

Modular Inspection CHAMBER/MANHOLES

With the goal to satisfy the criteria regarding the ecology of waste water, the masonry inspection chamber has been a standard product for many years. Today it is being replaced with polyethylene inspection chamber from UNITED. United polyethylene inspection chambers are modular in construction and can be used in combination of extensions provided by us to attain the desired finish level. The bottom piece can accommodate any size of pipes from any angle and has also a self-gradient design inbuilt on the flow channel. UNITED inspection chambers are provided with inbuilt steps for easy access to any maintenance in the plumbing line, if required. Manhole covers are double walled for extra safety and strength.



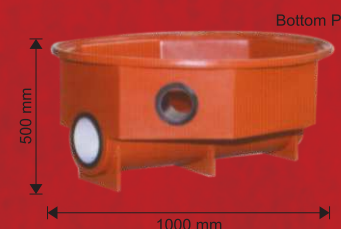
Top Piece



Extension 500



Extension 250



Bottom Piece

2000 mm

1000 mm



COMPARISON CHART

Conventional Septic Tank	UNITED Septic Tank
High construction cost	Low cost
Cannot be shifted	Can be shifted
Not Easy to clean	Easy to clean by oneself
Durability-Doubtful	Durability Guaranteed
Chances of seepage more	Tested for seepage
Trench is necessary	No trench required
Require more space	Can be fitted in small area
Can be built only on ground	Can be kept on any type of floors
Not suitable for all soil conditions	Adaptable anywhere
Corrosive	Non-Corrosive

UNITED Septic Tanks

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Designing your dream home ?

Your last priority is our first.



Polyethylene Septic Tank
Design Reg No : 204722



R.C.C. Septic Tank

- Elevation
- Floor Tiles
- Wall Paint
- Electrical Fittings
- Bath Room
- Interiors
- Landscaping
- **Septic Tank**

UNITED Septic Tanks

Company Profile

United Group with its Head Office in Thrissur, Kerala has been in business for a quarter of a century with varied interests in the manufacturing of building materials like Asbestos cement pipes, R.C.C. hume pipes, R.C.C. Septic Tanks, Polyethylene Septic Tanks, Water Tanks, Plastic Mirror cabinets, Mirror frames and Ceramic Sanitary wares. United has developed a patented domestic Sewage Treatment Plant with the assistance of CSIR (Council of Scientific and Industrial Research, Ministry of Science and Technology, New Delhi.)

United Sanitation Devices is a leading manufacturer of Polyethylene and R.C.C. Septic Tanks for the past 25 years. Thousands of septic tanks have been installed all over S.India. The advanced technology and strict Quality Control procedures during the manufacture of United Septic Tanks guarantees our product and the personal endorsement of our customers support this claim. Arrangements are made for an in-house demo of United Septic Tank in our Head office. Custom built models are also available for domestic and community purposes. Another feather in our cap is the on time supply of 15000 numbers of polyethylene septic tanks to UNICEF projects in South East Asia.



Did you treat the 'Elements' right ?

Panchabhutha, the five elements which constitutes earth, wind, fire, water, and space are very important to our existence. Treating these elements in the right process can bring maximum benefits out of it. Bhoomipooja, a ceremony usually performed before beginning the construction of a house or building is to treat earth, one of the elements in the best deserving fashion.

The earth and the environment surrounding the building are to be kept clean and hygienic at all times. A septic tank designed with advanced technology using strong nondegradable, noncorrosive material without any seepage can only do justice in treating the element 'earth' right.



Bacteria Kills.... for a better cause here !

A septic tank is a processing tank and not a dumping tank. The process taking place inside the tank is by bacteria. Without their hard work, your tank would fill within a few months. We at United make the right environment for these favorable bacteria to work at their best.

Domestic Sewage Treatment Plant

We have developed a new patented Sewage Treatment Plant for independent houses, designed to treat 1000 Ltrs per day, both Black and Grey water.

This system has been developed with the assistance from C. S. I. R. (Council of Scientific and Industrial Research, Ministry of Science and Technology, N. Delhi). The unit consists of four identical modular tanks, made of polyethylene. The first two tanks work with the help of anaerobic bacteria and the rest two tanks work with the help of aerobic bacteria.

All off gases from the tank is collected through vent pipes of each tank and is deodorized in a gas bio filter before venting to the open air. The liquid effluent discharged from this is colourless, odourless and confirms to the Pollution Control Board norms.



Modular Tank



Polyethylene Septic Tank

Design Reg No : 173352

Polyethylene Septic Tanks

As the name suggests United Polyethylene Septic Tanks are made Of Polyethylene in a single moulding. The unique size and 3 chamber design of United Polyethylene Septic Tanks play a very important role in processing waste. There are manholes provided for convenience. The high wall thickness withstands load and pressure of the earth to a great extent. Being light in weight, it is easy to transport and install. These septic tanks are made in salt resistant, nondegradable plastic, hence they are more suitable in saline areas. All that has to be done for fitting the tank is to fill the tank with water, connect the drain line to the inlet and outlet to the soak pit. Cover the manholes with the lids provided and the tank is ready to use.

