

CIN: U41000KA2021PTC153950

Corporate Office:

CTS No.6, Plot No.885, Flat No.5, 2nd Floor, Above Hotel Sweekar, Chinali Apartments, Off. Karve Road, Erandwane, Pune – 411 004, Maharashtra, India.

Contact: 91-020-25435800

Factory:

R.S.No.680/1B, Plot No.36, Shed No. B-117/A, Angol Industrial Estate, Udyambag, Belagavi – 590 008, Karnataka, India.

Contact: 91-0831-2002162

Email: info@iwtech.in



FACT SHEET

FBTec® STP UNITS (5-40 KLD)



FBTec® ...Making Every Drop Count!

FBTec® Technology Features:

- It uses a fixed media which doesn't need any replacement.
- The different zones are designed in such a way that the media doesn't move an inch even when the entire plant is moved to another place.
- The design the modular where-in capacity can be enhanced or reduced with ease.
- The units are movable and can be shifted from one place to another with ease.
- Most significantly, it caters to the range of capacities 1 KLD (1000 lit/day) to 2 MLD (20,00,000 Lit/day) of sewage treatment where very few options are available and especially, in government listed rates, this range is not covered at all.
- Units with capacities less than 40 m³/day (40,000 lit/day); use single phase power supply making it suitable to be used in rural areas where-in getting three phase power may be a challenge.
- Least footprint, Minimum site work, least maintenance needs, low power consumption are the other features.
- Low investment needs.

Instrumentation

- Flow indicator
- Pressure Indicator
- Level Switches

Material of Construction

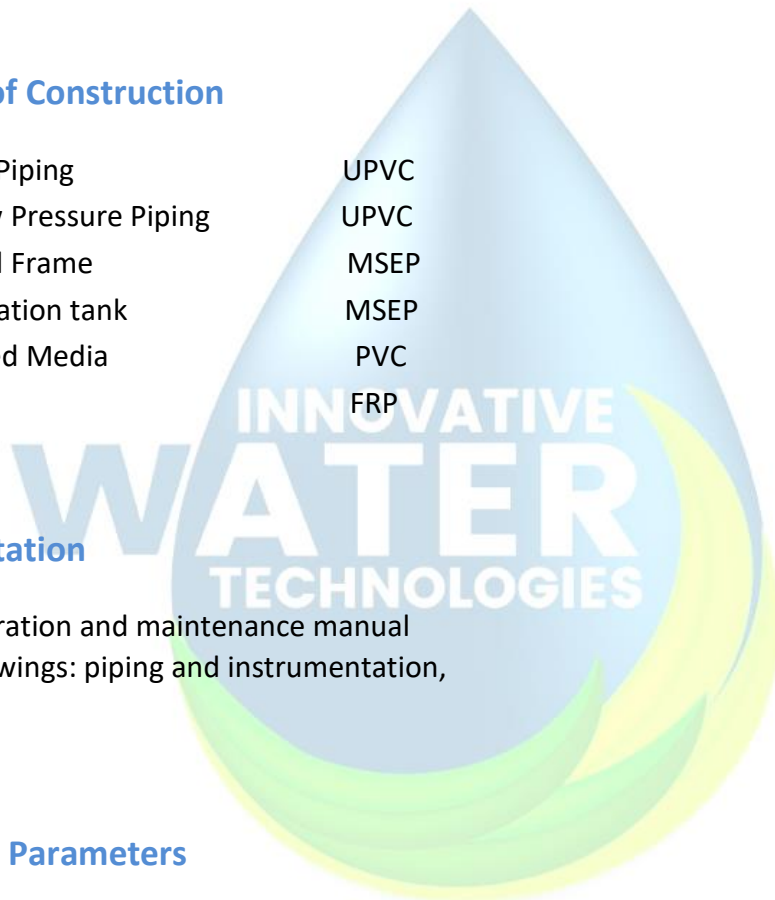
- | | |
|-----------------------|------|
| • Air Piping | UPVC |
| • Low Pressure Piping | UPVC |
| • Skid Frame | MSEP |
| • Aeration tank | MSEP |
| • Fixed Media | PVC |
| • PSF | FRP |

Documentation

- Operation and maintenance manual
- Drawings: piping and instrumentation,

Operating Parameters

- Operating temperature 20 to 35 °C



Dimensions:

Model	FBTec-5	FBTec-10	FBTec-15	FBTec-20	FBTec-25	FBTec-30	FBTec-40
Average Daily Flow(m ³ /day)	5	10	15	20	25	30	40
FBTec® Space Requirements							
Length (in mtr)	2.2	2.9	3.1	3.7	3.7	4.2	5.0
Width (in mtr)	1.2	1.2	1.2	1.2	1.8	1.8	1.8
Height (in mtr)	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Power consumption							
KW.Hr/day	40	48	55	55	60	65	70
Sludge Generation							
Kg of Dry solids Per day	0.17	0.34	0.51	0.68	0.85	1.02	1.2

Notes:

- Area is given considering all the tanks, blowers, panel. Etc. and some operating space.
- Product water capacity to be decided by the end user.

Flow shall be equalized in equalization tank (By customer) to handle the peak flow.

	SCOPE OF SUPPLY	IWTPL SCOPE	CUSTOMER SCOPE	VENDOR
•	<u>Equalization Tank</u>		✓	-
•	<u>Manual Bar Screen</u>	✓		IWTPL
•	Sewage Transfer Pump	✓		IWTPL
•	Bio-zone Tank	✓		IWTPL
•	Settling Tank	✓		IWTPL
•	Chlorine Contact Tank	✓		IWTPL
•	Sludge Holding Tank	✓		IWTPL
•	Chlorine Dosing System	✓		IWTPL
•	Air Blower	✓		IWTPL
•	Filter Feed Pump	✓		IWTPL
•	Pressure Sand Filter	✓		IWTPL
•	Interconnecting piping	✓		IWTPL
•	Control Panel	✓		IWTPL
•	<u>Product Water Tank</u>		✓	-

Note:

1. Technical advisory services shall be charged extra as per IWTPL standard daily rates along with T&L.