



A Chennai based Company into manufacture of Water Filters & Modular Toilets.

WATSAN WATER FILTERS – PRODUCT PROFILE

PROMOTER

Mr. J. Chandrasekaran, promoter of the Company, has a B.Sc. in Chemistry and is a Post-Graduate Topper in India, in Plastics from CIPET. He is a tinkerer by nature who is constantly looking to improve people's lives, founded Watsan Envirotech Pvt. Ltd. to address Water & Sanitation Issues. He has his factory at Chengalpet and his assembly shop near Kasi Theatre, Ashok Nagar.

OBJECTIVE

The Objective of Watsan Envirotech is "Water for All".

MISSION

Our aim is to use technology as a fulcrum for providing the most affordable and effective drinking water and sanitary solutions.

VISION

Watsan vision is to improve the living standards of at least 100 million families within the next three years by providing the most efficient, electricity-free, affordable water filters and ready-to-fit toilets, ensuring a dignified, happy and healthy life.

BUILD

Mother Nature has given us the best and immunized way of filtering and treating water. Clay and sand sintered in patented, tried and tested method by IMMT – CSIR (Council of Scientific & Industrial Research) gives you the **CPO Natural Terafil®™ Water Filter** which is retrofitted in best water containers designed and moulded at CIPET, the Premier Institute for Plastics technology, who guarantee virgin, toxic free, and food grade containers supply.

OPERATION

Raw Water is to be filled up in the Filter Unit (Top Container) and by gravity it percolates through the **CPO Natural Terafil®™ Water Filters** fitted to get filtered through nano-holes, thereby filtering away the pathogens and salts and minerals detrimental to health but retain all good salts in the Bottom Container in few hours time with Clean and Safe Potable Water.

Therefore, the murky water which also has iron particles and pathogens gets filtered and clean water flows down due to gravitational pull and gets collected in the bottom container.

POTABLE WATER MEETING STANDARDS

Turbidity: Within BIS limit

Iron: Within BIS limit

Micro-organisms: Significantly removed (near BIS)

pH Limit: 7.00 +/- 0.5

SPECIAL FEATURES

CPO Natural Terafil®™ Water Filters do not use chemical substances for purification. They are electricity-free and are not built with high cost gadgets, refills, moulded bodies or accessories. Hence, they are maintenance-free and they come in an affordable price.



WATER CONTAINERS

Virgin, Toxic Free Food Grade Plastic Containers moulded at CIPET, the Premier Institute for Plastics technology, who guarantee virgin, toxic free and food grade containers to build Watsan Water Filters.

APPROVAL & COLLABORATION

Approval by D.S.T and Collaboration with an Inno Nano Research private Limited, a company incubated and run by alumni and researchers from I.I.T - Madras.

The Salient Features of Watsan Water Filters are as follows:

1. These Water Filters do not require any Electricity to Operate.
2. They are manufactured with Nano Technology to eliminate disease causing Pathogens, filter away Iron, Dirty Coagulants, Odour and Colour.
3. There is no Spare Parts needing Replacement, so there is no requirement for any Spares or Service.
4. The Filters can be cleaned regularly using a Tooth Brush (once in 3/4 days) and used.
5. As the Filters have a Long Life Usage, there is no Recurring Expense.
6. They are Affordable, Maintenance Free, Portable and Simple to use Water Filters to deliver Safe Drinking Water for Years.
7. Watsan Stand alone filters are available for homes as Standalone Unit comprising a 15 Litre Upper Filtering Container and a 15 Litre Filtered Water Storage Container right below it.
8. High Quality Food Grade Containers Certified by CIPET is used for Watsan Water Filter Containers helps retain the Quality of Water filtered and Stored.
9. The High Quality Containers do not degrade and have a Long Life Usage.
10. Watsan Filters are manufactured for Commercial Establishments as a 100, 300, 1000, 2500 Litre Units.
11. Customized Higher Volume Units can be Designed and Manufactured as per Project Needs.
12. Turnkey Solutions are also available for Iron & Arsenic Filtration.

ACCREDITATIONS & AWARDS

- Millennium alliance Grant by UK Aid, US Aid, World Bank and DST & FICCI, Govt. of India 2016
- C.K Prahlad Award for Rural Innovation 2015
- Power of Ideas Award and Grant - by CIIE, I.I.M Ahmedabad, DST 2016
- National Awards for innovation in health care and innovation in toilet manufacturing in 2014 & 2016.
- Royal Academy of London - Leadership in Innovation 2016
- DBS Bank - NUS Singapore- Finalist in Asia Social Challenge 2014
- Winner Tata Social Entrepreneurship Award 2016
- Winner Cleantech India 2016
- Cohort Cleantech Global Competition by UNIDO 2016
- Sanitation Innovation Global Competition - Cohort 2016
- Founder Institute - Best 50 - Cohort 2016-17
- Finalist in Ennovent Sanitation Accelerator programme 2016
- Finalist in UNIDO -GCIP Cleantech Programme 2016

AFTER SALES SERVICE & SPARES

We always hold substantial Quantity of Stocks to Sell Filter Candles any time. No other service is required.

BUSINESS COVERAGE IN INDIA

Watsan has covered about 17 States in India.

In Tamil Nadu, Watsan has provided Water Filter Units to 2800 Anganwadis in Thiruvallur District and 2000 Units for Rehabilitation during Chennai Floods.

WHERE YOUR BUSINESS IS GOING NOW

We are collaborating with NGOs, Self Help group and are poised to reach 10 lakh households within 2017.