Technical Specification (Polyethylene Septic Tank)

No	Models	Type-1A	Type-1B	Type-1	Type-2	Type-3	Type-4 (As per Is code of practice)	Type-5
1	Color (UV Stabilised)	Terracotta	Terracotta/Black	Terracotta/Black	Terracotta/Black	Terracotta/Black	Terracotta/Black	Terracotta /Black
2	Capacity(Flushing/Day)	5-7	7-10	10-15	20-25	30-35	50-60	75-100
3	Diameter	600 mm	850 mm	850 mm	1000 mm	1000 mm	1300 mm	1600 mm
4	Length	2000 mm	2000 mm	2500 mm	2300 mm	2800 mm	2600 mm	3200 mm
5	Thickness	10 mm	10 mm	10 mm	10 mm	10 mm	16 mm	16 mm
6	No. of Chambers	3	3	3	3	3	3	3
7	No. of Manholes	2	2	2	1	2	2	2
8	Size of Manholes	300 mm (Dia)	300 mm (Dia)	550 mm (Dia)	550 mm (Dia)	550 mm (Dia)	550 mm (Dia)	550 mm (Dia)
9	Dia of inlet & outlet pipe	110 mm	110 mm	110 mm	110 mm	110 mm	160 mm	160 mm
10	Air vent	50 mm	50 mm	50 mm	50 mm	50 mm	50 mm	50 mm

In view of constant research and development, the specifications are subject to change without prior notice.



R.C.C. Septic Tank

R.C.C. Septic Tanks

United R.C.C. Septic Tanks are made of high quality and rich concrete to assure you a maintenance-free, trouble-free functioning. These tanks are made to last many years and to withstand all kinds of load and vibrations.

United Septic Tanks are not made with conventional moulding methods. The tank is moulded using centrifugal force in a specially designed machine. This causes every concrete particle to pack well without any holes or air gaps and gives the tank a compact and smooth leak proof surface.

The unique features of the septic tank are that it is provided with manholes. There is also a drain valve which will be helpful in any maintenance situation.

Technical Specification (R.C.C Septic Tank)

No	Models	Type-A	Type-A1	Type-B	Type-C	Type-D	Type-E	Type-F
1	Flushing/Day	3-5	5-7	7-10	10-15	15-20	20-25	35-40
2	Re-inforcement	8swg x 12swg	10swg x 6 mm	10swg x 6 mm	8swg x 6 mm	8swg x 6 mm	8swg x 8 mm	8swg x 8 mm
3	Cells	3	3	3	3	3	3	3
4	Thickness	25 mm	35 mm	40 mm	40 mm	50 mm	55 mm	55 mm
5	Manholes	2 Nos	2 Nos	2 Nos	2 Nos	2 Nos	2 Nos	2 Nos
6	Inlet & Outlet	100mm	100 mm	100mm	100mm	100mm	100mm	100mm
7	Length	2 Mtrs	2 Mtrs	2 Mtrs	2 Mtrs	2 Mtrs	2 Mtrs	2.5Mtrs
8	O.D	350mm	445 mm	530mm	680mm	850mm	1010mm	1310mm
9	I.D	300mm	375 mm	450mm	600mm	750mm	900mm	1200mm
10	D.W.T	175 kg	250 kg	450 kg	600 kg	775 kg	975 kg	1650 kg

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MODULAR UNDERGROUND

TANK



Sump Tank
Design Reg No : 208309



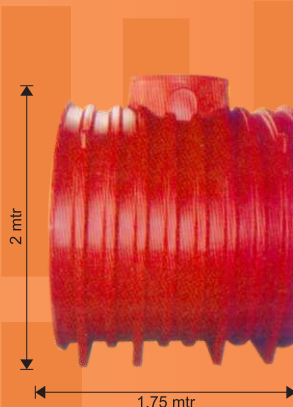
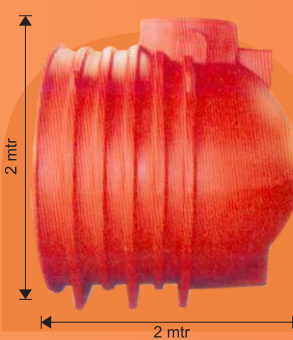
Water Storage Tank
Design Reg No : 203931

Another feather in our cap is the addition of our new member, modular polyethylene underground tank to our family.

The tank is designed by renowned Italian product designer Mr. Giovanni Murattori.

You demand the volume, we have it. These tanks are pre plumbed and modular in design, each module has a capacity of 5000 Ltr. Volume. The tank shape can be modulated to the desired volume and can be shipped to your site within 2 working days.

These tanks are light weight, easy to install, temperature resistant from -35 to +60, cent percent leak proof, smooth interiors, resistant to acids, alkalis and load bearing. Tanks are provided with additional extension risers, if required to attain the finish level. The lids are double walled for extra safety. Tanks can be colored as per the choice of clients to meet the color code requirement.



Sump Tank

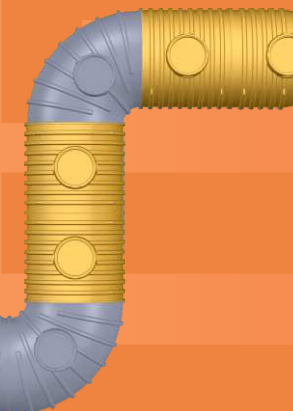
This tank has been designed to reduce buoyancy effect during monsoon, preventing it from floating during dry run of the tank. It is also provided with leakproof threaded lid to avoid infiltration of sub soil water. The tank is designed to withstand external soil pressure.

Vertical Septic Tank

The sump tank is also designed to be used as vertical Septic tank, with additional attachments inside. The tank is coloured in Terracotta colour to match the international colour code for sewage system.

Water Storage Tank

Gone are the days of using black colour water tanks in your dream house. UNITED has launched an aesthetically designed water storagetank that perfectly blends to the design of any house and can be proudly displayed on the roof top.



Vertical Septic Tank
Design Reg No : 208310