



FLUID EXPONENTS INC[®]

ENVIRONMENTAL TECHNOLOGY SOLUTIONS

(SUBSIDIARY FLUIDYNE CORP.)



Fluid Exponents Inc. (FLUIDEX) prides itself for its continued commitment to conservation, recycling, reuse, and recovery of mineral resources for the betterment of the environment. From personal and residential products, to commercial and industrial applications, Fluid Exponents Inc. (FLUIDEX) promotes healthy living and conservation of precious natural resources.

- PRODUCTS
- PROJECTS
- TECHNOLOGIES



NEWTERRA/STONECREST MUNICIPAL SEWAGE TREATMENT PLANT
250-500 CMD



60 TRANSIT BUS WASHWATER TREATMENT PLANT
1-2 LPS



NEWTERRA/STONECREST MUNICIPAL SEWAGE TREATMENT PLANT
250-500 CMD

In 2011, Fluidyne Corporation was founded for R&D of several environmental products and technologies for water/wastewater treatment, mine tailings, and waterways rehabilitation and fuel boosters for transportation industries using catalysation and partial hydrogenation.

In 2016, Fluid Exponents was formed to manufacture what Fluidyne has designed, expanding the knowledge the founder has developed for his more than 30 years in the HVAC-R industry.



SMITH GARDENS CARROT WASHWATER TREATMENT PLANT
50-150 CMD

SCAN ME!



190 West Street, Unit 1
Brantford, Ontario
Canada N3R 3T9

www.fluidexponents.com

647 786 4077
inquiry@fluidexponents.com

FLUIDYNE INTERNATIONAL CORP.
www.fluidynter.com

507 81st Street
Noth Bergen
NJ USA 07047

201 574 6504
inquiry@fluidynter.com



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OUR MISSION

To bring to market products, technologies and services that are safe; that preserves the environment and at the same time enhance our daily lives by reducing polluting contaminants in the air, soil and water. To develop technologies that can be brought to developing countries, not only to help sustain their environmental and clean energy needs but also create a local industry that improves the people's livelihood.

OUR TEAM

Emmanuel "Noel" G. Moya, P.E., MSc., PhD.

President / CEO

Electro-Mechanical-Systems Engineering
with Microbiology Practice

Victor EJ Moya, EIT

AVP—Process

Industrial / Environmental Engineering

Marcelino Mendizabal, BSME

Project Manager / Partner

Electro / Mechanical Engineering

Keyvan Alamdari, P.Eng.

Project Manager / Partner

Mechanical / Process Engineering

Ashwani Kumar, P.Eng.

Project Manager / Partner

Mechanical / Process Engineering

Alaine Crisostomo, Ch.Eng.

Project Manager / Partner

Chemical Engineering

Jack Tang, P.Eng.

Project Engineering / Electrical Installations

Jason Mondano

Project Design Engineering

And Architecture

Edna Moya, B.Sc.

Executive and Business Administration

TECHNICAL CONSULTANTS

Derk Maat, P.Eng.

Environmental and Process

Hardy Wong, P.Eng.

EPA and Law

WATER FILTRATION PRODUCTS FOR COOLING TOWERS



Centrifugal Separator



UV Light Sterilizer
1"-8" in/out
75-1050 W
5-100 gpm



Mixed Bed Ion Exchanger
1"-8" in/out
1.4-240 Tph



Reverse Osmosis Housing
1/2"-3/2"-1" in/out
350 psi



Sterile Water Tank 316 SS
1"-3" in/out
100 psig



Multimedia Filter
2"-8" in/out
40-350 gpm
24"-60" ø



Low Pressure Filter Bag Housing
3/4"-3" in/out
60 psig



Sanitary Plate Cartridge Filter
3/4"-3" in/out
60 psig
10-45 gpm

316 SS PRESSURE VESSELS & MULTI-MEDIA FILTERS



2-Stage Countertop Water Filters in Polished 316 SS Case Material



3-Stage Countertop Water Filters in Polished 316 SS Case Material



Auto-Refilling Hot / Cold Water Dispensers



FEPUVI 1.0R



INDUSTRIAL COMMERCIAL UV LIGHT STERILIZERS

WATER CONDITIONING & DESCALERS



ELECTRONIC PRECIPITATOR / DESCALER



7-STAGE UNDER-COUNTER R.O. SYSTEM

RESIDENTIAL/ COMMERCIAL WATER SOFTENER



WATER CONDITIONING SYSTEM

OZONATORS FOR NON-CHEMICAL DISINFECTION



MODEL 1
10 GR/HR



MODEL 2
20 GR/HR



MODEL 3
30 GR/HR



MODEL 4
40 GR/HR



MODEL 5
50 GR/HR



COOLING TOWER FILTRATION & DISINFECTION



HIGH RISE BUILDING/CONDO WATER CONDITIONING

CUSTOM-BUILT PACKAGED WATER / WASTEWATER TREATMENT PLANT



PRAIRIE WEST ICE CREAM WASTEWATER TREATMENT PLANT
3-5 LPS



GO TRANSIT WASTEWATER TREATMENT PLANT
1-5 LPS



FOOD SPECIALTIES WASTEWATER TREATMENT PLANT
1-2 LPS



RESIDENTIAL WATER FILTRATION AND CONDITIONING
0.5-1 LPS



FT-23

3 Nominal Tons based on design of 95/85/75 @ 9 GPM

Fan Motor	1/6 HP, 110/220V, 1PH, 60Hz <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	45,000 BTU/hr
Air Volume	870 CFM
Water Inlet	1.5"
Water Outlet	1.5"
Tower Diameter	27 1/8"
Tower Height	50"
Operating Weight	227 lbs.
Dry Weight	84 lbs
Nozzle Type	Round, Female (NPT) Threaded, Nylon



FT-25

5 Nominal Tons based on design of 95/85/75 @ 15 GPM

Fan Motor	1/6 HP, 110/220V, 1PH, 60Hz <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	75,000 BTU/hr
Air Volume	2,100 CFM
Water Inlet	1.5"
Water Outlet	1.5"
Tower Diameter	33.5"
Tower Height	52"
Operating Weight	229 lbs.
Dry Weight	86 lbs.
Nozzle Type	Round, Female (NPT) Threaded, Nylon



FT-28

8 Nominal Tons based on design of 95/85/75 @ 23 GPM

Fan Motor	1/6 HP, 110/220V, 1PH, 60Hz <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	120,000 BTU/hr
Air Volume	2,620 CFM
Water Inlet	1.5"
Water Outlet	1.5"
Tower Diameter	33.5"
Tower Height	56"
Operating Weight	315 lbs.
Dry Weight	101 lbs.
Flange Type	Round, Threaded, Nylon



