



P

AL

BIOLOGICAL TECHNOLOGY SEPTIC TANK



“ We serve and ensure to our clients with the best quality product ”



PT. BCAM

Facilities

1. Engineering Design, Factory, Machinery
2. Factory Area 8.000 M2
 - * With 4(Four) Building for Production
3. Production use Helical Filament Winding Process With Computerized System
4. Man Power More Than 120 Person.



Pencemaran air limbah domestik saat ini masih menjadi masalah yang serius, dalam proses penguraian limbah Organik System Septic Tank BIOTECH adalah Septic Tank Modern, sehingga hasil proses buangan air limbah domestik menjadi aman dan ramah lingkungan.

Dengan adanya teknologi Septic Tank BIOTECH membantu melestarikan lingkungan tetap bersih dan sehat.

Keunggulan Septic Tank BIOTECH

1. Hasil olahan buangan sesuai standar Pemerintah.
2. Pemasangan praktis dan mudah.
3. Tidak membutuhkan perawatan khusus.
4. Menggunakan Biological Technology System.
5. Produksi Biotech menggunakan standart ASME RTP 01.
6. Menggunakan Media Cell Biotech yang dirancang khusus.
7. Garansi Service Biotech 10 Tahun.



REPORT OF ANALYSIS

Client: A YUDHA MOTORS AND MANUFACTURING, PT
 21, Rawas Terate - Cakung
 20 - Cakung - Jakarta Raya

Date: 4 to December 4, 2014

Tested For: Physical and Microbiology

NOTIFICATION

STP Biotech
 Type: RCO-60
 Ukuran: 2250 x 15750 mm
 Proyek: Jl. Raya Bekasi Km. 21, Pulogadung
 Jakarta Timur 13050
 Output STP: Juwitel

Parameter	Unit	Test Results	Methods *) Part Number
Temp	mg/L	17.6	5210 B
Dissolved Solid	mg/L	42.9	5220 B
Total Solid	mg/L	11	2540 D
	mg/L	4.11	4500-NH ₄ -F
	mg/L	6.63	4500-H ⁺ -B
	mg/L	24.6	4500-PO ₄ -C
colony/100 mL	0	0	9222 B

Environmental Laboratory at
 SBU Laboratorium
 PT. NUSANTARA WATER CENTRE
 Purusanto

REPORT OF ANALYSIS

Client: SAPTADJUNA AGRIKUSA, PT
 Jl. Raya Golem V Kav. OR 3 B
 Kawasan Industri Pulogadung
 Jakarta

Type of Sample: WASTE WATER

Date Received: 23/12/2010

Date of Analysis: 23/12/2010 to 28/12/2010

Tested For: Physical and Chemical analysis

Description of Sample: Sample was submitted by client
 Packing: Unsealed plastic jar/nylon

Sample Identification: IPAL Biotech, Volume: 70 M³/day

Parameter	Unit	Test Result	Methods *) Part Number
Ammoniac	mg/L	3.27	4500-NH ₄ -F
BOD 5 days 20 °C	mg/L	6.4	5210 B
COD by K ₂ Cr ₂ O ₇	mg/L	20.1	5220 B
pH		6.77	4500-H ⁺ -C
Total Suspended Solid	mg/L	12	2540 D

SBU General Services
 PT. NUSANTARA WATER CENTRE
 Purusanto

Sertifikat Hasil Analisis

Client: Klinik Family
 Jl. Raya Banten Parung Faman Lembang Indah
 Blok Perak No. 1, Lembang - Bandung 40112

Analisis: Output STP Biotech - RCO 4 Klinik Family

Date: 05-06-13

Analisis: 05-06-13 Sampel 20-06-13

Analisis: Air Limbah Domestik

No	Parameter	Unit	Perlu Wkt. *)	Metode Analisa	Area Metode
1	Temperatur	°C	11	5210 B	5210 B
2	BOD 5 days 20 °C	mg/L	100	5210 B	4500-NH ₄ -F
3	COD by K ₂ Cr ₂ O ₇	mg/L	100	5220 B	5220 B
4	Ammoniac	mg/L	100	4500-NH ₄ -F	4500-NH ₄ -F
5	pH		11	4500-H ⁺ -C	4500-H ⁺ -C

