

PTBCAM
Contact Person :
081385926926

P

AL

BIOLOGICAL TECHNOLOGY SEPTIC TANK



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

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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. YUCHA MOTORS AND MANUFACTURING, PT
21, Rawa Terate - Cakung
20 - Cakung
4
4 to December 4, 2014
i and Microbiology

NTIFICATION

STP Biotech
Type : RCD-60
Ukuran : 2250 x 15750 mm
Proyek : Jl. Raya Bekasi K. 21, Pulogadung
Jakarta Timur 13050
Output STP : Justru

Parameter	Unit	Test Results	Methods *) Part Number
Temp	mg/L	17.6	5210 B
ed Solid	mg/L	42.9	5220 B
	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	9222 B

*) Standard Methods, 19th Edition 2005, APHA, AWWA, WEF

Environmental Laboratory at
Batu-15.12.13

REPORT OF ANALYSIS

Client: SPTAGUNA AGRIKULTURA, PT
Jl. Raya Galem V Kav. 03 B
Kawasan Industri Pulogadung
Jakarta

TYPE OF SAMPLE : WASTE WATER

DATE RECEIVED : 23/12/2010

DATE OF ANALYSIS : 23/12/2010 to 29/12/2010

TESTED FOR : Physical and Chemical analysis

DESCRIPTION OF SAMPLE : Sample was submitted by client
Packing : Unsealed plastic jar/box

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	8.41	5210 B
COD by K ₂ Cr ₂ O ₇	mg/L	20.1	5220 B
pH		6.77	4500-H ⁺ -B
Total Suspended Solid	mg/L	12	2540 D

*) Standard Methods, 19th Edition 2005, APHA, AWWA, WEF

CBT.36.3029.10.30

Sertifikat Hasil Analisis

Client: Klinik Family
Jl. Raya Banten Parung Taman Lingsar Indah
Blok Parkir No. 1, Lingsar - Serang 43112

1. No. Sampel : 176/212
2. Identifikasi Sampel : Output STP Biotech - RCD 4 Klinik Family
3. Tanggal diterima : 23-Dec-10
4. Tanggal Pengujian : 28-Dec-10
5. Lokasi Analisa : AP Lingsar Domestic

*) Informasi Hasil Analisa

No	Parameter	Unit	Hasil Uji	Metode Analisa	Referensi Metode
1	ammoniac	mg/L	3.27	4500-NH ₄ -F	APHA 4500-NH ₄ -F-2005
2	BOD 5 days 20 °C	mg/L	8.41	5210 B	APHA 5210-B-2005
3	COD by K ₂ Cr ₂ O ₇	mg/L	20.1	5220 B	APHA 5220-B-2005
4	pH		6.77	4500-H ⁺ -B	APHA 4500-H ⁺ -B-2005
5	Total Suspended Solid	mg/L	12	2540 D	APHA 2540-D-2005

*) Parameter Tersebut

Hasil yang dipaparkan hanya berdasarkan dengan sampel yang telah teruji dan terakreditasi.
Analisa hasil yang teruji dan terakreditasi.
The certificate of analysis may not be copied without written approval from PT. Nusantara Water Centre.

