| 6 | Decant volume | Adjustable | |
| 7 | Decant cycles | changeable | |
| 8 | Surge capacity | 1,839 gallons | 6.96 m ³ |
| 9 | Aeration capability(with standard pumps) | 19.44 lbs. O ₂ /day | 8.82 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) | 0.40 lbs. O ₂ /hr | 0.18 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.