

# Design Specification Table



| Design Specifications         | CE Series<br>BOD, TSS, TN*                                |                     |                      |                      |                      |                       |                            | CEN Series<br>BOD, TSS, Enhanced TN                                    |                      |                      |                      |                       |                        |
|-------------------------------|---|---------------------|----------------------|----------------------|----------------------|-----------------------|----------------------------|--|----------------------|----------------------|----------------------|-----------------------|------------------------|
|                               | CE5   | CE7                 | CE10                 | CE14                 | CE21                 | CE30                  | CE6KG                      | CEN5   | CEN7                 | CEN10                | CEN14                | CEN21                 | CEN50                  |
| Hydraulic Load (GPD)          | 500   | 700                 | 1,000                | 1,350                | 1,900                | 2,700                 | 6,000                      | 500  | 700                  | 1,000                | 1,350                | 1,900                 | 4,500                  |
| Effluent:                     | NSF40<br>NSF Test Effluent (Avg.) CBOD:11mg/L, TSS:12mg/L |                     |                      |                      |                      |                       |                            | NSF40/245<br>NSF Test Effluent (Avg.) CBOD:5mg/L, TSS:6mg/L, TN:10mg/L |                      |                      |                      |                       |                        |
| <b>Blower Detail:</b>         |   |                     |                      |                      |                      |                       |                            |  |                      |                      |                      |                       |                        |
| Blower Model                  | 80RII   | 80RII               | 100RII               | 150RII               | 200RII               | 150RII (x2)           | 200RII (x4)                | 80RII  | 100RII               | 150RII               | 200RII               | 150RII (x2)           |                        |
| Normal Pressure (kPa)         | 15  | 15                  | 18                   | 20                   | 20                   | 20                    | 20                         | 15   | 18                   | 20                   | 20                   | 20                    |                        |
| CFM; L/Min                    | 2.8 CFM<br>80 L/MIN                                       | 2.8 CFM<br>80 L/MIN | 3.5 CFM<br>100 L/MIN | 5.3 CFM<br>150 L/MIN | 7.0 CFM<br>200 L/MIN | 10.6 CFM<br>300 L/MIN | 28.0 CFM<br>800 L/MIN      | 2.8 CFM<br>80 L/MIN  | 3.5 CFM<br>100 L/MIN | 5.3 CFM<br>150 L/MIN | 7.0 CFM<br>200 L/MIN | 10.6 CFM<br>300 L/MIN |                        |
| Power Use (kWh/day)           | 1.2   | 1.2                 | 1.7                  | 2.7                  | 3.7                  | 5.4                   | 14.8                       | 1.2  | 1.7                  | 2.7                  | 3.7                  | 5.4                   |                        |
| Weight: (lbs.)                | 11  | 11                  | 11                   | 20                   | 20                   | 20x2                  | 20 x 4                     | 11   | 11                   | 20                   | 20                   | 20x2                  |                        |
| <b>Tank Detail:</b>           |   |                     |                      |                      |                      |                       |                            |  |                      |                      |                      |                       |                        |
| Material                      | Fiber-Reinforced Plastic                                  |                     |                      |                      |                      |                       |                            | Fiber-Reinforced Plastic   |                      |                      |                      |                       |                        |
| Height (inches)               | 62  | 66                  | 74                   | 78                   | 82                   | 88                    | 88                         | 66   | 74                   | 78                   | 82                   | 88                    | 110                    |
| Length (inches)               | 85  | 96                  | 99                   | 119                  | 153                  | 184                   | 435                        | 96   | 99                   | 119                  | 153                  | 184                   | 304                    |
| Width (inches)                | 44  | 50                  | 57                   | 69                   | 73                   | 79                    | 116                        | 49   | 57                   | 69                   | 73                   | 79                    | 99                     |
| Weight (lbs.)                 | 397   | 463                 | 705                  | 926                  | 1,168                | 1,543                 | 2,900                      | 463  | 705                  | 926                  | 1,168                | 1,543                 | 2,400                  |
| Inlet Invert(inches)          | 49  | 53                  | 61                   | 62                   | 65                   | 71                    | 67                         | 53   | 61                   | 62                   | 65                   | 71                    | 86                     |
| Outlet Invert (inches)        | 47  | 51                  | 59                   | 59.5                 | 63                   | 69                    | 64                         | 51   | 59                   | 59.5                 | 63                   | 69                    | 84                     |
| Access Ports (number)         | 3   | 3                   | 3                    | 3                    | 3                    | 3                     | 7                          | 3  | 3                    | 3                    | 3                    | 3                     | 5                      |
| Access Port Diameter (inches) | 3 @ 20"   | 2 @ 20"<br>1 @ 24"  | 2 @ 20"<br>1 @ 24"   | 2 @ 20"<br>1 @ 24"   | 2 @ 20"<br>1 @ 24"   | 2 @ 20"<br>1 @ 24"    | 4 @ 24"x24"<br>3 @ 24"x48" | 2 @ 20"<br>1 @ 24"   | 2 @ 20"<br>1 @ 24"   | 2 @ 20"<br>1 @ 24"   | 2 @ 20"<br>1 @ 24"   | 2 @ 20"<br>1 @ 24"    | 2 @ 24"<br>3 @ 24"x48" |
| Volume Total (gal.)           | 545   | 749                 | 1,069                | 1,498                | 2,252                | 3,199                 | 7,267                      | 749  | 1,069                | 1,498                | 2,252                | 3,199                 | 7,020                  |

\*TN removal for CE systems from field testing is available. Contact FujiClean USA for details.