PT. NUSANTARA WATER CENTRE
 Purusanto

PERHITUNGAN KOMUNITAS

Typical wastewater Socrates from commercial sources & recreational facilities

SOURCE	UNIT	FLOWRATE, L / UNIT'D	
		RANGE	TYPICAL
Airport	Passenger		15
Apartment	Badroom	380 - 390	450
Automobile Service Station	Vehicle Served		
Bar / Cocktail Lounge	Employee	34 - 57	40
	Seat		
Boarding House	Employee	38 - 60	50
Conference Center		95 - 350	
Department Store	Person	40 - 60	170
	Toilet Room	1300	30
	Employee		1500
	Guest	150 - 230	190
	Employee	30 - 57	40
Hotel	Employee	57 - 130	75
	Machine	1500 - 2100	40
Industrial Budding (Sanitary Waste Only)	Customer	170 - 210	190
Laundry (Self-Service)		470 - 570	1700
Mehile Home Park		210 - 340	
Motel (With kitchen)	Guest	150 - 190	510
Office	Employee	26 - 60	230
Public Lavatory	User		15
Motel (Without Kitchen)	Customer	26 - 40	35
Conventional		11 - 19	
With Bar / Cocktail Lounge			
Restaurant :		26 - 50	
Shopping Center	Parking Space		
Theater Indoor	Customer	34 - 45	40
	Employee	190 - 260	230
	Person		8
Cabin, Resort		4 - 11	
Cafeteria	Customer	8 - 15	10
Apartment, Resort	Employee		
	Person	30 - 190	150
With Toilets Only			10
With Central Toilet & Bath Facilities		130 - 190	170
		30 - 45	40
Cottages (Seasonal With Private Bath)	Person	150 - 230	
Camp :			
Country Club	Member Present		
	Person	55 - 110	95
	Employee		25
	Person		130
	Meal Served		100
Dormitory, Bunkhouse		75 - 190	130
Fairground		75 - 150	100
Picnic Park with Flush Toilets	Visitor	38 - 57	50
Dining Hall		15 - 40	
With Individual Connection	Vehicle		
With Comfort Station	Vehicle	150 - 190	8
Roadside Rest Areas		19 - 38	15
Recreational Vehicle Park :	Customer		
Vacation Home	Person	280 - 570	380
Visitor Center			190
	Person	10 - 19	170
	Employee	30 - 45	40
		90 - 230	
	Visitor	10 - 19	15

Typical comparisons of interior water use without and with water-conservation practices and devices

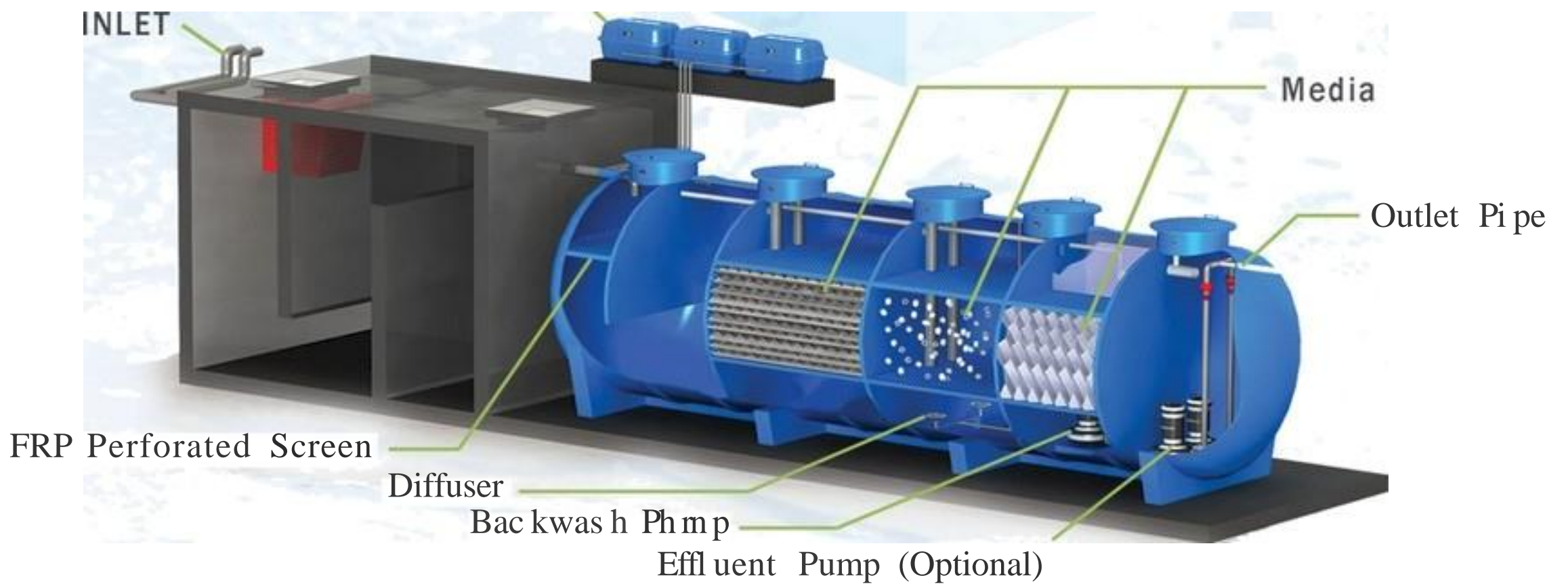
USE	FLOW, L / CAPITA'D	
	WITHOUT WATER CONVERSATION	WITH WATER CONVERSATION
Dishwashing		
Clothes dashing		
Faucets		
Toilets	5	5
Bathing	36	42
Leaks		
Showers		
Others Domestic Use	4	4
Totals	64	
	43	42
	73	35
		18
	6	6
	281	197