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PERHITUNGAN OMUNITAS

Typical wastewater Socrates from commercial sources 8 recreational facilities

SOURCE	UNIT	FLOWRATE, L / UNIT'D	
		RANGE	TYPICAL
Airport	Passenger	15	
Apartment	Badroom	380 - 570	450
Automobile Service Station	Vehicle Served		
la r / CocktaiT Lounge	Employee	34 - 57	40
	Seat		
Boardinp 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 - T30	75
Industrial Budding (Sanitary Waste Only)	Machine	1500 - 2T00	40
Laundry (Self-Service)	Customer	1?0-210	190
Mehile Home Park		470 - S7Q	1700
Motel {With kitchen}		210-340	
	Guest	1P0 - J90	510
Office	Employee	26 - 60	50
Public Lavatory	Guest		15
Motel (Without Kitchen)	User		
Convensional	Customer	26-40	35
With Bar / Cocktail Lounge		11 - 19	
Restaurant :		26 - 50	
Shoppinp Center	Parking Space		
Theater Indoor	Customer	34 - 45	40
	Seat		
	Employee	190 - 260	230
	Person		
Cabin, Resort		4 - 11	8
Cafetaria	Customer	8 - 15	10
Apartment, Resort	Employee		
	Person	30 - 190	150
With Toilets Only			10
With Central Toilet & Bath Facilities		130-190	170
Cottages (Seasonal With Private Bath)		30 - 45	40
Camp :	Person	150 - 230	
Country Club	Member Present		
	Employee	55 - 110	95
	Person		
	Meal Served		25
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 :	Cusome		
Vacation Home	Person	280 - 570	380
Visitor Center			190
	Person	10 - 19	
		10 - 19	
	Employee	30 - 45	40
		90 - 230	
	Visitor	10 - 19	15

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

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

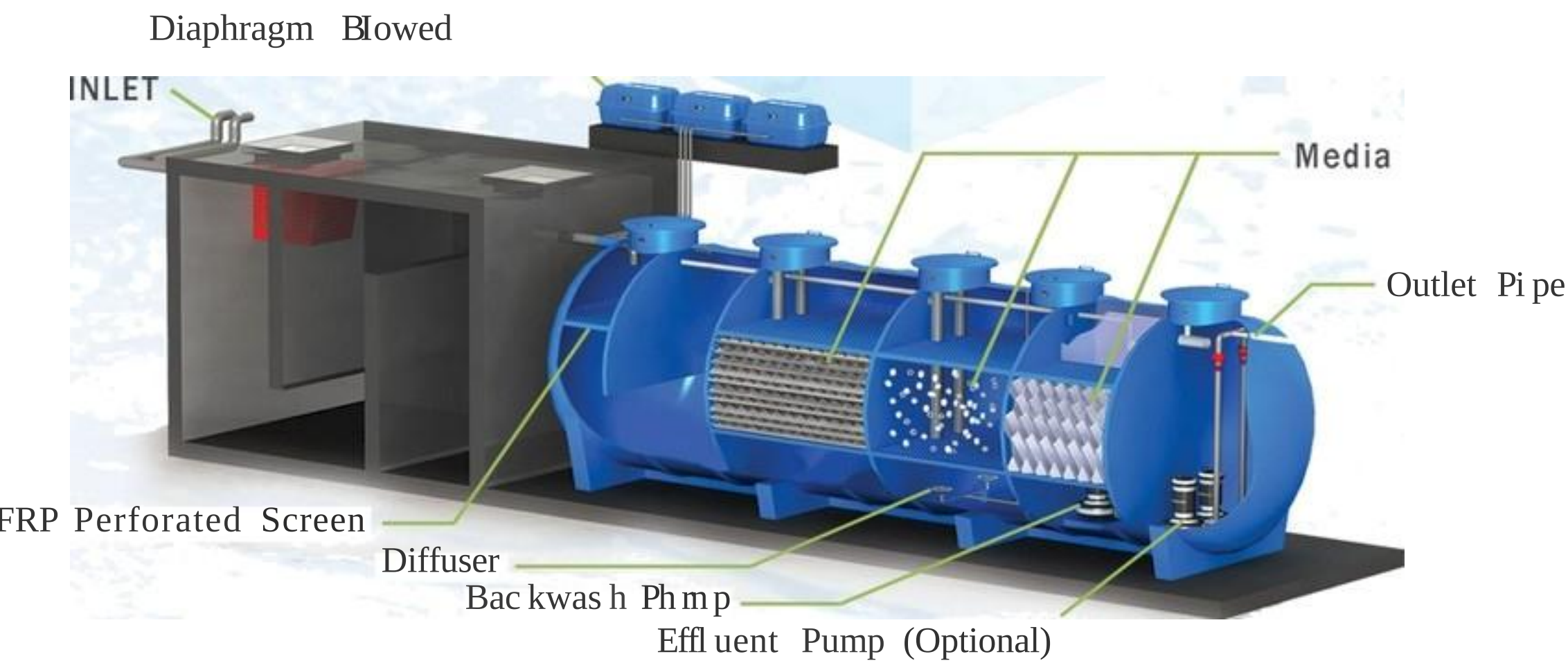


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SAWAGE TREATMENT PLAN (STP) I\$IOGCH

