

Environment. Integrated.

**ZERO B™**  
PURE WATER SOLUTIONS

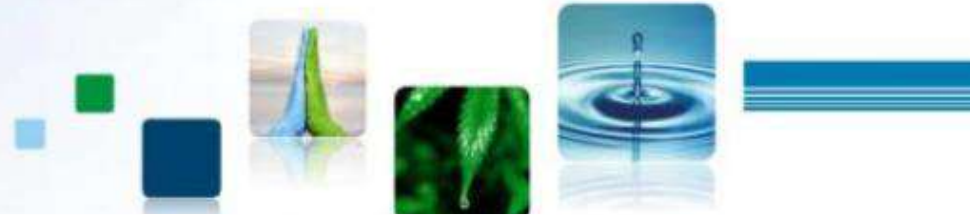
 **ION EXCHANGE**  
*Refreshing the Planet*





# OUR VISION

**To be the leader in our business  
which is so vital  
to people's lives and the environment**



## Milestone.....

**1965**

Resin production & equipment assembly starts

**1969**

First major contract - CPCL

**1974**

All India dealer network

**1976**

Recognised by Department of Science & Technology (DSIR)

**1977**

Listed on Bombay Stock Exchange

**1978**

First company to introduce reverse osmosis concept in India

**1982**

Engineering & fabrication operations set up

**1983**

First Employee Trusts formed





## Milestone.....

- 1985** Ion Exchange becomes a wholly owned Indian company after Permutit divests
- 1987** Manufacture of reverse osmosis membranes starts
- 1991** Started SE Asian operations
- 1996** First sea water reverse osmosis desalination plant in India at GEB, Sikka
- 1997** 100% export-oriented unit (EOU) set up
- 1998** Consumer product manufacturing starts at Goa
- 2005** Joint venture on waste water & environment technologies
- 2007** Manufacturing set up in Hamriyah, UAE
- 2008** Operations set up in USA



## ABOUT US

- Asia's largest environment solutions provider, with a strong international presence
- Total water & environment management solutions for all sectors – industry, homes and communities, urban and rural
- Complete range of technologies, processes and products few companies in the world can provide.
- 360° environment management capability adds value across entire cycle – from influent supply and conservation through production and processes to effluent treatment and recycle for zero discharge



## ABOUT US

### Five decades expertise...

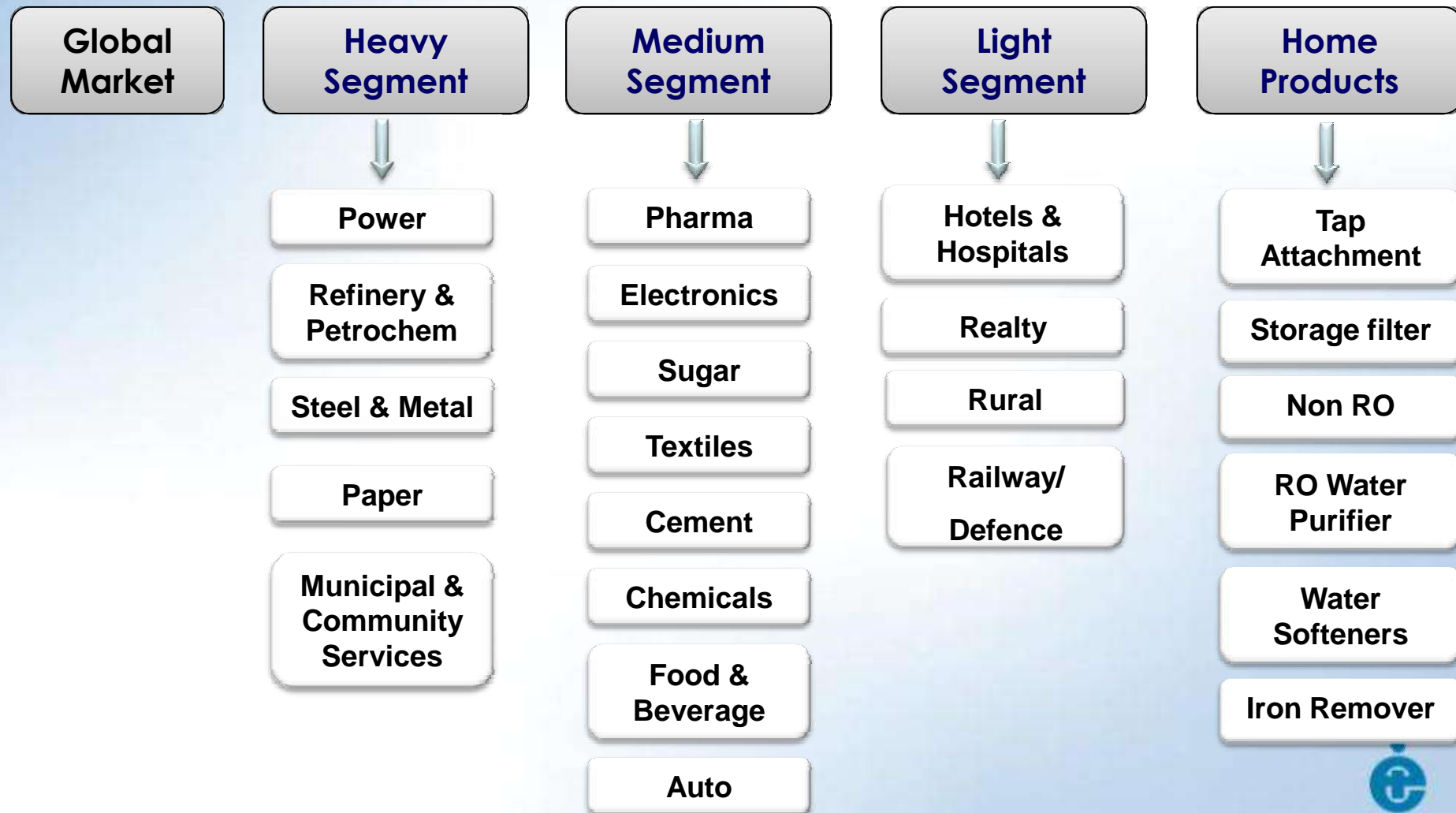
- More than 50,000 installations worldwide
- Over 500 installations in core sector – thermal & nuclear power stations, fertilizer factories, refineries & petrochemical plants.
- Exports to USA, UK, Russia, Africa, South East Asia, Japan, the Middle East and neighbouring countries.

