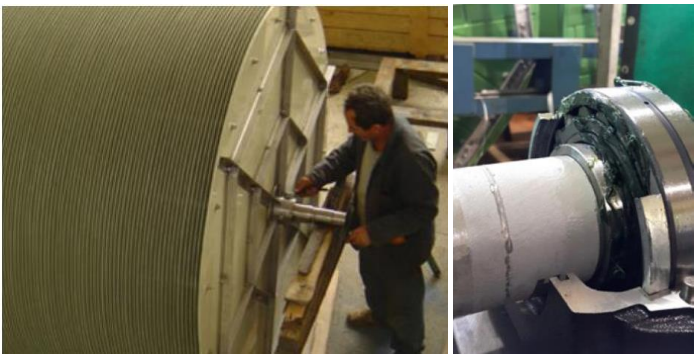


# PlanetDISK®



Compact Biological Wastewater Treatment Systems Rotating Biological Contactor (RBC) Technology

## Product Information MINI Model



- Domestic Sewage Treatment of Houses, Hotels, Villages
- Each unit capacity = 10-30 m<sup>3</sup>/day depending on effluent and influent characteristics and wastewater temperature



### TECHNOLOGY of PlanetDISK®

- Rotating Biological Contactor (RBC) Technology
- Attach growth biofilm technology
- Features protected by Utility Model Certificate, Design Certificate, Registered Trade Mark, CE certificate

### ADVANTAGES of RBC TECHNOLOGY

- Economical – Low Energy Demand, up to 90 % energy saving compared to activated sludge, SBR system.
- Due to system's low energy demand, it is easily operable with renewable energy
- Consistent Process Results even against shock biological loads up to 250% changes.
- Easy Operation and Maintenance
- No annoying smell or noise problems



### PROPERTIES

Disk Diameter, thickness	1,35 m, 1,7 mm
Area of each Disk	2,86 m <sup>2</sup> / disk
Number of Disks in each RBC Units	100 – 160 disk / unit, Plastic spacers between discs.
Min. Total Disk Surface Area	286 m <sup>2</sup> (100 disk)
Power	0,18 kW
Rotation speed of the rotor	3 – 4 rpm
Dimensions [L x W x H mm]	2.600-3.000 x 1.500 x 2.000 mm
Rotor Housing	Fiberglass (GRP)
Disks	Single piece PP (Polypropylene) virgin material Disk
Central Shaft	Ø 85 mm, Epoxy painted AISI 1050 Carbon Steel solid shaft or AISI 304 Stainless Steel Solid Shaft
Chassis	Epoxy painted ST37 Carbon Steel
All parts contact in water	Galvanized ST37 Carbon Steel or AISI 304 Stainless Steel (Central shaft is as specified above)
RBC Unit Manufacturer	PlanetTEK Environment and Treatment Tech. Inc
Motor Manufacturer	GAMAK, VOLT, WAT, AEMOT, PGR
Reducing Gear Manufacturer	IMAK, PGR
Ball bearings	Heavy duty ball bearings

### INTERNATIONAL WARRANTY CONDITIONS

- PlanetDISK® MX1 carries 2 yr. International Warranty of PlanetTEK Inc. with the exceptions of; Electrical parts (motor and control panel parts) which has 1-yr warranty. Ball bearings carry 5-yr warranty



GERMAN   
Technology



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