TYPE RCO-SENES



EQUIPNENT



ROOT BLOWER



DIAPHRAGM BLOWER



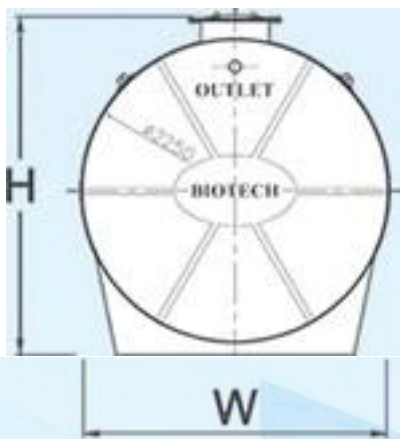
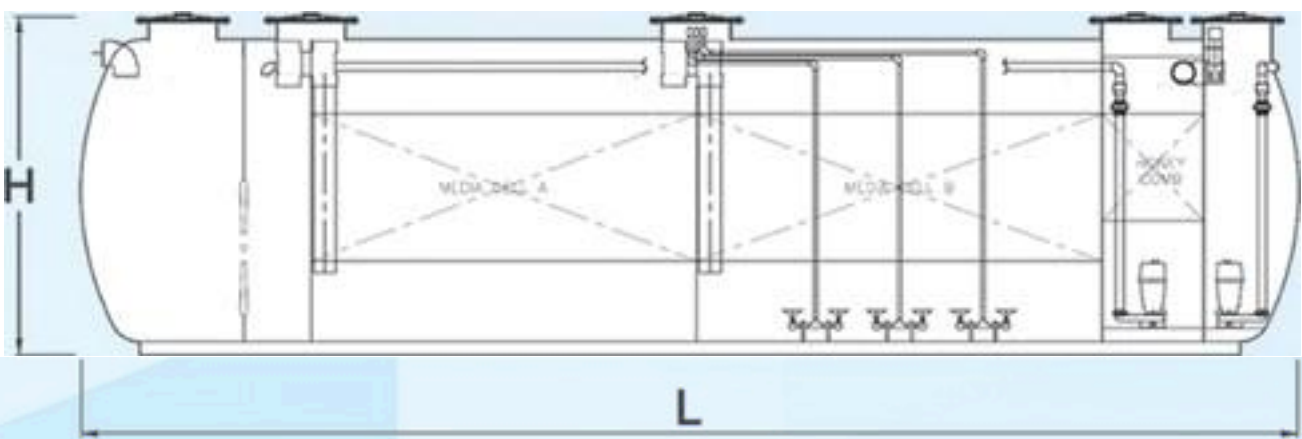
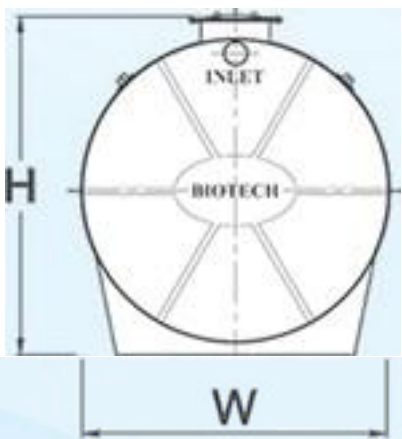
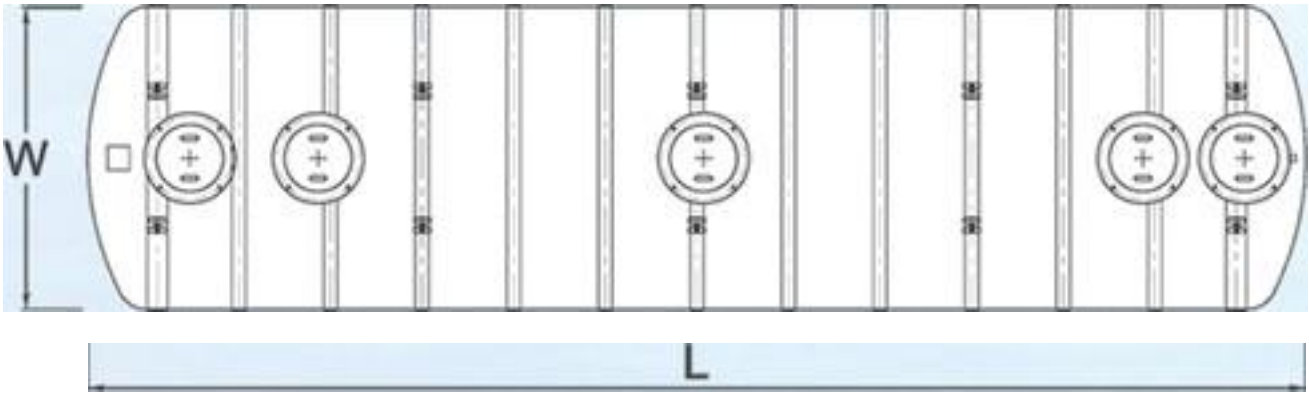
DIFFUSER



