

... .. we need (hydronometer & VFD based)

3) Centrifuge or Filter press [Prefered Centrifuge]

(For sludge)

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(Urapna Appa Rednamti Solvent Pvt Ltd)



You

comparison between MBBR and BioCask



Copilot

Certainly! Let's compare the Moving Bed Biofilm Reactor (MBBR) and the BioCask:

1. MBBR (Moving Bed Biofilm Reactor):

- **Process:** MBBR utilizes a combination of biofilm media and conventional activated sludge processes. It allows treatment in both anaerobic and aerobic environments.
- **Biofilm Growth:** MBBR uses plastic carriers where a biofilm can grow. Bacteria attach to these carriers, reducing impurities.
- **Sludge Handling:** After the bio-reactor, MBBR requires sludge settlement using lamella technology.
- **Maintenance:** Spare parts are cheaper and long-lasting, resulting in lower operational expenses compared to other systems like the MBR.

2. BioCask:

- **Developed by:** BioCask is developed by **Thermax**.
- **Advantages:**
 - Suitable for basement installation (requires less than 3.0 meters height).
 - Reduced operating costs due to higher oxygen transfer efficiency.
 - Minimal civil work during installation.
 - Achieves low biochemical oxygen demand (BOD) levels without ultrafiltration.

In summary, MBBR relies on biofilm growth, while BioCask offers efficient BOD removal and ease of installation. Organizations choose based on specific requirements and cost considerations.

Learn more: 1 [gustawater.com](#) 2 [clearfox.com](#) 3 [ssiaeration.com](#) 4 [wwtp.in](#)

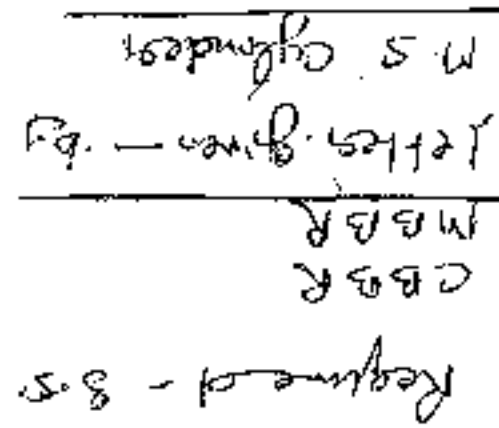


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What are the limitations of MBBR?

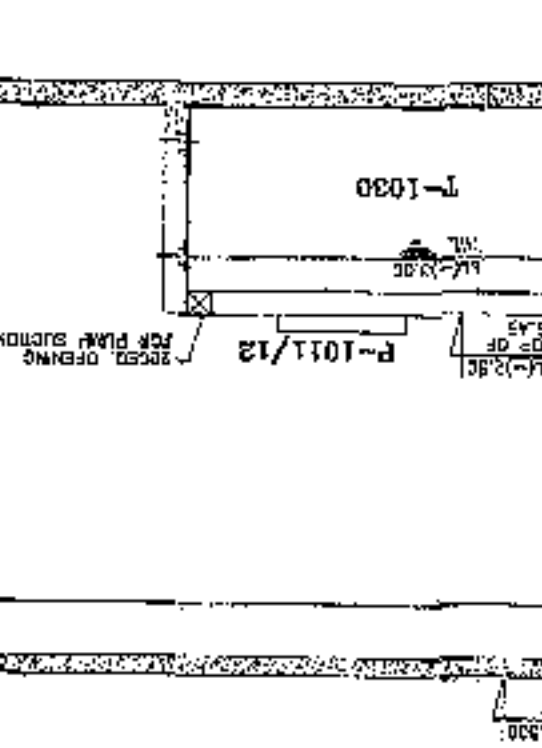
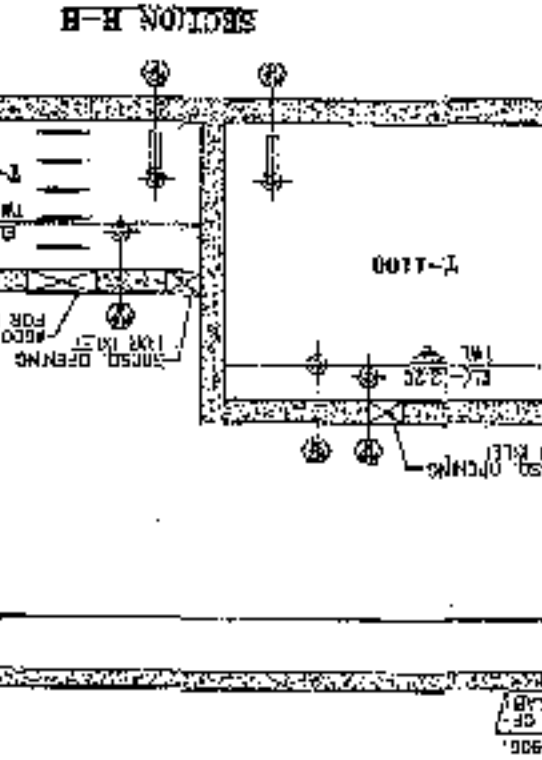
How does BioCask handle sludge management?