SAWAGE TREATMENT PLAN (STP) I\$IOGCH

TYPE RCO-SENES

Diaphragm Blowed



EQUIPMENT



ROOT BLOWER



DIAPHRAGM BLOWER



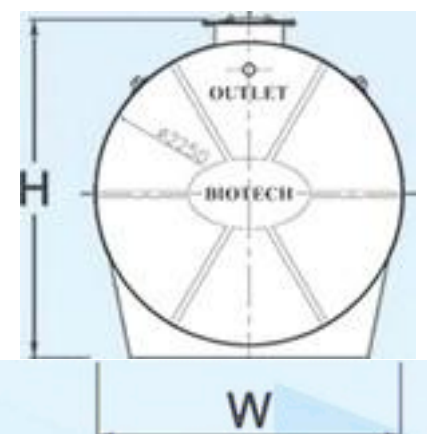
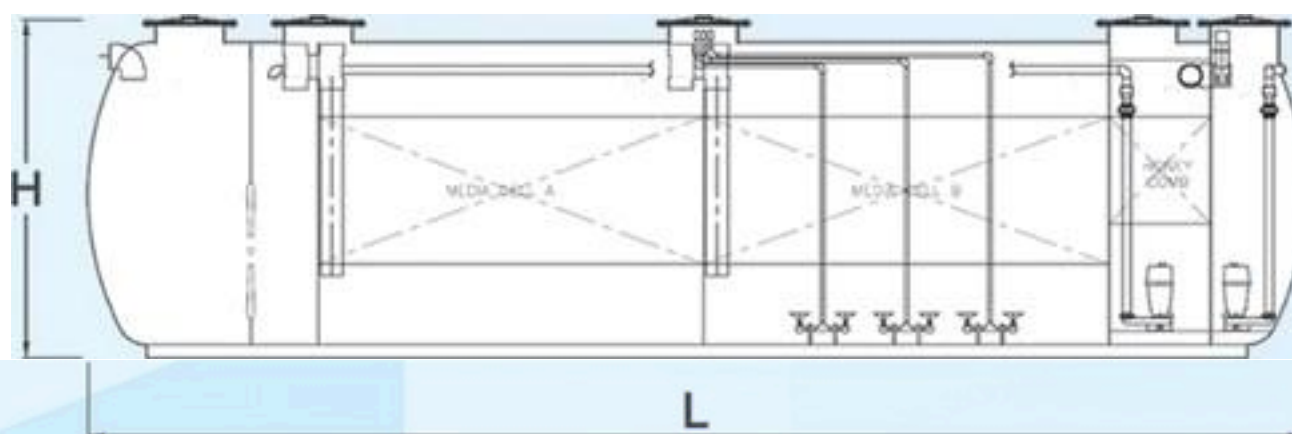
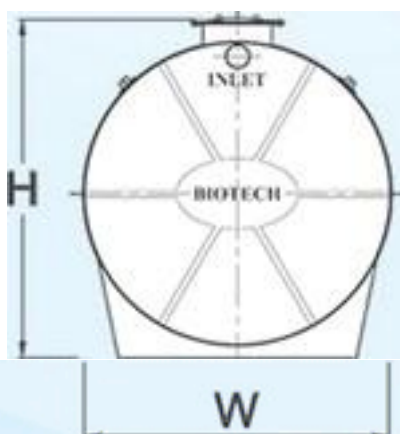
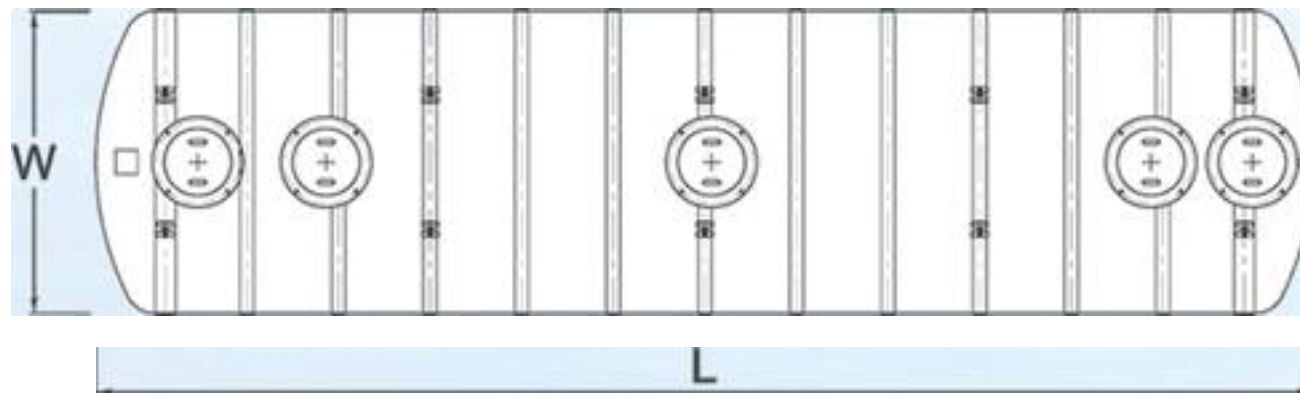
DIFFUSER