SUMMERSIBLE PUMP



CONTROL PANEL



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MABEL STANDARD PRODUK
AWAEREANEN 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	00	00
RCO —3	3"	30	1. 0	1.530	2. 00	100	500 "
RCO - á	4	300	1.350	1.530	2.800	100	500
RCO —		300	1. 0	1.	3 0	100	00
RCO —		300	1 0	1.	3 0	100	500
RCO —	7 "	300	1.500	1.6	4. 0	100	500 "
RCO —8	8	300	1.500	1.680	4.500	100	500
RCO - 9	0	300	1.500	1.730	5.100	100	500
RCO —10	10	300	1.750	1.	200	100	500
RCO —15	15	300	1.750	1.980	6.200	100	500
RCO —	20	300	2. 0	2.280	6 0	100	500
RCO - 20	25	300	2.000	2.280	8.000	100	500
RCO —3	30	300	2.250	2.	7. 0 "	100	00
RCO - 35	35	300	2.250	2.530	8.800	100	500
RCO —40	40 "	300 "" "	2.250	2.530	10.100 " "	100 "	500 "
RCO —50	45	300	2.N0	2.SP	11.500	100	00
RCO —	50	0	2.250	2.530	13.600	150	500
RCO - 60	60	300	2.250	2.530	15.100	150	500
RCO —70	70	300	2.250	2.530	17.600	150	500
RCO —80	80	300	2.M0	2.530	20.100	150	50
RCO —90	90	300	2.250	2.õ30	.6	150	500
RCO —100	100	300	2.	2.	20.500	150	500
RCO - 125	125	300	2.500	2.800	25.500	150	500
R 0	0	300	2 0	2	600	1 0	0
RCO —175	175	300	2. 0	2.8	35.700	150	500
RIO —	200	0	2. 0	.8	.8	200	0
RCO - 250	250	300	2.500	2.800	51.000	200	500
RCO —	0	300	2. 0	2.	61.200	200	0
RCO - 350	350	300	2.500	2.800	71.400	200	500
RIO —	0	0	2. 0	2.8	81. 00	00	0
RCO —450	450	300	2.500	2.800	91.800	200	500
RCO -	0 "	300	2. 0 " "	28	02. "	200	5 0

Keterangan : Dimensi tangki dapat disesuaikan dengan kebutuhan lapangan.