FT-210

10 Nominal Tons based on design of 95/85/75 @ 30 GPM

Fan Motor	1/4 HP, 110/220V, 1PH, 60Hz <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	150,000 BTU/hr
Air Volume	3,500 CFM
Water Inlet	1.5"
Water Outlet	1.5"
Tower Diameter	41.75"
Tower Height	54"
Operating Weight	321 lbs.
Dry Weight	108 lbs.
Nozzle Type	Round, Female (NPT) Threaded, Nylon



FT-215

15 Nominal Tons based on design of 95/85/75 @ 44 GPM

Fan Motor	1/4 HP, 110/220V, 1PH, 60Hz <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	225,000 BTU/hr
Air Volume	4,700 CFM
Water Inlet	2"
Water Outlet	2"
Tower Diameter	46"
Tower Height	59"
Operating Weight	628 lbs.
Dry Weight	154 lbs.
Nozzle Type	Round, Female (NPT) Threaded, Nylon

FT-2 MODELS



FT-220

20 Nominal Tons based on design of 95/85/75 @ 58 GPM

Fan Motor	1/2 HP, 110/220V, 1PH, 60Hz (Also available in 220/440V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	300,000 BTU/hr
Air Volume	6,300 CFM
Water Inlet	2"
Water Outlet	2"
Tower Diameter	54 3/8"
Tower Height	63"
Operating Weight	639 lbs.
Dry Weight	167 lbs.
Nozzle Type	Round, Female (NPT) Threaded, Nylon



FT-225

25 Nominal Tons based on design of 95/85/75 @ 73 GPM

Fan Motor	3/4 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	375,000 BTU/hr
Air Volume	7,000 CFM
Water Inlet	2.5"
Water Outlet	2.5"
Tower Diameter	54 3/8"
Tower Height	70 15/16"
Operating Weight	930 lbs.
Dry Weight	196 lbs.
Nozzle Type	Round, Female (NPT) Threaded, Nylon



FT-230

30 Nominal Tons based on design of 95/85/75 @ 88 GPM

Fan Motor	1 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	450,000 BTU/hr
Air Volume	7,900 CFM
Water Inlet	2.5"
Water Outlet	2.5"
Tower Diameter	62.25"
Tower Height	68 3/8"
Operating Weight	1,205 lbs.
Dry Weight	223 lbs.
Nozzle Type	Round, Female (NPT) Threaded, Nylon



FT-240

40 Nominal Tons based on design of 95/85/75 @ 118 GPM

Fan Motor	1.5 HP, 6P, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	600,000 BTU/hr
Air Volume	9,800 CFM
Water Inlet	2.5"
Water Outlet	2.5"
Tower Diameter	71 5/8"
Tower Height	74.5"
Operating Weight	1,254 lbs.
Dry Weight	308 lbs.
Nozzle Type	Round, Female (NPT) Threaded, Nylon



FT-250

50 Nominal Tons based on design of 95/85/75 @ 148 GPM

Fan Motor	1.5 HP, 6P, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	750,000 BTU/hr
Air Volume	11,500 CFM
Water Inlet	3"
Water Outlet	3"
Tower Diameter	78.75"
Tower Height	74.5"
Operating Weight	1,657 lbs.
Dry Weight	342 lbs.
Nozzle Type	Round, Female NPT Threaded, Cast Iron



FT-260

60 Nominal Tons based on design of 95/85/75 @ 177 GPM

Fan Motor	1.5 HP, 8P, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	900,000 BTU/hr
Air Volume	14,700 CFM
Water Inlet	3"
Water Outlet	3"
Tower Diameter	78.75"
Tower Height	74 11/16"
Operating Weight	1,752 lbs.
Dry Weight	437 lbs.
Nozzle Type	Round, Female NPT Threaded, Cast Iron



FT-270

70 Nominal Tons based on design of 95/85/75 @ 207 GPM

Fan Motor	1.5 HP, 8P, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	1,050,000 BTU/hr
Air Volume	17,500 CFM
Water Inlet	4"
Water Outlet	4"
Tower Diameter	85 5/8"
Tower Height	79 3/8"
Operating Weight	2,268 lbs.
Dry Weight	610 lbs.
Flange Type	Round, 150# Cast Iron



FT-280

80 Nominal Tons based on design of 95/85/75 @ 237 GPM

Fan Motor	2 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	1,200,000 BTU/hr
Air Volume	18,900 CFM
Water Inlet	4"
Water Outlet	4"
Tower Diameter	85 5/8"
Tower Height	79 3/8"
Operating Weight	2,301 lbs.
Dry Weight	645 lbs.
Flange Type	Round, 150# Cast Iron



FT-2100

100 Nominal Tons based on design of 95/85/75 @ 295 GPM

Fan Motor	3 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	1,500,000 BTU/hr
Air Volume	24,500 CFM
Water Inlet	4"
Water Outlet	4"
Tower Diameter	104 3/8"
Tower Height	85 1/16"
Operating Weight	3,952 lbs.
Dry Weight	889 lbs.
Flange Type	Round, 150# Cast Iron



FT-2125

125 Nominal Tons based on design of 95/85/75 @ 369GPM

Fan Motor	3 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	1,875,000 BTU/hr
Air Volume	29,060 CFM
Water Inlet	5"
Water Outlet	5"
Tower Diameter	120 1/8"
Tower Height	87"
Operating Weight	4,850 lbs.
Dry Weight	1,027 lbs.
Flange Type	Round, 150# Cast Iron



FT-2150

150 Nominal Tons based on design of 95/85/75 @ 446 GPM

Fan Motor	5 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	2,250,000 BTU/hr
Air Volume	33,260 CFM
Water Inlet	6"
Water Outlet	6"
Tower Diameter	130"
Tower Height	90"
Operating Weight	6,181 lbs.
Dry Weight	1,377 lbs.
Flange Type	Round, 150# Cast Iron



FT-2175

175 Nominal Tons based on design of 95/85/75 @ 518 GPM

Fan Motor	5 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	2,625,000 BTU/hr
Air Volume	40,250 CFM
Water Inlet	6"
Water Outlet	6"
Tower Diameter	130"
Tower Height	97 7/8"
Operating Weight	6,375 lbs.
Dry Weight	1,571 lbs.
Flange Type	Round, 150# Cast Iron



FT-2200

200 Nominal Tons based on design of 95/85/75 @ 592 GPM

Fan Motor	5 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
Cooling Capacity	2,000,000 BTU/Hr
Air Volume	43,760 CFM
Water Inlet	6"
Water Outlet	6"
Tower Diameter	148 3/8"
Tower Height	117 3/4"
Operating Weight	8,370 lbs.
Dry Weight	1,918 lbs.
Flange Type	Round, 150# Cast Iron