SUMMERSIBLE PUMP



CONTROL PANEL



MABEL STANDARD PRODUK AWAERANEN PLAN SPBIOTE PIPE RCO

Model	Flowrate (m³/day)	Influence BOD (mg/L)	Dimension (mm)			Inflow Pipe (mm)	Manhole Cover Diameter (mm)
			Total Widht (W)	Total Height (H)	Total Length (L)		
RCO-2	2	300	1.200	1.3	1.0	100	500
RCO-3	3	300	1.350	1.530	2.00	100	500
RCO-4	4	300	1.350	1.530	2.800	100	500
RCO-5	5	300	1.500	1.6	3.0	100	500
RCO-6	6	300	1.500	1.680	4.500	100	500
RCO-7	7	300	1.500	1.730	5.100	100	500
RCO-8	8	300	1.750	1.980	6.200	100	500
RCO-9	9	300	2.000	2.280	8.000	100	500
RCO-10	10	300	2.250	2.530	10.100	100	500
RCO-15	15	300	2.250	2.530	13.600	150	500
RCO-20	20	300	2.250	2.530	15.100	150	500
RCO-25	25	300	2.250	2.530	17.600	150	500
RCO-30	30	300	2.250	2.530	20.100	150	500
RCO-35	35	300	2.250	2.530	22.600	150	500
RCO-40	40	300	2.250	2.530	25.500	150	500
RCO-45	45	300	2.250	2.530	28.000	150	500
RCO-50	50	300	2.250	2.530	30.500	150	500
RCO-60	60	300	2.250	2.530	35.700	150	500
RCO-70	70	300	2.250	2.530	41.000	150	500
RCO-80	80	300	2.250	2.530	46.300	150	500
RCO-90	90	300	2.250	2.530	51.600	150	500
RCO-100	100	300	2.250	2.530	56.900	150	500
RCO-125	125	300	2.250	2.530	67.200	150	500
RCO-150	150	300	2.250	2.530	77.500	150	500
RCO-175	175	300	2.250	2.530	87.800	150	500
RCO-200	200	300	2.250	2.530	98.100	150	500
RCO-250	250	300	2.250	2.530	122.600	200	500
RCO-300	300	300	2.250	2.530	147.100	200	500
RCO-350	350	300	2.250	2.530	171.600	200	500
RCO-400	400	300	2.250	2.530	196.100	200	500
RCO-450	450	300	2.250	2.530	220.600	200	500
RCO-500	500	300	2.250	2.530	245.100	200	500

Keterangan : Dimensi tangki dapat disesuaikan dengan kebutuhan lapangan.