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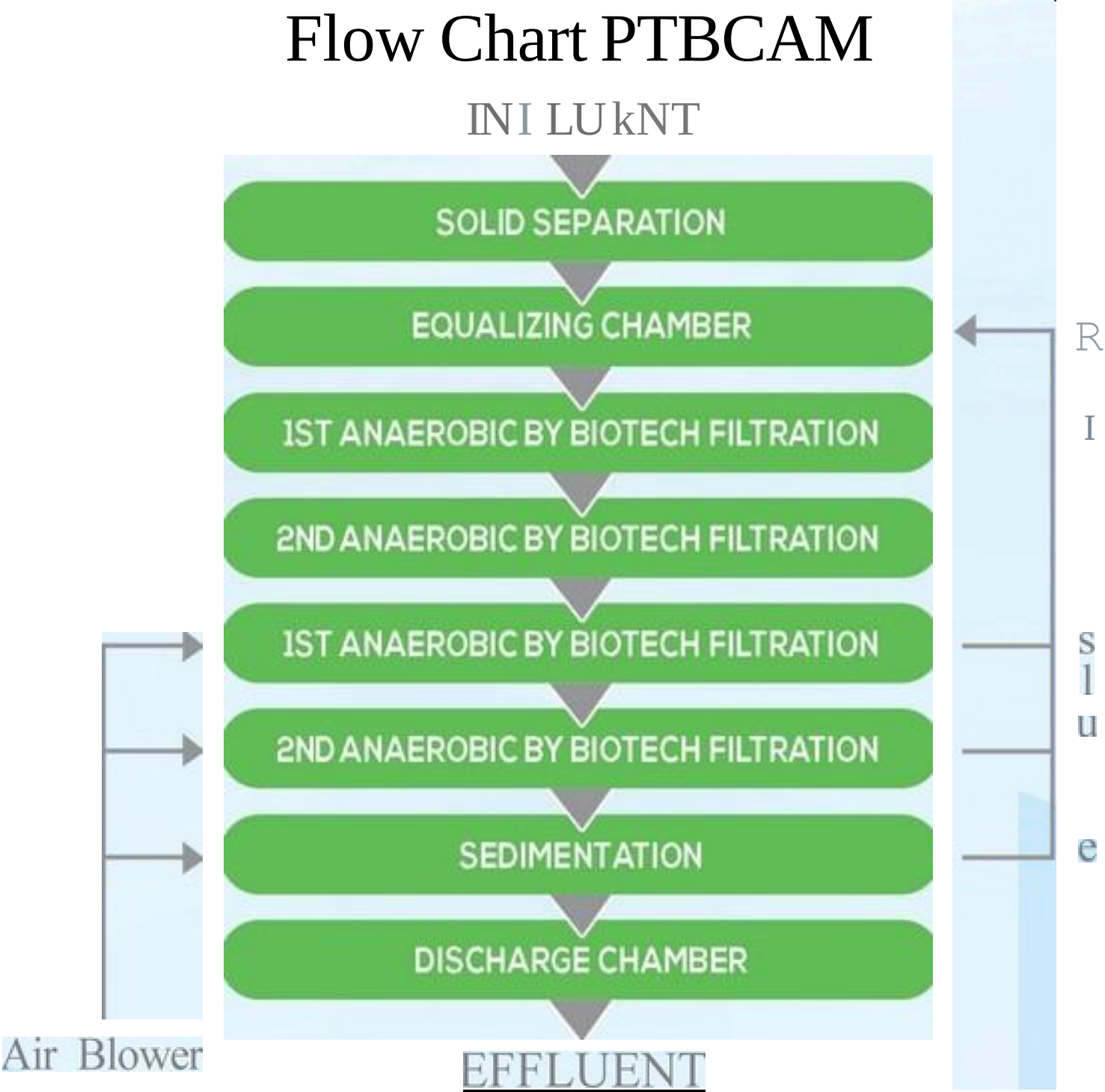
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BIOTECH TYPE RCX —SERIES