FT-2225

225 Nominal Tons based on design of 95/85/75 @ 656 GPM

Fan Motor	7.5 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-055C
Cooling Capacity	3,375,000 BTU/hr
Air Volume	61,270 CFM
Water Inlet	6"
Water Outlet	6"
Tower Diameter	148 3/8"
Tower Height	125 5/8"
Operating Weight	8,569 lbs.
Dry Weight	2,116 lbs.
Flange Type	Round, 150# Cast Iron



FT-2250

250 Nominal Tons based on design of 95/85/75 @ 737 GPM

Fan Motor	7.5 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-055C
Cooling Capacity	3,750,000 BTU/hr
Air Volume	61,270 CFM
Water Inlet	8"
Water Outlet	8"
Tower Diameter	148 3/8"
Tower Height	125 5/8"
Operating Weight	8,723 lbs.
Dry Weight	2,270 lbs.
Flange Type	Round, 150# Cast Iron



FT-2300

300 Nominal Tons based on design of 95/85/75 @ 883GPM

Fan Motor	10 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-075
Cooling Capacity	4,500,000 BTU/hr
Air Volume	77,020 CFM
Water Inlet	8"
Water Outlet	8"
Tower Diameter	174 3/4"
Tower Height	131 7/8"
Operating Weight	9,213 lbs.
Dry Weight	2,828 lbs.
Flange Type	Round, 150# Cast Iron



FT-2350

350 Nominal Tons based on design of 95/85/75 @ 1,036 GPM

Fan Motor	10 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-075
Cooling Capacity	5,250,000 BTU/hr
Air Volume	77,020 CFM
Water Inlet	8"
Water Outlet	8"
Tower Diameter	188 5/8"
Tower Height	133 1/2"
Operating Weight	9,962 lbs.
Dry Weight	3,002 lbs.
Flange Type	Round, 150# Cast Iron



FT-2400

400 Nominal Tons based on design of 95/85/75 @ 1,190 GPM

Fan Motor	15 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-110
Cooling Capacity	6,000,000 BTU/hr
Air Volume	91,030 CFM
Water Inlet	8"
Water Outlet	8"
Tower Diameter	203 7/8"
Tower Height	153 1/8"
Operating Weight	15,174 lbs.
Dry Weight	4,786 lbs.
Flange Type	Round, 150# Cast Iron



FT-2500

500 Nominal Tons based on design of 95/85/75 @ 1,505 GPM

Fan Motor	15 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-110
Cooling Capacity	7,500,000 BTU/hr
Air Volume	91,030 CFM
Water Inlet	10"
Water Outlet	10"
Tower Diameter	219 5/8"
Tower Height	154 11/16"
Operating Weight	18,027 lbs.
Dry Weight	5,352 lbs.
Flange Type	Round, 150# Cast Iron



FT-2600

600 Nominal Tons based on design of 95/85/75 @ 1,777 GPM

Fan Motor	20 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-150
Cooling Capacity	9,000,000 BTU/hr
Air Volume	125,000 CFM
Water Inlet	10"
Water Outlet	10"
Tower Diameter	259 7/8"
Tower Height	171 5/8"
Operating Weight	27,447 lbs.
Dry Weight	7,416 lbs.



FT-2700

700 Nominal Tons based on design of 95/85/75 @ 2,101 GPM

Fan Motor	20 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-150
Cooling Capacity	10,500,000 BTU/hr
Air Volume	125,000 CFM
Water Inlet	10"
Water Outlet	10"
Tower Diameter	259 7/8"
Tower Height	181 5/16"
Operating Weight	27,895 lbs.
Dry Weight	7,863 lbs.
Flange Type	Round, 150# Cast Iron



FT-2800

800 Nominal Tons based on design of 95/85/75 @ 2,370 GPM

Fan Motor	30 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-220
Cooling Capacity	12,000,000 BTU/hr
Air Volume	175,000 CFM
Water Inlet	12"
Water Outlet	12"
Tower Diameter	299 1/4"
Tower Height	194 11/16"
Operating Weight	41,349 lbs.
Dry Weight	9,656 lbs.
Flange Type	Round, 150# Cast Iron



FT-3000

1,000 Nominal Tons based on design of 95/85/75 @ 3,011 GPM

Fan Motor	30 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-220
Cooling Capacity	15,000,000 BTU/hr
Air Volume	175,000 CFM
Water Inlet	12"
Water Outlet	12"
Tower Diameter	299 1/4"
Tower Height	202 1/2"
Operating Weight	41,914 lbs.
Dry Weight	10,220 lbs.
Flange Type	Round, 150# Cast Iron



FT-3250

1,250 Nominal Tons based on design of 95/85/75 @ 3,761 GPM

Fan Motor	40 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-300
Cooling Capacity	18,750,000 BTU/hr
Flange Type	Round, 150# Cast Iron
Operating Weight	56,806 lbs.
Dry Weight	14,449 lbs.



FT-3500

1,500 Nominal Tons based on design of 95/85/75 @ 4,516 GPM

Fan Motor	50 HP, 220/440V, 3PH, 60Hz (Also available in 208/230/460V, 3PH) <i>*Electrical hookups are inside the junction box located on fan motor</i>
V-Belt Speed Reducer	LBM-300
Cooling Capacity	22,500,000 BTU/hr
Flange Type	Round, 150# Cast Iron
Operating Weight	57,789 lbs.
Dry Weight	15,432 lbs.


FCCT-3TON

3 Nominal Tons based on design of 95/85/75 @ 9 GPM

- Equipped with a dual on/off switch - one for the motor and one for the sump pump
- Wired and tested to low voltage, single phase electricity
- Common uses include small process cooling, machinery cooling, and pond cooling applications.

Fan Motor: 1/6 HP, 110/220V, 1PH, 60Hz

**Electrical hookups are inside the junction box located on fan motor*

CCT-237 Sump Pump: 1/3HP, 115V/230V/1PH/60Hz (17' TDH @ 9 GPM)

Cooling Capacity: 45,000 BTU/hr

Air Volume: 870 CFM

Water Inlet: 1.5"

Water Outlet: 1.5"

Tower Diameter: 27 1/8"

Tower Height: 50"

Operating Weight: 161 lbs.

Dry Weight: 62 lbs


FCCT-5TON

5 Nominal Tons based on design of 95/85/75 @ 15 GPM

- Equipped with a dual on/off switch - one for the motor and one for the sump pump
- Wired and tested to low voltage, single phase electricity
- Common uses include small process cooling, machinery cooling, and pond cooling applications.