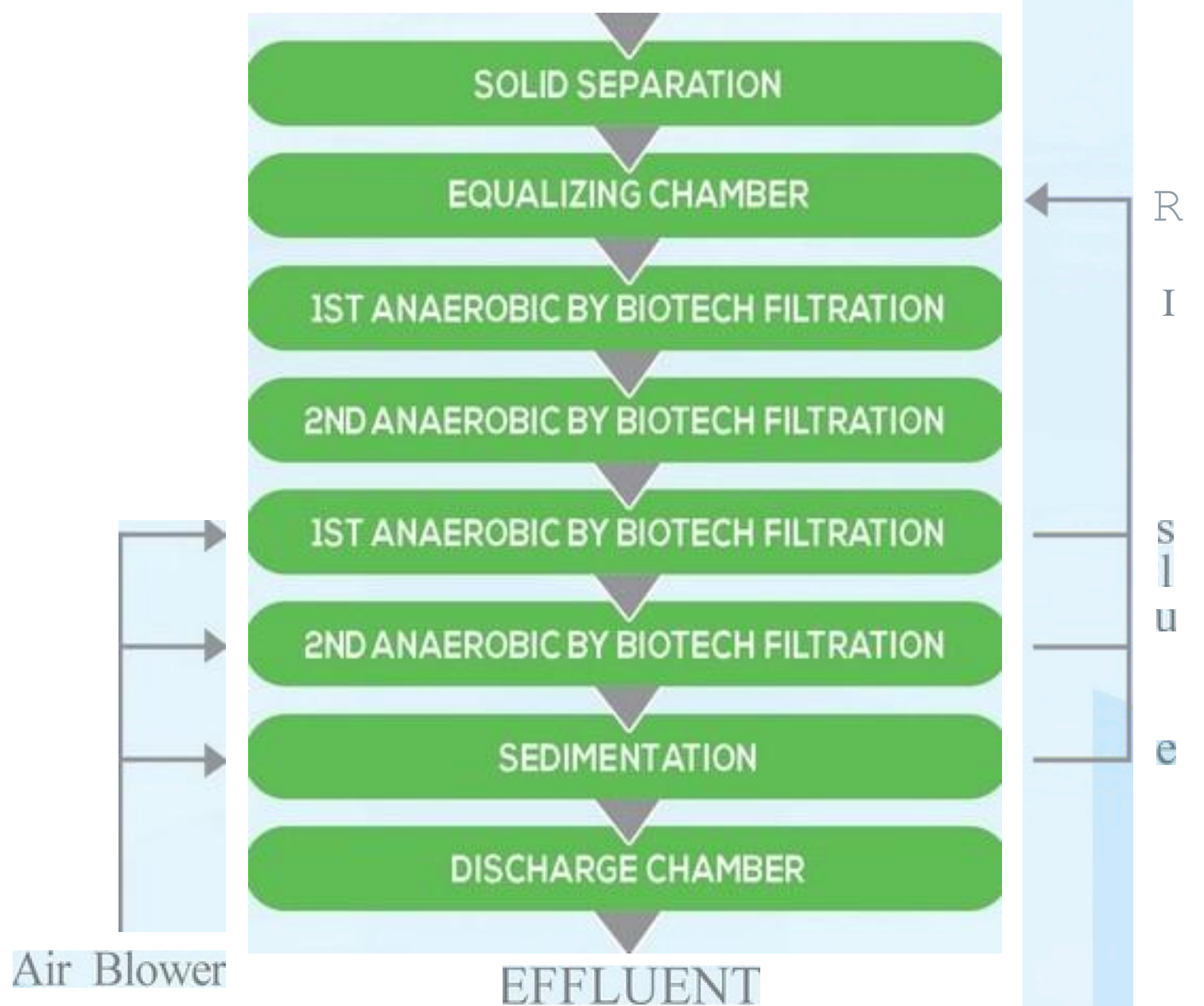


BIOTECH TYPE RCX — SERIES



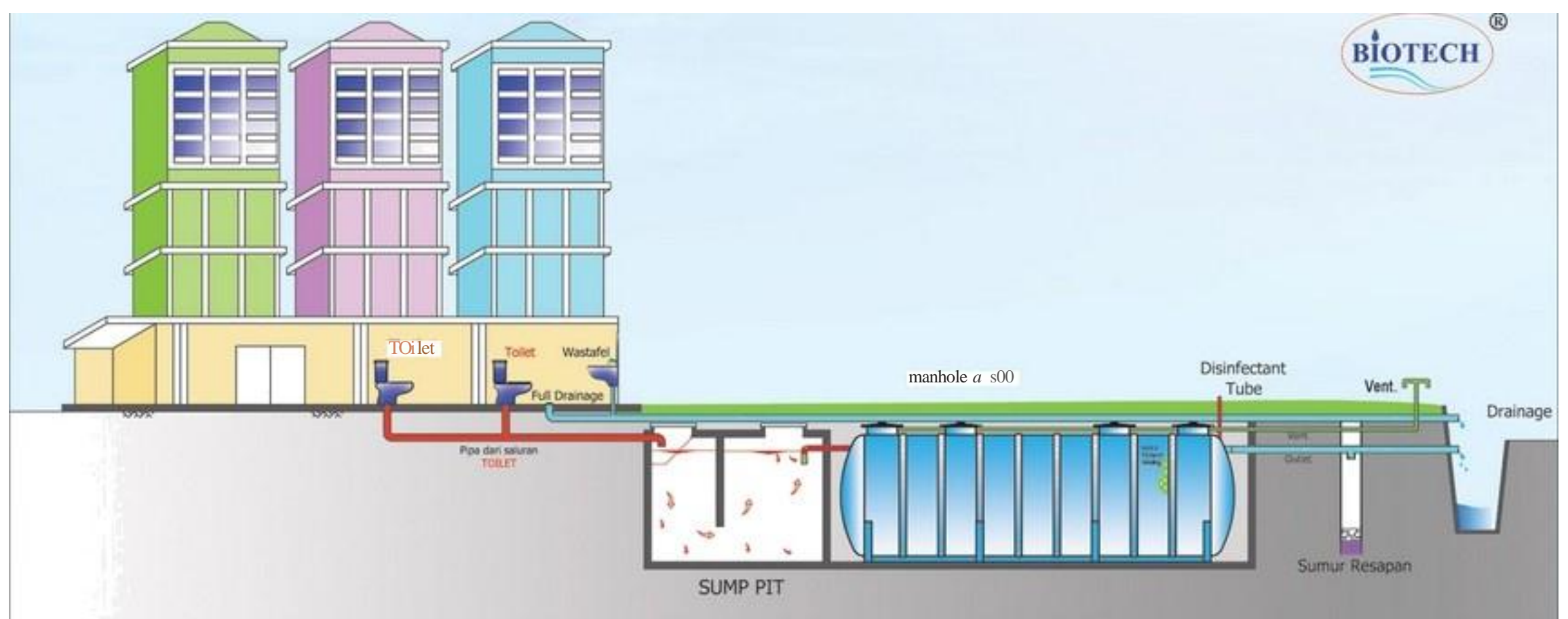
Flow Chart PTBCAM

INI LUKNT

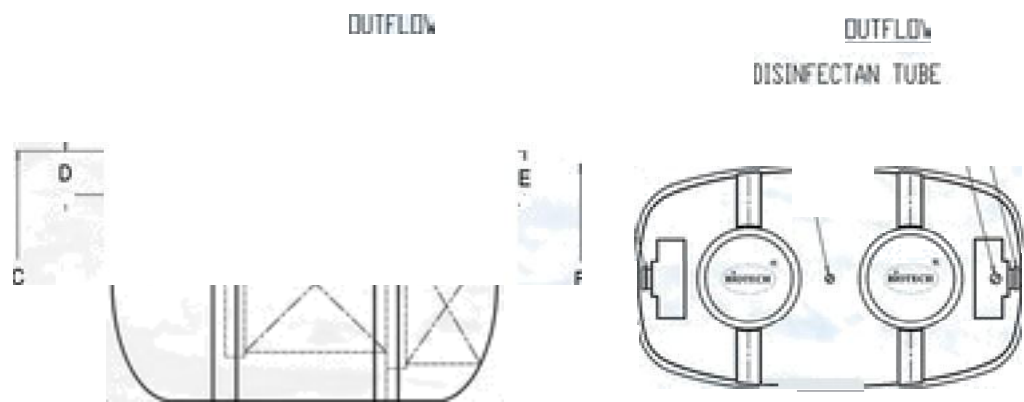


No	Tipe	Volume (M ³)	Ukuran (M)		Model
			Diameter	Panjang	
1	RCX-2	2	1200	2000	Horizontal
2	RCX-3	3	1350	2000	Horizontal
3	RCX-4	4	1350	2800	Horizontal
4	CCX-S	S	1350	3500	Horizontal
5	RCX-6	6	1500	3500	Horizontal
6	RCX-T	T	1500	4000	Horizontal
7	RCX-9	9	1700	3800	Horizontal
8	RCX-10	10	1750	4000	Horizontal
9	CCX-12	12	1750	3000	Horizontal
10	RCX-15	15	2000	4800	Horizontal
11	RCX-15	15	2000	5100	Horizontal
12	RCX-17	17	2000	5500	Horizontal
13	RCX-18	18	2000	5700	Horizontal
14	RCX-1D	1D	2000	6000	Horizontal
15	RCX-20	20	2000	5500	Horizontal
16	CCX-25	25	2000	6000	Horizontal
17	RCX-30	30	2250	7500	Horizontal
18	RCX-35	35	2250	8800	Horizontal
19	RCX-40	40	2250	10100	Horizontal
20	RCX-45	45	2500	12000	Horizontal
21	RCX-50	50	2500	10200	Horizontal