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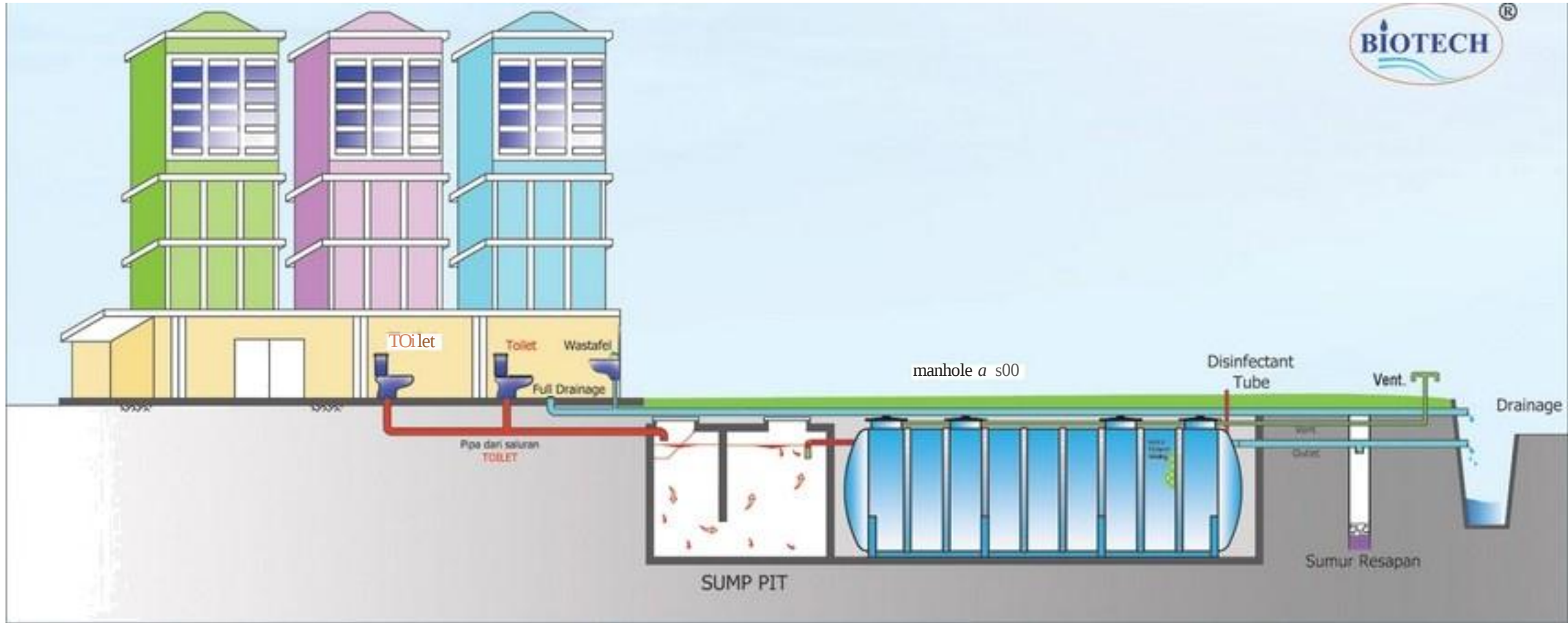
Flow Chart PTBCAM



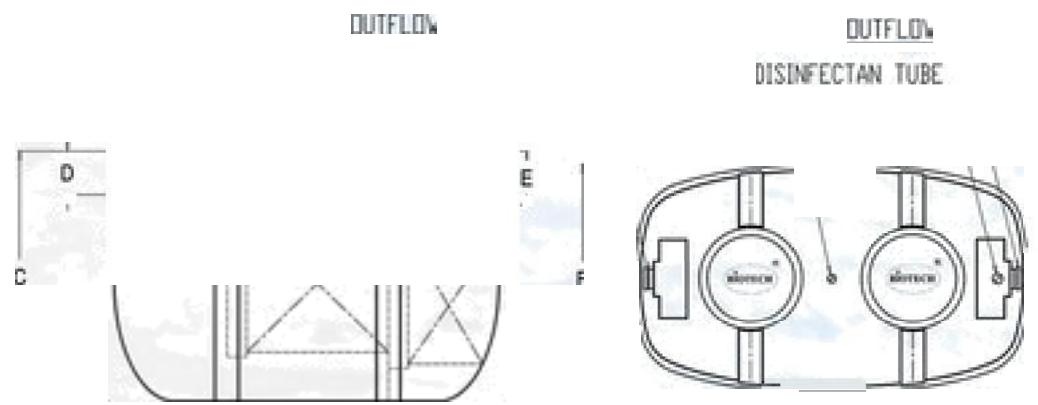
No	Tipe	Valone (MB)	Uvran (M)		Model
			Diameter	Fanjang	
1	RCX-Z	Z	1200	2000	Horizontal
2	RCX-3	3	1350	2000	Horizontal
3	RCX-4	4	1350	2800	Horizontal
4	RCX-S	S	1350	3500	Horizontal
5	RCX-6	6	1500	3500	Horizontal
6	RCX-T	T	1500	4000	Horizontal
7	RCX-9	9	1700	3800	Horizontal
8	RCX-10	10	1750	4000	Horizontal
9	RCX-12	12	1750	4000	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-20	20	2000	6000	Horizontal
15	RCX-20	20	2000	6500	Horizontal
16	RCX-25	25	2000	8000	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