Fan Motor: 1/6HP, 110V/220V/1PH/60Hz

**Electrical hookups are inside the junction box located on fan motor*

CCT-237 Sump Pump: 1/3HP, 115V/230V/1PH/60Hz (16' TDH @ 15 GPM)

CCT-457 Sump Pump: 1/2HP, 115V/230V/1PH/60Hz (29' TDH @ 15 GPM)

Cooling Capacity: 75,000 BTU Heat Rejection

Air Volume: 2,100 CFM

Water Inlet: 1 1/2"

Water Outlet: 1 1/2"

Tower Diameter: 33 1/2"

Tower Height: 52"

Dry Weight: 86 lbs.

Operating Weight: 251 lbs.


FCCT-8TON

8 Nominal Tons based on design of 95/85/75 @ 23 GPM

- Equipped with a dual on/off switch - one for the motor and one for the sump pump
- Wired and tested to low voltage, single phase electricity
- Common uses include small process cooling, machinery cooling, and pond cooling applications.

Fan Motor: 1/6HP, 110V/220V/1PH/60Hz

**Electrical hookups are inside the junction box located on fan motor*

CCT-237 Sump Pump: 1/3HP, 115V/230V/1PH/60Hz (14' TDH @ 23 GPM)

CCT-457 Sump Pump: 1/2HP, 115V/230V/1PH/60Hz (25' TDH @ 23 GPM)

Cooling Capacity: 120,000 BTU Heat Rejection

Air Volume: 2,620 CFM

Water Inlet: 1 1/2"

Water Outlet: 1 1/2"

Tower Diameter: 33 1/2"

Tower Height: 56"

Dry Weight: 93 lbs.

Operating Weight: 262 lbs.


FCCT-10TON

10 Nominal Tons based on design of 95/85/75 @ 30 GPM

- Equipped with a dual on/off switch - one for the motor and one for the sump pump
- Wired and tested to low voltage, single phase electricity
- Common uses include small process cooling, machinery cooling, and pond cooling applications.

Fan Motor: 1/4HP, 110V/220V/1PH/60Hz

**Electrical hookups are inside the junction box located on fan motor*

CCT-237 Sump Pump: 1/3HP, 115V/230V/1PH/60Hz (10' TDH @ 30 GPM)

CCT-457 Sump Pump: 1/2HP, 115V/230V/1PH/60Hz (21' TDH @ 30 GPM)

Cooling Capacity: 150,000 BTU Heat Rejection

Air Volume: 3,500 CFM

Water Inlet: 1 1/2"

Water Outlet: 1 1/2"

Tower Diameter: 41 3/4"

Tower Height: 54"

Dry Weight: 123 lbs.

Operating Weight: 443 lbs.

Shipping Weight: 175 lbs.

Shipping Dimensions: 44 x 44 x 66


FCCT-15TON

15 Nominal Tons based on design of 95/85/75 @ 44 GPM

- Equipped with a dual on/off switch - one for the motor and one for the sump pump
- Wired and tested to low voltage, single phase electricity
- Common uses include small process cooling, machinery cooling, and pond cooling applications.

Fan Motor: 1/4HP, 110V/220V/1PH/60Hz

**Electrical hookups are inside the junction box located on fan motor*

CCT-457 Sump Pump: 1/2HP, 115V/230V/1PH/60Hz (10' TDH @ 44 GPM)

Cooling Capacity: 225,000 BTU Heat Rejection

Air Volume: 4,700 CFM

Water Inlet: 2"

Water Outlet: 2"

Tower Diameter: 46"

Tower Height: 59"

Dry Weight: 139 lbs.

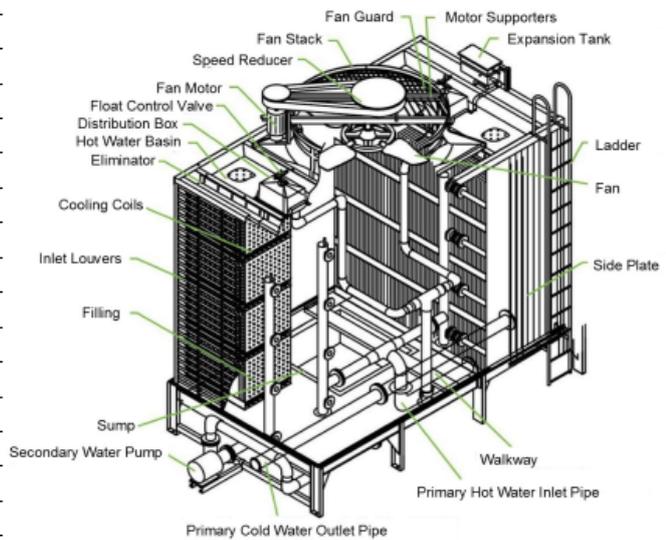
Operating Weight: 536 lbs.



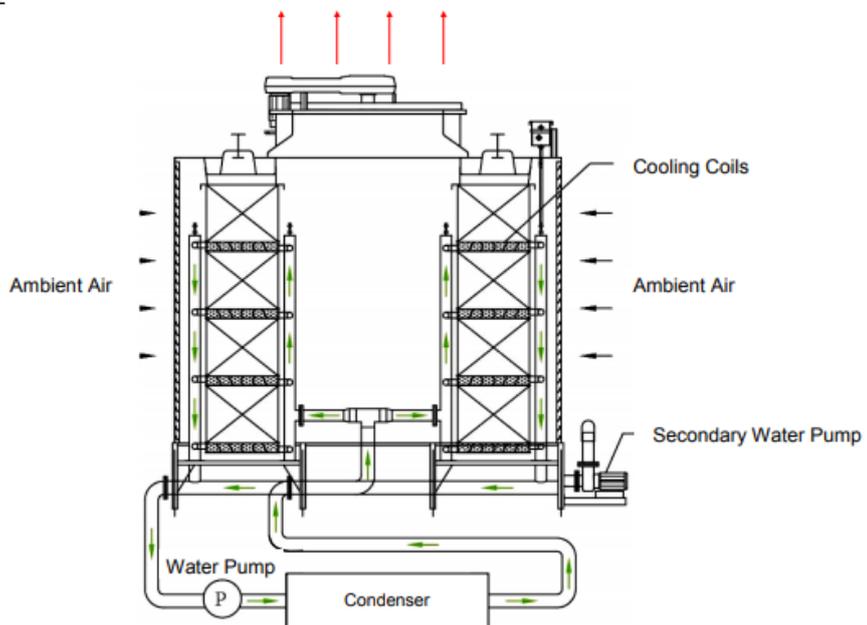
FLCC CLOSED CIRCUIT COOLING TOWER

Cooling Tower Diagram & Materials

Fan Guard	HDGS (SUS-304 Option)
Fan Stack	FRP
Distribution Box	FRP
Hot Water Basin	FRP
Eliminators	HDGS
Cooling Coils	Copper (SUS-304 Option)
Inlet Louvers	PVC
Filling	PVC
Sump	FRP
Primary Cold Water Outlet Pipe	PVC
Primary Hot Water Inlet Pipe	PVC
Walkway	HDGS (SUS-304 Option)
Side Plate	FRP
Fan	Aluminum
Ladder	HDGS (SUS-304 Option)
Expansion Tank	FRP
Motor Supporters	HDGS (SUS-304 Option)