CARA PEMASANGAN BIOTECH TYPE RCX - SERIES

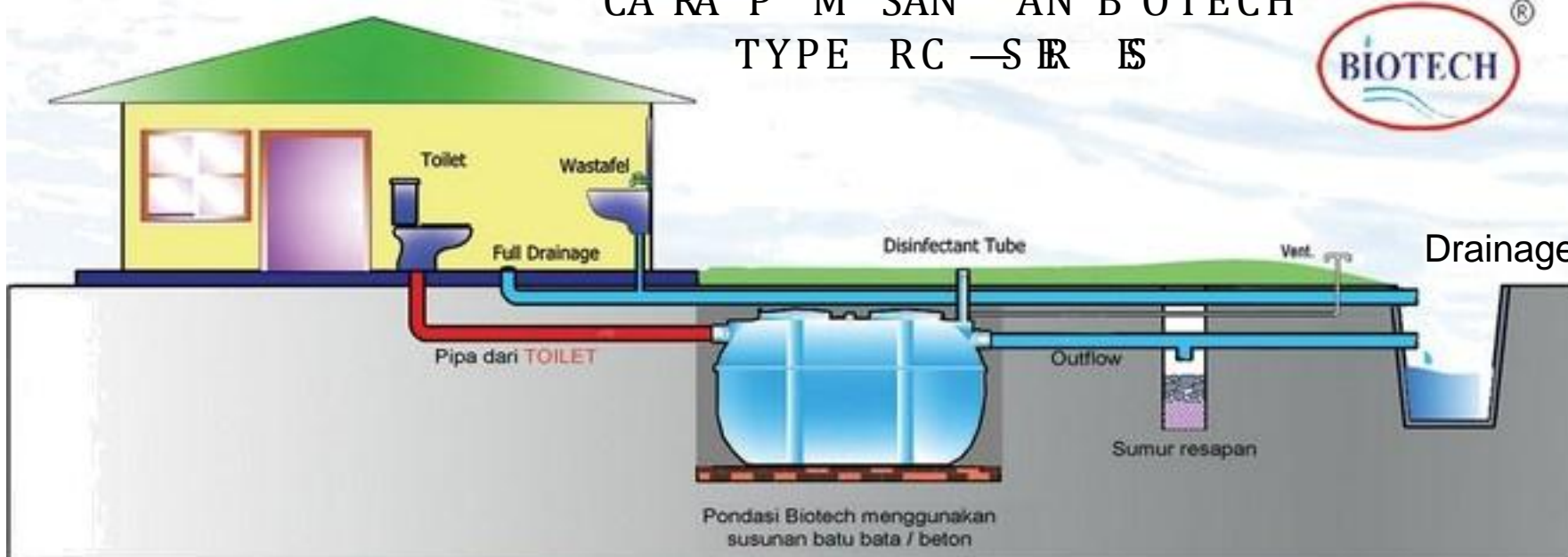


BIOTECH TYPE RC - SERIES



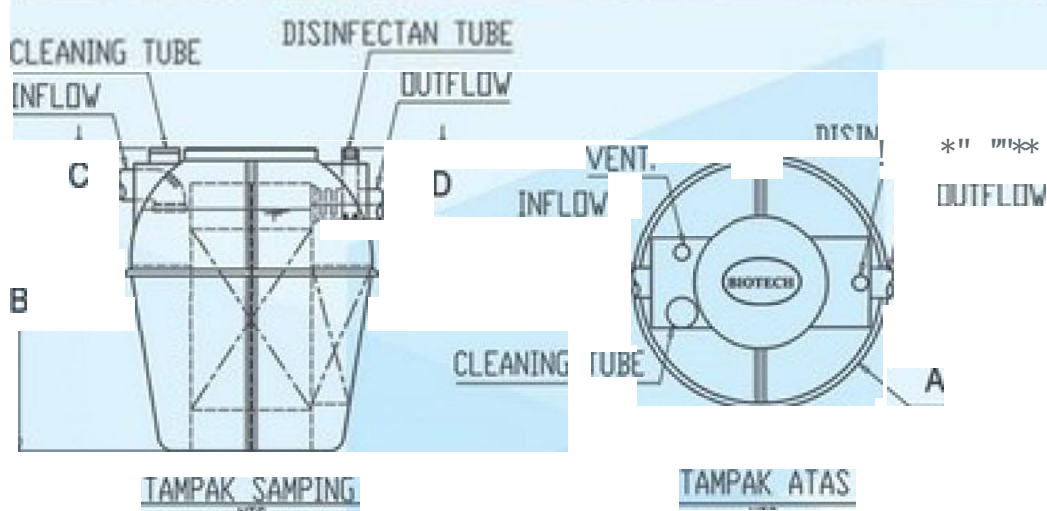
KETERANGAN		TIPE				
KAPASITAS (Orang)		5-8	5-8	8-12	12-15	15-20
DIMENSI (mm)	Panjang (A)	1700	2000	2000	2400	3000
	lebar (B)	1100	800	1160	1160	1200
	Tinggi (C)	1100	1350	1270	1270	1300
	Inlet (D)	220	220	220	220	220
	Outlet (E)	260	260	260	260	260
DIAMETER PIPA	Pipa Inlet	100	100	100	100	100
	Pipa Outlet	100	100	100	100	100
	Pipa Venting	50	50	50	50	50
	Cleaning Tube	100	100	100	100	100
	Disinfectan Tube	50	50	50	50	50
	MATERIAL	Bod' / Media Cell A	FhF PVC SHEET			
	Media Cell B	HDPE				

CARA PEMASANGAN BIOTECH TYPE RC - SERIES



021-540 2100 (hunting)
 Fex. :
 021-545 2190
 Email :
 moikctingc@bintec.cp.in

BIOTECH TYPE BE - SERIES



KETERANGAN		TIPE				
KAPASITAS (Orang)		BT-06	BT-08	BT-12	BT-15	BT-16
DIMENSI (mm)	RUMAH TINGGAL	2-3	3-5	5-7	8-15	15-20
	Diameter (A)	900	1100	1200	1600	2050
	Tinggi (B)	1150	1350	1600	2000	2350
	Inlet Depth (C)	150	150	150	150	150
DIAMETER PIPA (Inches)	Outlet Depth (D)	250	250		250	250
	Pipa Inlet	4	4	4	4	4
	Pipa Outflow	4	4	4	4	4
	Pipa Vent'ng	2	2	2	2	2
	Cleaning Tube	4	4	4	4	4
MATERIAL	Disinfectan Tube	2	2	2	2	2
	Body	FRP				
	Media Cell A	PVC SHEET				
	Media Cell B	HDPE				
	Pipa	PVC				