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CARA PEMASANGAN BIOTECH TYPE RCX - SERIES



BIOTECH TYPE RC - SERIES



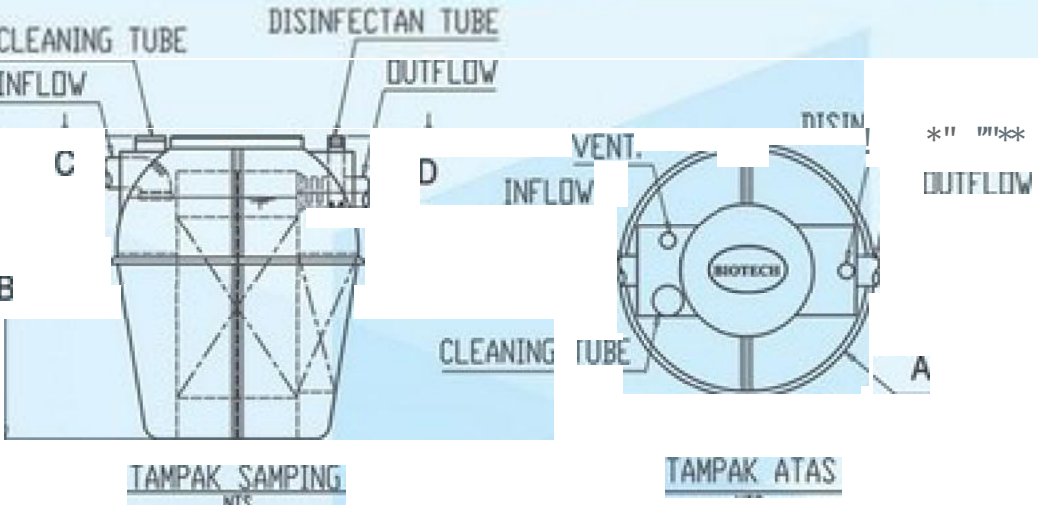
KETERANGAN						
KAPASITAS (Orang)		5 - 8	5 - 8	8 - 12	12 - 15	15 - 20
DIMENSI (mm)	Panjang (A)	1700	2000	2000	2400	3000
	Lebar (B)	1100	800	1160	1160	1200
	Tinggi (C)	1100	1350	1270	1270	1300
	Inlet (D)	220	220	220	220	220
	Outlet (E)	260	260	260	260	260
DIAMETER PIPA	Pipa Inlet	100	100	100	100	100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