Piping Layout



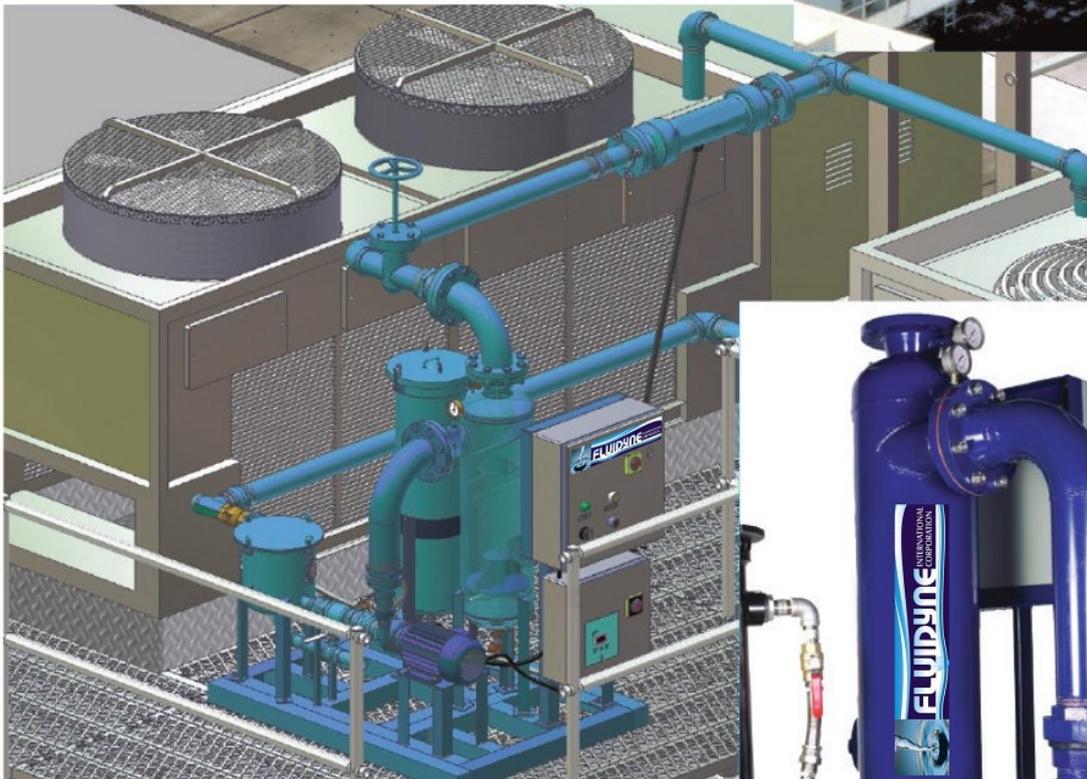
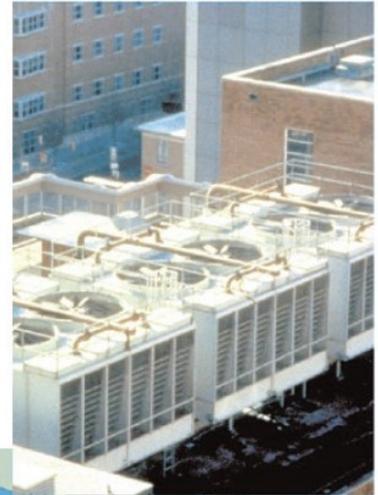
FLCC MODEL

CENTRIFUGAL SEPARATOR SYSTEM

A New Generation of Filtration Systems and Process Water Recovery Technology

Featuring...

- * Non-Chemical High Efficiency Filtration
- * Fully Integrated Turnkey Systems - Single Source Solution
- * Meets/Exceeds Health & Environmental Standards
- * Free Assistance with Cooling Tower/Water Filtration & Treatment Assessment
- * No Up Front Costs (or Relatively Short Payback) - Costs offset by savings



CENTRIFUGAL SEPARATOR & SYSTEM

CENTRIFUGAL SEPARATOR



FLUIDYNE / FLUIDEX RESONATING PRECIPITATORS

A New Generation of Process Water Treatment Precipitators for the Control of Bacteria, Rust, Bio-film and Scale

Featuring...

- Non-Chemical High Efficiency Filtration
- Fully Integrated Turnkey Systems - Single Source Solution
- Meets/Exceeds Health & Environmental Standards
- Free Assistance with Cooling Tower/Water Filtration & Treatment Assessment
- No Up Front Costs (or Relatively Short Payback) - Costs offset by savings



APPLICATION FOR HIGHRISE BUILDINGS



CENTRIFUGAL SEPARATOR & SYSTEM WITH ELECTRONIC PRECIPITATOR



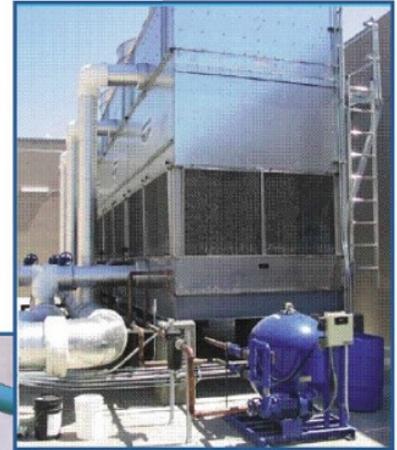
RESONATING PRECIPITATOR IN THE WATER BOTTLING INDUSTRY PRODUCING LOW ALKALINE WATER

VORTICYCLO MULTI-MEDIA FILTER SYSTEM

A New Generation of Filtration Systems and Process Water Recovery Technology

Featuring...