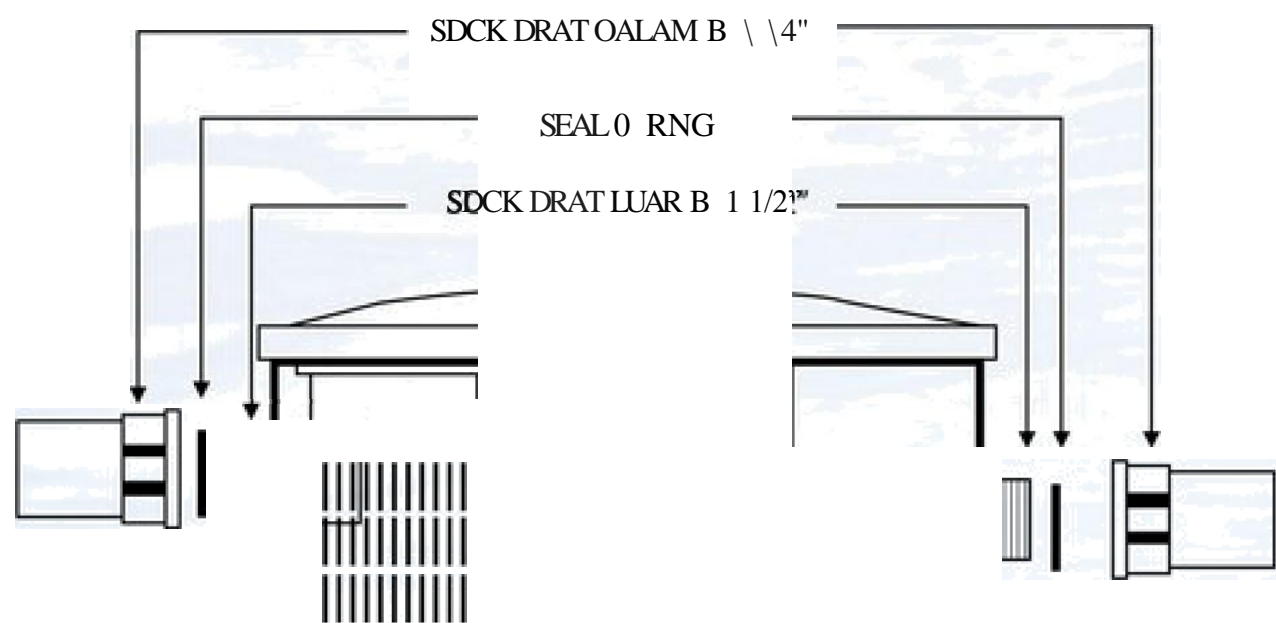
Tahapan Pemasangan Biotech BT- Series

1. Gali tanah lebih besar dari ukuran Biotech, Kedalaman disesuaikan dengan saluran pipa WC. Buat pondasi sesuai diameter Biotech.
2. Letakkan Biotech kedalam galian tersebut dan atur posisi dengan benar. Sambungkan pipa pipa saluran inlet, outlet dan ventilasi.
3. Isi Biotech dengan air sampai penuh, kemudian mulai limbun dengan pasir disekeliling Biotech.
4. Septic Tank Biotech siap digunakan.
 Note: Jika permukaan atas akan dibebani maka diperlukan beton bertulang

GI1r«51i TO BIOTECH



- ” Res orant
- ” Aparte en
- ” Food Court
- ” Hotel
- ” Mall
- ” DII.



DIM: 338 mm (L) x 418 mm (P) 328 mm (T)

ST TER BACTERIA IIIIOGCH

Mikroorganisme menghasilkan enzim yang mempunyai peranan penting didalam pmes biokonversi yaitu rr>engubah suatu senyawa menjadi **senyawa** lain yang lebih bermanfaat. Proses ini merupakan dasar dikembangkan dan diterapkannya untuk memenuhi kebutuhan hidUp manusia. Misalnya digunakan untuk pengembangan industri, kesehatan, pertanian seña pengeblaan lingkungan hidup untuk menjaga kelestariannya. Pemanfaatan mikroorganisme yang menguntungkan merupakan aebuah jawaban untuk mempeleh kepraktican dan kemudahan dalam mengatasi timbah-limbah organic yang aba. *BIOTECH BE - 500* merupakan staler, beatment, dan sub6trat yang dibutuhkan mikroorganisme yang menguntungkan sehingga dapat bekerja secara euperfantastis dan pasti.

TOILET PORTABLE BIOTECH



TYPE - A	TYPE - B	TYPE - C
Dimensi 1800X1500X2250	Dimensi 2200X850X2500	Dimensi 1200XB50X2300
TeDBI URL	TeDaT FRF° mm	TeDBf FRP° B mm
Kunci Silinder	Kunci Silinder	Kunci Silinder
O.B rrt• Water Tor*k 0.4 rrt*	0.4 m* Water Tank 0.2 m*	0.4 m³
SO t.		

NeW DeSign *Tet\$ a 0 l 0 \$ f* SySteu

Parttime toilet sangat cocok digunakan sebagai pengganti Toilet permanen untuk urnuw dan wuöah dipindahksn den sangat mudah d»Iax perawatsnnya jug» bergaransi.

Notable lifted dilengkapi dengan voter tank, Seyti« tank, dan instalssi pipa.