Are there any case studies comparing MBBR and BioCask?

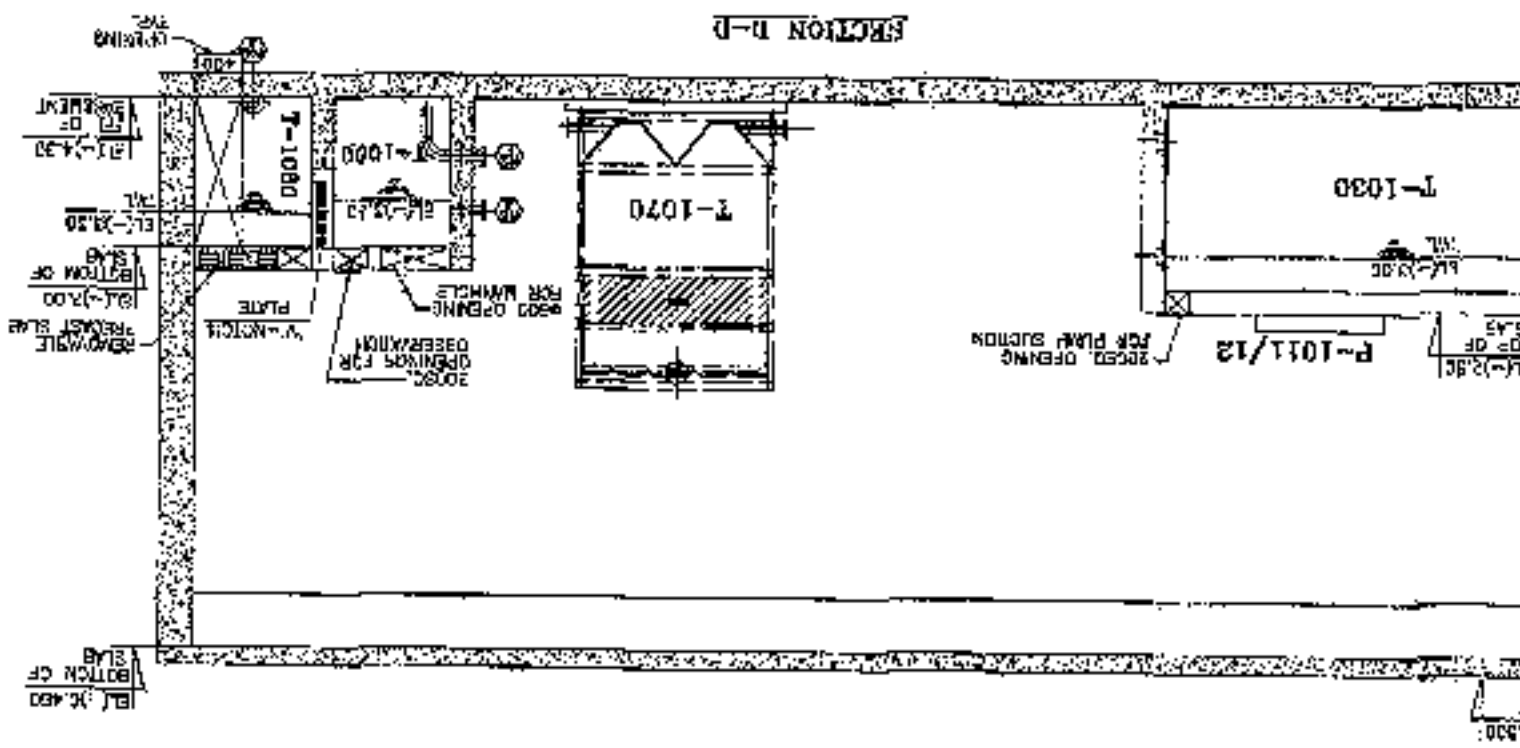
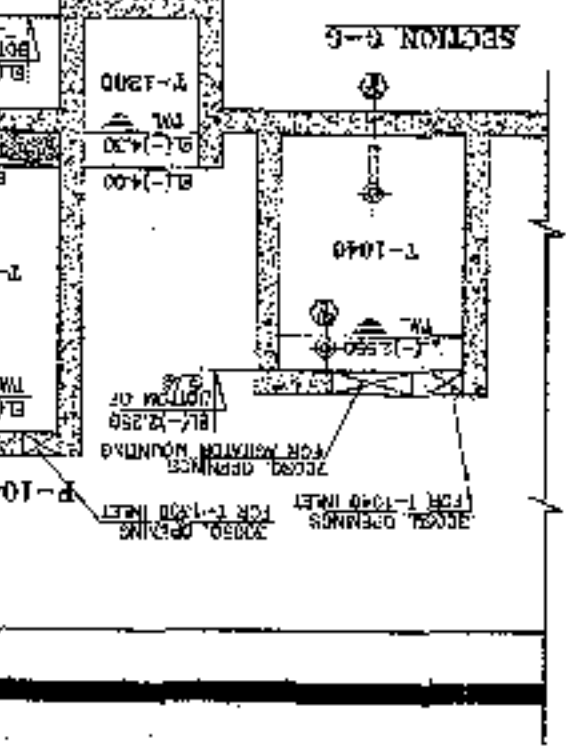
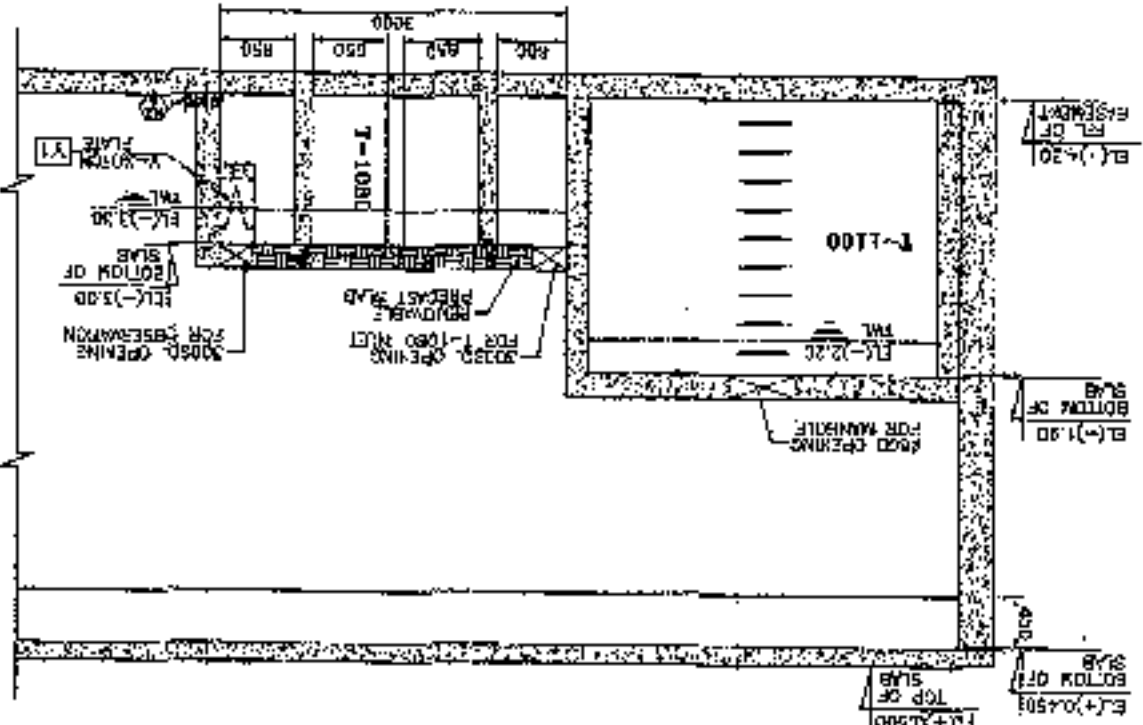


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DRAWING 321117/11/11 TO 321117/11/11.
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SECTION I-I



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SECTIONAL DETAILS
THERMAX LIMITED
WATER & WASTE SOLUTIONS
ENVIRONMENT HOUSE, 30-31/36 BLOCK
MID BISHOP SQUARE, L1100C 01000

SEWER INLET POSITION