- * Non-Chemical High Efficiency Filtration
- * Fully Integrated Turnkey Systems - Single Source Solution
- * Meets/Exceeds Health & Environmental Standards
- * Free Assistance with Cooling Tower/Water Filtration & Treatment Assessment
- * No Up Front Costs (or Relatively Short Payback) - Costs offset by savings



VORTICYCLO MULTI-MEDIA FILTER SYSTEM



UV PRODUCTS WITH DESCALERS

RESIDENTIAL



FEPUV 0.75



FEPUV 1.0



FEPUV 1.5

INDUSTRIAL



FAUVI 1.0

COMMERCIAL



FEPCUV 0.75



FEPCUV 1.0



FEPCUV 1.5



FAUVI 1.5

INDUSTRIAL



FEPUVI 1.0R



FEPUVI 1.5R



FEPUVI 2R

SOLAR POWER SYSTEMS



1000W SOLAR POWER SYSTEM

- PACKAGE**
 20' container-----60 sets
 40' container-----110sets
- DEVICE LIST**
 1) 4 pcs Solar Modules 125w/pc
 2) 1 set Solar Charger Controller
 3) 1 set Sine Wave Inverter 1000W
 4) 2 pcs Deep Cycle Maintenance-free Battery 24V 100AH (12V/100AH x 2 pcs)
 5) Bracket for the solar panel module
 6) Junction box
 7) Voltage Transfer Module + 2 pcs Super Brightness LED Bulb



2000W SOLAR POWER SYSTEM

- PACKAGE**
 20' container-----50 sets
 40' container-----100sets
- DEVICE LIST**
 1) 4 pcs Solar Modules 150w/pc
 2) 1 set Solar Charger Controller
 3) 1 set Sine Wave Inverter 2000W
 4) 2 pcs Deep Cycle Maintenance-free Battery 24V 200AH (12V/100AH x 4 pcs)
 5) Bracket for the solar panel module
 6) Junction box
 7) Voltage Transfer Module + 2 pcs Super Brightness LED Bulb



3000W SOLAR POWER SYSTEM

- PACKAGE**
 20' container-----40 sets
 40' container-----90sets
- DEVICE LIST**
 1) 4 pcs Solar Modules 200w/pc or 3 pcs 275w Solar Panels
 2) 1 set Solar Charger Controller
 3) 1 set Sine Wave Inverter 3000W or 2 sets Sine Wave Inverter 1500W
 4) 2 pcs Deep Cycle Maintenance-free Battery 24V 200AH (12V/100AH x 4 pcs) Option Lithium-Ion available
 5) Bracket for the solar panel module
 6) Junction box



4000W SOLAR POWER SYSTEM

- PACKAGE**
 20' container-----30 sets
 40' container-----70sets
- DEVICE LIST**
 1) 8 pcs Solar Modules 150w/pc or 5 pcs 250w Solar Panels
 2) 1 set Solar Charger Controller
 3) 1 set Sine Wave Inverter 4000W or 2 sets Sine Wave Inverter 2000W
 4) Deep Cycle Maintenance-free Battery 24V 300AH (12V/100AH x 6 pcs)
 5) Bracket for the solar panel module
 6) Junction box
 7) Voltage Transfer Module + 2 pcs



500W SOLAR POWER SYSTEM

- PACKAGE**
 20' container-----140 sets
 40' container-----200sets
- DEVICE LIST**
 1) 2 pcs Solar Modules 150w/pc
 2) 1 set Solar Charger Controller
 3) 1 set Sine Wave Inverter 500W
 4) 2 pcs Deep Cycle Maintenance-free Battery 12V 100AH
 5) Bracket for the solar panel module
 6) Junction box
 7) One year free technical support



5000W SOLAR POWER SYSTEM

- PACKAGE**
 20' container-----25 sets
 40' container-----50sets
- DEVICE LIST**
 1) 10 pcs Solar Modules 200w/pc or 8 pcs 250w Solar Panels
 2) 1 set Solar Charger Controller
 3) 1 set Sine Wave Inverter 5000W or 2 sets Sine Wave Inverter 2500W
 4) Deep Cycle Maintenance-free Battery 24V 400AH (12V/100AH x 8 pcs)
 5) Bracket for the solar panel module
 6) Junction box
 7) Voltage Transfer Module + 2 pcs

