

BGP Environmental Group

138 Swan Lake Bay, Wpg
Manitoba, Canada

® R3T 4T8

800-265-0027

@: www.biocleaner.com

@: ian@bgpgroup.ca

® US Green Patent A Technology
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A photograph of a wastewater treatment system, specifically a BioCleaner system, installed in a rural landscape. The system consists of several concrete basins and channels filled with water. In the background, there are houses and hills under a clear sky. The image is framed by a white border with a blue and grey geometric shape on the right side.

BioCleaner
The most convenient wastewater
treatment system in the world

SEWER JOCKEY

Modular All-In-One Seeder Tube

ABOUT OUR COMPANY

The BioCleaner system is a revolutionary, patented US technology that harnesses the power of nature to treat all types of wastewaters in sewage treatment plants (STP) or wastewater treatment plants (WWTP), such as in residential, commercial, industrial, municipal sectors.

TREATING WASTEWATER IN ACCORDANCE WITH COP-26 AND SDG-6

BioCleaner technology will facilitate the wastewater treatment fit for purpose of lowering Mill Net Cost and meet the goals for COP-26 and SDG-6.

- Good Ambient Quality
- No use of chemicals in treating wastewater
- Breaks down toxic and harmful chemicals.
- Treated water is clear and it can be reused and recycled.

MODULAR, CONVENIENT AND EFFICIENT

Aging infrastructure and increasing demand for high-capacity biological water treatment have created a need for more efficient, compact, and affordable solutions. Integrated treatment systems must be easy to operate and install while minimizing capital expenditure. These new systems must also be capable of addressing frequent changes in feed water. A Seeder Tube packaged solution is thus key to enabling companies to manage their wastewater with the most efficient technology at the lowest cost. BioCleaner provides all of these benefits for septic tank and package plant upgrades. BioCleaner added value to the customer through flexible design, rapid implementation and automation built to minimize manual intervention. Seeder Tube contains a consortium of immobilized microbes that can liquify sludge and eliminate odor.

PRODUCT FEATURES

- Product includes all media and 30Watt linear blower.
- Product includes Plastic Hose.
- Sewer Jockey Seeder Tube is lowered in a septic tank or small sewage treatment facilities.
- Sewer Jockey is designed to be configured into all aeration zones.
- Sewer Jockey can be integrated into an existing treatment for higher quality effluent.

Modular All-In-One Seeder Tube

BioCleaner provides proven Sewage treatment from Septic Tank Retrofits to Small Package Plants by implementation of a Seeder Tube that eliminates sludge and odor making it the most convenient system on the market.

OPERATIONAL BENEFITS

- Modularity for improvement in water quality
- Continuous accelerating microbial loading
- Capacity range of 500 gal/day up to 40,000 gal/day
- Simplified installation, and commissioning
- Superior effluent quality suitable for further recycle options, irrigation or discharge.

SEWER JOCKEY CONFIGURATIONS

unit	unit	unit
FlowRate	Gal/Day	30,000
3Tank system	Length	13ft (4m)
	Width	9ft (3m)
	Maximum Height	10ft(3m)
BODLevel Treatable	mg/L	< 10

INLET/OUTLET WATER QUALITY

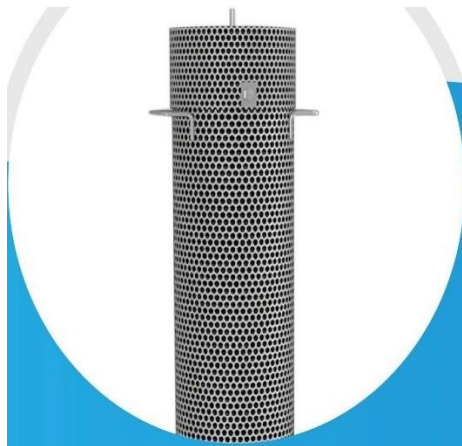
	111111		Gullet
COD	mg/L	400-500	< 50
	mg/L		
Temperature	°C	50 -104 (10 - 40°C)	50 -104 (10 - 40°C)

COMMISSIONING PROCEDURES FOR CONTINUOUS SEWAGE TREATMENT

- Fill Tank with water with approx. 500 mg/l COD
- Lower Sewer Jockey inside each Aeration Tank
- Wait 2-3 days until water becomes clearer.
- Begin with 10% of Design Flow
- Every 1 hour increases the Flowrate by 5% until you reach 100% Design Flow
- Shutoff sludge pumps after 3-4 days if using an existing treatment system

PRODUCT ADVANTAGES

- No Sludge Generation
- No Odor
- No Importation of Sludge
- Can use fishponds as option for disinfection.
- Easy to commission
- User-friendly operation and support
- Fast delivery and installation
- 90% Nitrogen Removal in Septic Tanks
- Limited infrastructure construction or modification required.



Use 3 Aeration Zones With Upflow Sand Filter
1 Sewer Jockey per zone

