SPECIFICATIONS

POWER:
115v/230v – Single Phase
230v/460v – 3 Phase available
50 Hz/60 Hz

CONTROL PANEL:
Nema 1 enclosure standard
Nema 3R, 4, 7 and 12 available

ALARM:
Red light mounted on panel with optional audible alarm
CromaWatch I/P

CONSTRUCTION MATERIALS:
Tank – Fiberglass
Comminution Chamber – Fiberglass and stainless steel screen
Piping and Fittings – Schedule 40 and Schedule 80 PVC
Metal Fittings – Stainless steel

PUMPS	TOTAL HEAD – FEET (METERS)					AMPERAGE	
MODEL	5 (1.52)	10 (3.05)	15 (4.57)	20 (6.10)	25 (7.62)	MAX. RUN AMPS.	LOCKED ROTOR AMPS.
	CAPACITY – G.P.M. (L/MIN.)						
1/3 H.P. DISCHARGE	52 (114)	42 (98)	29 (76)	16 (45)		12	15.6
1/3 H.P. WE0311M	85 (322)	70 (265)	52 (197)	35 (132)	14 (53)	10.7	32.2
1/2 H.P. WSO511B	150 (567)	120 (454)	90 (340)	52 (196)	8 (30)	14.5	34.9
1 H.P. WS1012B	—	180 (681)	157 (595)	127 (481)	95 (360)	12.3	—

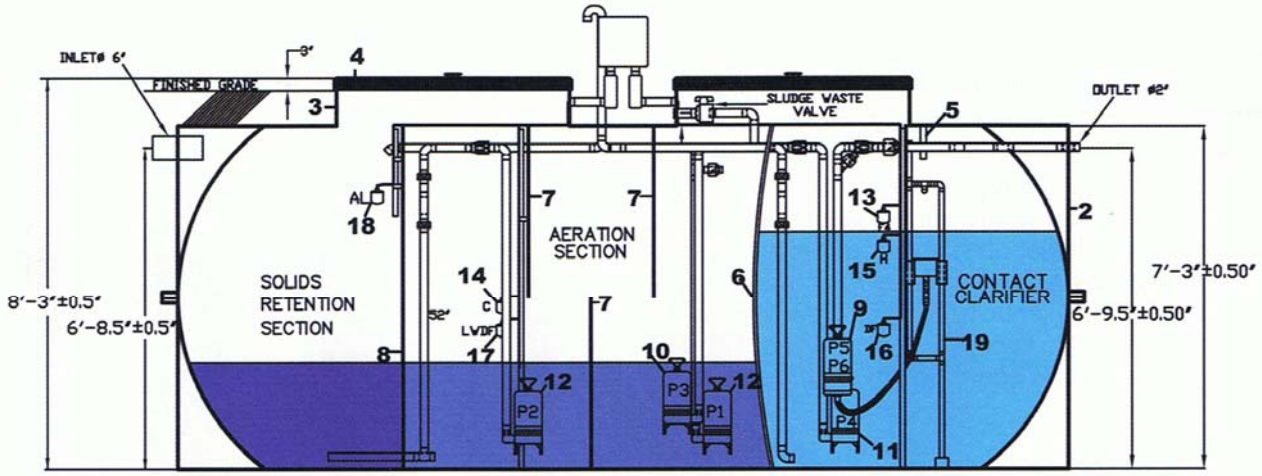
ADDITIONAL SYSTEM SPECIFICATIONS

MODEL	LENGTH	WIDTH	HEIGHT	SHIPPING WEIGHT LBS. (KG.)	24 HR. MAX. CAPACITY GALS. (M^3)	STNDRD DISCHG. VOL. GALS. (M^3)	STNDRD DISCHG. PER DAY	DENITE DISCHARGE VOL. GALS. (M^3)	DENITE DISCHARGE PER DAY	ELECTRICAL CONSUMPTION KWH/24 HRS.	TANK VOLUME GALS. (M^3)	TOTAL AMPS REQUIRED 120v/230v
CA-5	7'11" (2.4m)	5'7" (1.7m)	5'7" (1.7m)	652 (296)	500 (1.9)	85 (.32)	6	n/a	n/a	8.0	923 (3.5)	15a - 120v
CA-12	11'3" (3.4m)	5'7" (1.7m)	5'7" (1.7m)	967 (439)	1200 (4.5)	200 (.76)	6	800 (3.0)	4	8.0	1358 (5.1)	15a - 120v
CA-15	11'3" (3.4m)	5'7" (1.7m)	5'7" (1.7m)	967 (439)	1500 (5.7)	250 (.95)	6	1000 (3.8)	4	10.0	1358 (5.1)	20a - 120v
CA-25	14'10" (4.5m)	6'10" (2.1m)	6'10" (2.1m)	1720 (780)	2500 (9.5)	420 (1.6)	6	n/a	n/a	21.0	2910 (11.0)	40a - 120v
CA-30	14'10" (4.5m)	6'10" (2.1m)	6'10" (2.1m)	2070 (939)	3000 (11.4)	375 (1.42)	8	2250 (8.5)	6	55/66*	2910 (11.0)	60a - 230v
CA-50	19'5" (5.9m)	7'4" (2.2m)	8'3" (2.5m)	2684 (1217)	5000 (18.9)	625 (2.37)	8	3750 (14.2)	6	55/65*	4590 (17.4)	60a - 230v
CA-60	19'5" (5.9m)	7'4" (2.2m)	8'3" (2.5m)	2684 (1217)	6000 (22.7)	600 (2.27)	10	3600 (13.6)	6	55/65*	4590 (17.4)	60a - 230v
CA-100	42'10" (13.1m)	7'4" (2.2m)	8'3" (2.5m)	4885 (2216)	10,000 (37.9)	1000 (3.79)	10	6000 (22.7)	6	60/78*	9186 (34.8)	100a - 230v
CA-120	42'10" (13.1m)	7'4" (2.2m)	8'3" (2.5m)	4885 (2216)	12,000 (45.4)	1000 (3.79)	12	6000 (22.7)	6	60/78*	9186 (34.8)	100a - 230v
CA-150	42'10" (13.1m)	7'4" (2.2m)	8'3" (2.5m)	4950 (2245)	15,000 (56.8)	1250 (4.73)	12	7500 (28.4)	6	82/100*	9186 (34.8)	100a - 230v

‡ * Dependent on biological and hydraulic loading, electrical consumption may vary.

[1] System Specifications are subject to change without notice.
‡ Larger sizes now available.

PROCESS DESCRIPTION



1. Aerobic Wastewater Treatment Plant Model CA-50
2. Tank Model CA-50
3. Manhole
4. Cover
5. Quarter Baffle
6. Concave Baffle
7. Baffles
8. Screen Baffle
9. Discharge Pumps - Duplex
10. Transfer Pump
11. Sludge Return Pump
12. Aeration Pump P1 & P2
13. Float - Sludge Return F1
14. Float - Discharge F1
15. Float - Discharge Alarm
16. Float - Discharge Shut Off
17. Float - Dual Aeration
18. High Water Alarm
19. Floating Discharge Assembly

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