WIND TURBINES



ENERGY BALL V100



5KW/240V
 Wind Speed 3-60 m/s

3-BLADE TURBINE

HYBRID SOLAR +



PORTABLE SOLAR-POWERED WATER TREATMENT




ENERGY BALL V200



10KW/240V
 Wind Speed 3-60 m/s

5-BLADE TURBINE

PORTABLE SOLAR/WIND TURBINE GENERATOR



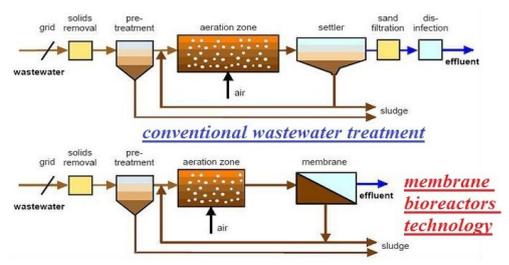
CONTAINERIZED MBBR/MBR MUNICIPAL/INDUSTRIAL SEWAGE TREATMENT PLANT



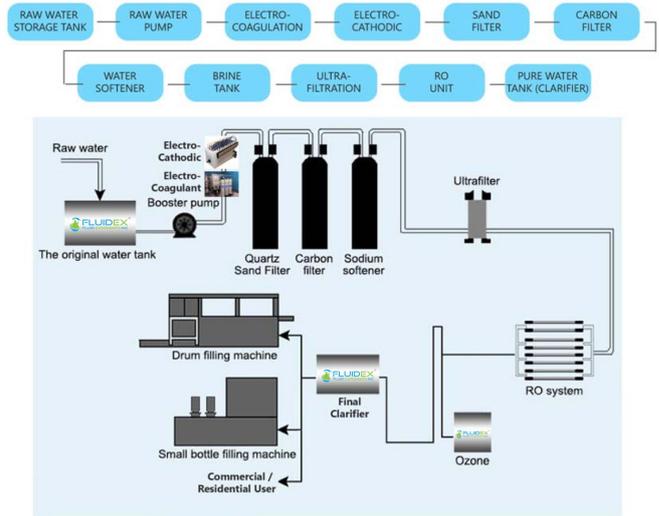
3 x 40' Container MBBR Type



Rounded Horizontal Vessel MBR Type



DESALINATION / REVERSE OSMOSIS



DIFFUSED / DISSOLVED AIR FLOTATION (DDAF) FOR SEPARATION OF LIGHT DISSOLVED MATERIALS, OIL & GREASE



MD SERIES
10-80 GPM



HS SERIES
90-1200 GPM



HR SERIES
100-3000 GPM

FLUIDYNE SWEETHANOL FUELS

ETHANOL BIOFUEL FROM SWEET POTATO



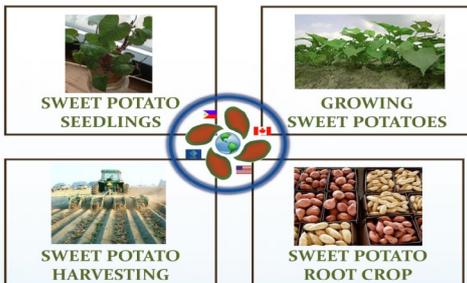
FLUIDYNE SWEETHANOL FUELS

507 81st Street
Noth Bergen
NJ USA 07047

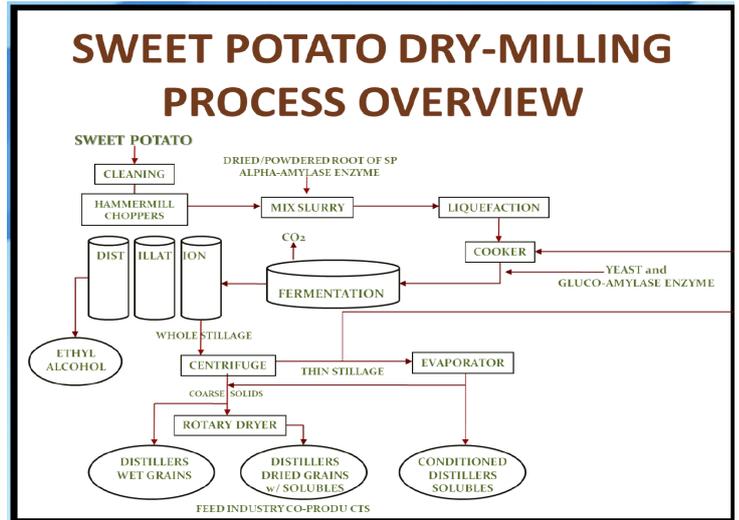
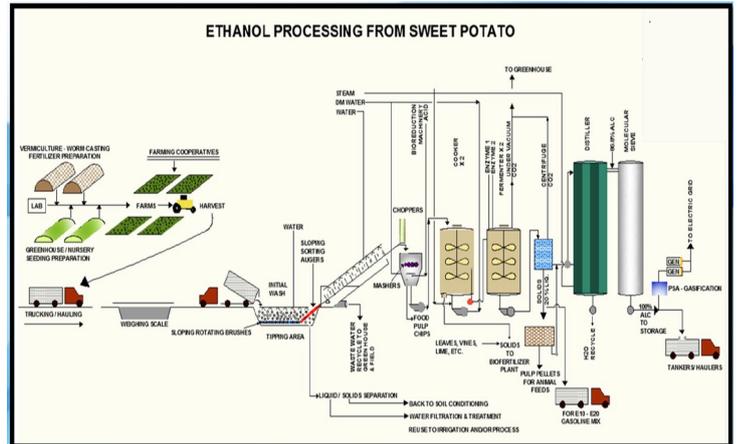
201 574 6504
inquiry@fluidynter.com

190 West Street, Unit 1
Brantford, Ontario
Canada N3R 3T9

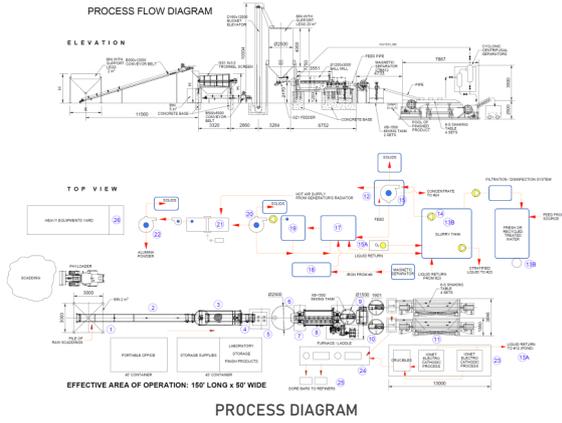
647 786 4077
inquiry@fluidexponents.com



- To produce fuel-grade ethanol from hybrid sweet potato
- To provide massive and meaningful employment in the rural areas, uplifting living conditions;
- To decongest urban communities by encouraging resettlement in rural areas;
- To use talent & experience of returning migrant workers;
- To provide agri-farming technology and ethanol-to-fuels/power technology to younger generations in rural communities;
- To provide sustainability in farming communities; and
- To be a model to the third world developing countries in promoting non-edible sweet potato for ethanol conversion, not competing with food crops.