CARA PEMASANGAN BIOTECH TYPE RC -SERIES



021-540 2100 (hunting)
Fex. :
021-545 2190
Email :
moi kctingC† bintec.cp.in

BIOTECH TYPE BE –SERIES



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

Pipa PVC

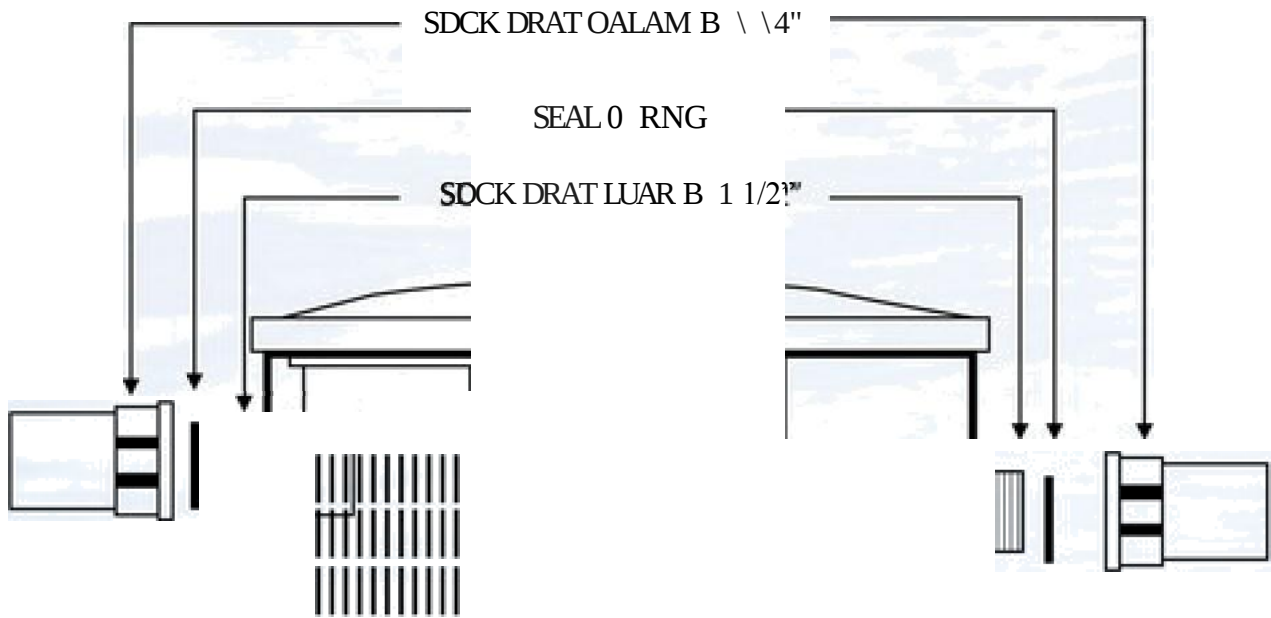
Tahapan Pemasangan Biotech BT- Ueries

1. Gali tanah lebih besar dari ukuran Biotech, Kedalaman disesuaikan dengan saluran pipa WC.Buat pOndasi 9esuai diameter Biotech.
 2. Lelakkan Biotech kedalam galian tersebut dan attr posisi dengan benar. Sambungkan pipa pipa salurari inlet. oullet dan ventilasi.
 3. Isi Biotech dengan air sampai penuh, kemudian mulai limbun dengan pasir disekeliling Biotech.
 4. Seplic Tank Biotech siap gunakan.
- Nole Jika permukaan atas akan dibebani maha 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

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Mikroorganisme menghasilkan enzim yang mempunyai peranan penting didalam pnmes biokonversi yaitu rr>engubah suatu senyawa menjadi **senyawa** lain yang lebih bermanfaat. Proses ini merupakan dasar dikembangkan dan diterapkannya untuk memenuhi kebutuhan hidUp manu9ia. Misalnya digunakan untuk pengembangan industri, kesehatan, pertanian seña pengeblaan lingkungan hidup untuk menjaga kelestariannya. Pemanfaatan mikroorganisme yang menguntungkan merupakan aebuah jawaban untuk mempemleh kepraktican dan kemudahan dalam rnengatasi 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 1800X1500X2850 TeDBI URL	Dimensi 2200X850X2800 TeDaT FRF° mm	Dimensi 1200X850X2300 TeDBf FRP° B mm
Kunci Silinder	Kunci Silinder	Kunci Silinder
O.B rt• Water Tor*k 0.4 rt*	0.4 m* Water Tank 0.2 m*	0.4 m³
SO t.		

NeW DeSign Tet\$a0l0\$f SySteu

Parttime toilet sangat cocok digunakan sebagai pengganti Toilet permanen untuk urinoir dan wadah dipindahkan dan sangat mudah diinstall perawatannya juga bergaransi.

Notable lifted dilengkapi dengan water tank, 6 liter tank, dan instalasi pipa.

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