

# Model CEN50

## Effective Nitrogen Removal for Larger Flows

FujiClean is the world leader manufacturer for onsite advanced wastewater treatment treating billions of gallons of wastewater on a daily basis. The CEN50 model is the latest addition to the FujiClean product line and designed to treat to the same high standards of smaller FujiClean nitrogen reduction CEN systems. Offered in two models, one designed for traffic rated sites with column shafts for concrete and the other for non-traffic bearing sites, the CEN50 has a hydraulic design capacity of 4,500 gpd for domestic-strength influent flow. An exceptionally cost-effective and efficient option for larger flow sites.

### FUJICLEAN LARGE SYSTEM ADVANTAGES

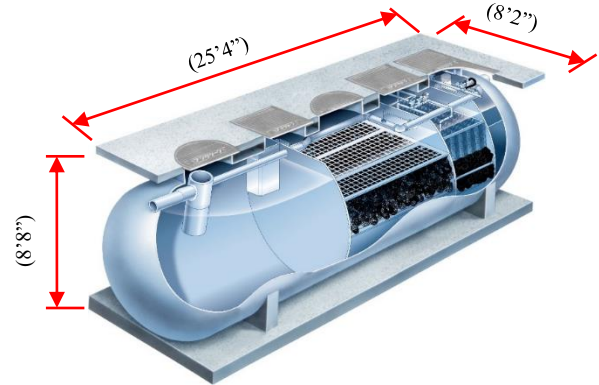
- **70%+ NITROGEN REMOVAL**
- **SCALABLE TO OVER 100,000 GPD**
- **PHASED INSTALLATION TO MATCH PROJECT BUILDOUT AND CURRENT FLOW**
- **SMALLEST FOOTPRINT IN INDUSTRY**
- **LOW POWER CONSUMPTION USING BEST-IN-CLASS FUJIMAC RII SERIES BLOWERS**
- **POWERED BY AIR – NO MOVING PARTS INSIDE TREATMENT SYSTEM**
- **CONSISTENT PERFORMANCE**
- **TYPICAL BOD AND TSS REMOVAL PERFORMANCE <10 mg/L**
- **LIGHT, STRONG FIBERGLASS TANKS**
- **EASY INSTALLATION & SERVICE**
- **COMMITTED ENGINEERING AND TECHNICAL SUPPORT**
- **H-20 CAPABLE**



42-1 Greenwood Rd.  
Brunswick, ME 04011  
207-406-2927  
[FujiCleanUSA.com](http://FujiCleanUSA.com)

## CEN50 TECHNICAL SPECIFICATIONS

Design Specification Table	
<b>Model</b>	<b>CEN50</b>
Load Hydraulic (GPD)	4,500
Effluent (mg/L, domestic strength influent)	CBOD: ≤10 TSS: ≤10 TN: ≤10
BOD (Removal Lbs/Day)	7.13
<b>Blower Detail:</b>	
Blower Model	200RII (x4)
Normal Pressure (kPa)	20
CFM; L/Min	28.0 CFM 800 L/MIN
Power Use (kWh/day)	14.8
Weight (lbs.)	20 x 4
<b>Tank Detail:</b>	
Material	Fiber Reinforced Plastic
Height (feet/inches)	8 ft. 11 in.
Length (feet/inches)	25 ft. 4 in.
Width (feet/inches)	8 ft. 2 in.
Weight (lbs.)	2,400
Inlet Invert (inches)	86
Outlet Invert (inches)	84
Access Ports (number)	5
Access Port Diameter (inches)	2 @ 24" 3 @ 24"x48"
Volume Total (gallons)	7,020



*Type I - Traffic Bearing Sites (with concrete slab)*



*Type II - Non-traffic Bearing Sites*

Contact your local FujiClean distributor for more information:

### Treatment Process