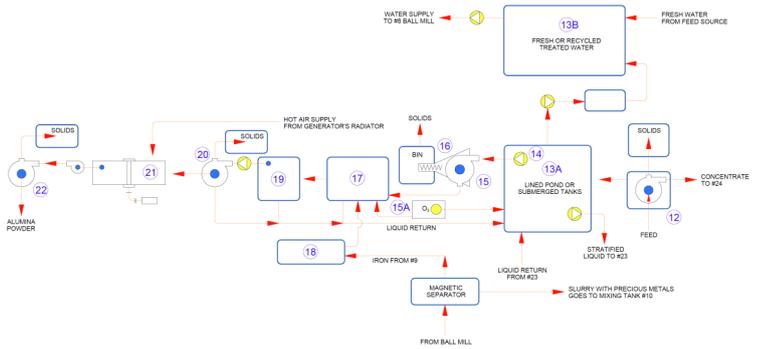
MINE TAILINGS WATER TREATMENT AND PRECIOUS METALS RECOVERY



BALL MILL AND MAGNETIC SEPARATOR



ALUMINA FLOATATION EQUIPMENT



MATERIALS RECOVERY AND RECYCLING FACILITY



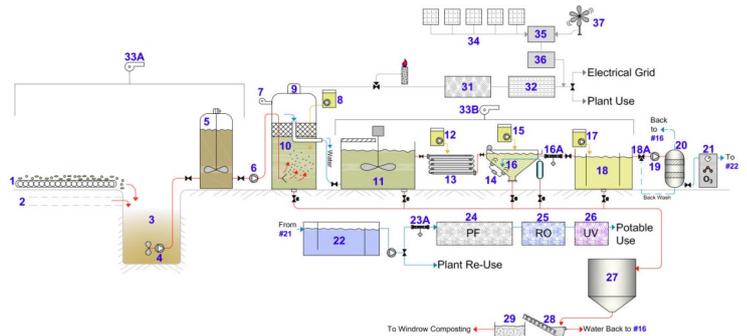
MRF FACILITY



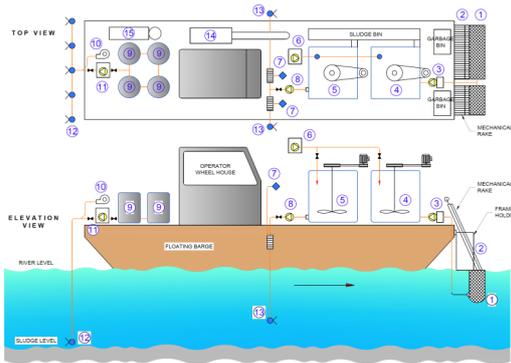
EMTERRA RECYCLING FACILITY ORGANIC WASTE TO POWER



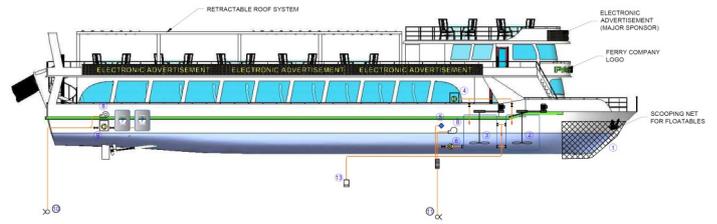
EMTERRA RECYCLING FACILITY ORGANIC WASTE TO POWER



RIVER/LAKE WATER REHABILITATION AND CLEAN-UP

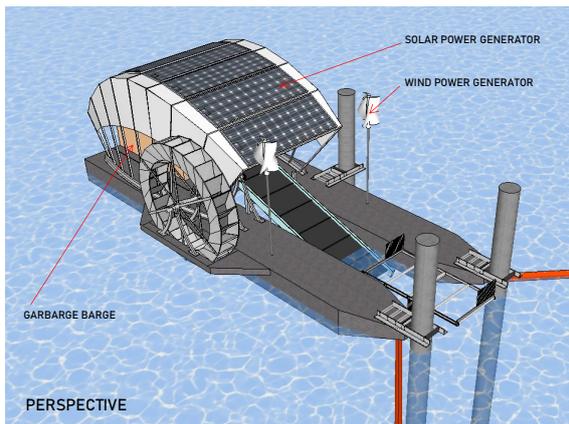


CARGO BARGE WITH AERATED/OZONATED CATALYST DISPERSION

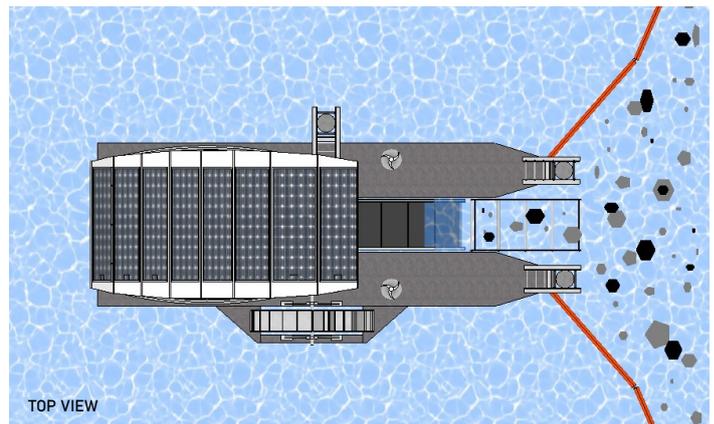


PASSENGER FERRY BOAT WITH AERATED/OZONATED CATALYST DISPERSION

SOLAR/WIND POWER FLOATING PONTOON GARBAGE COLLECTION

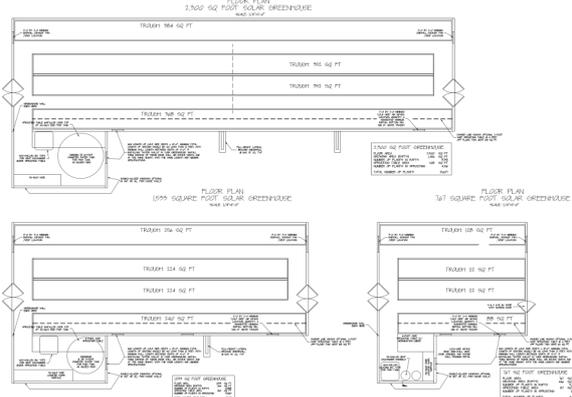


PERSPECTIVE



TOP VIEW

ADVANCED GREENHOUSE TECHNOLOGY FOR SPECIALTY HERBS USING FERHUMILIGATION TECHNOLOGY



EXTERIOR FEATURES & BENEFITS

- 1 Door** A pre-hung, heavy-duty storm door complete with locking latch, and adjustable tempered glass window and screen for extra ventilation. Free door drop offered too! Can upgrade to commercial storefront door if required.
- 2 Vents** All greenhouses have free extra wide roof vents and automatic openers for worry free gardening. We are the only manufacturer that incorporates weather stripping into our designs too!
- 3 Walls** Option of removing one gable wall to attach to an existing house which provides easy access to water/electricity and improved energy efficiency.
- 4 Design** High quality structural design that can be customized for any project, size or slope. We're modular, built in strong 2ft sections and extension kits are available if needed.
- 5 Extra high 5' 6"** sidewalls perfect for tall plants and shelving

INTERIOR FEATURES & BENEFITS

- 6 Aluminum** Heavy duty aluminum frames masterfully engineered to withstand high winds and heavy snowfall. Rated the strongest greenhouse on the market today and are rust and maintenance free!
- 7 Glazing** Our glazing options can be intermixed in the same greenhouse to add extra insulation and light diffusion where it is needed while maintaining aesthetic appeal and optimal visual effect where desired.
- 8 All structures built with tempered safety glass** for your peace of mind
- 9 Continuous bolt track system** allows for endless staging and accessories inside greenhouse
- 10 You can place a 50 pound hanging basket** spaced out on every glazing bar

TIRE / PLASTIC CONVERSION TO FUEL / POWER

EQUIPMENT LAY-OUT IN 3D

1	Shredding System with Auger Feeder	5	Screw Conveyor	11	Flue Tube Condenser	17	Extra Gas Burning Room
2	Control Cabinet	6	Gas Separator	12	Draft Fan	18	Diesel Power Generator
3	Reactor	7	Heavy Oil Tank	13	Atomized Water Tank	18A*	Steam Power Generator
3A*	Steam Condensers	8	Vertical Condenser	14	Spray Tower	19	Switch Gear / Substation
3B*	Heating Condensing Tubes for Desalination	9	Oil Tank	15	Water-Cooled Conveyor	20	Power Generating Controller
4	Reactor Base	10	Hydro-Seal	16	Cooling Tower		

*OPTIONAL SYSTEMS