### Extensive Infrastructure

- All India infrastructure – production facilities, sales offices, dealer network
- Largest service network in water treatment industry in Asia
- Global presence through overseas operations and offices
- Five production facilities, two R&D centres



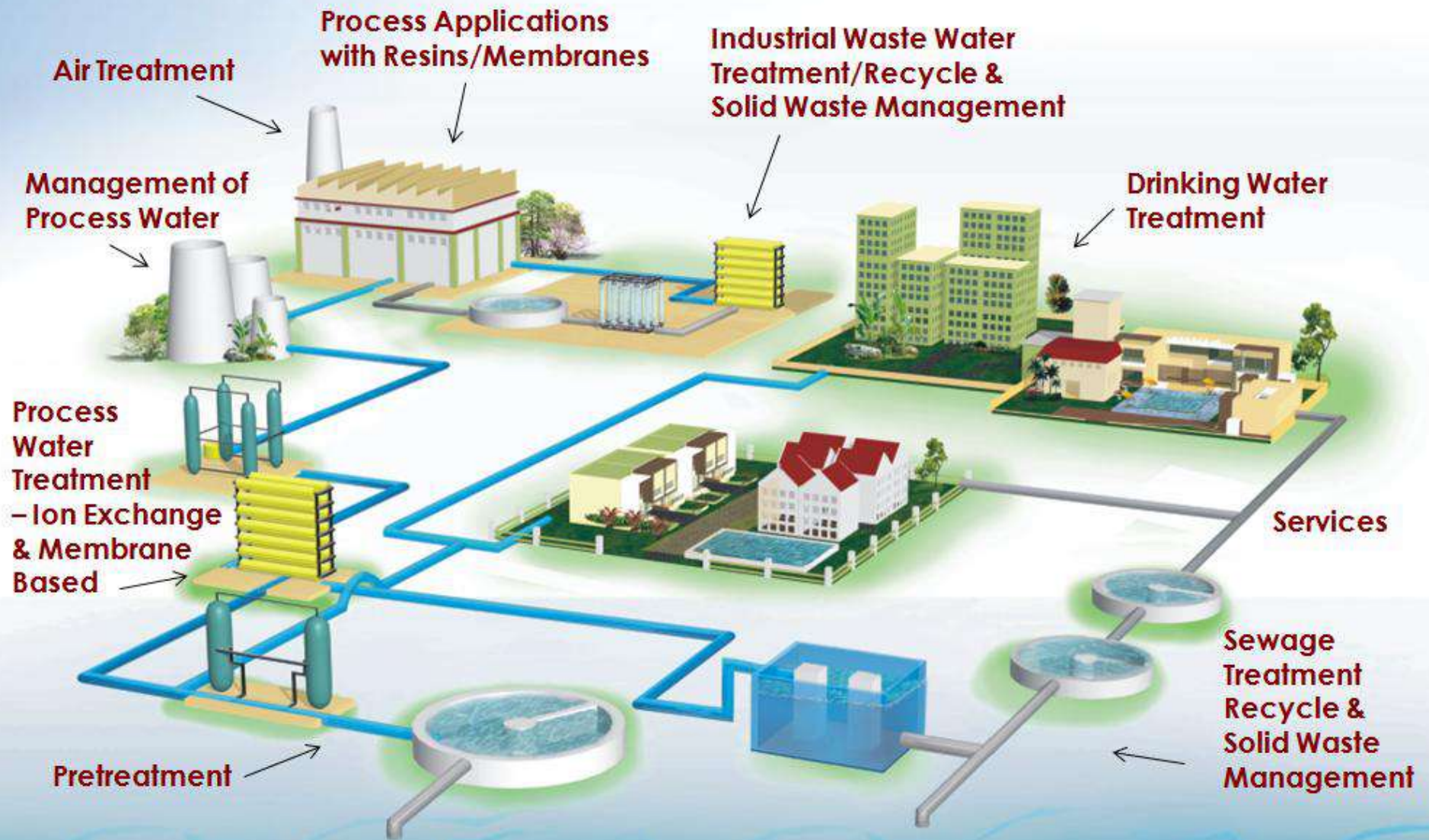
## MARKET SEGMENT





# TOTAL SOLUTIONS

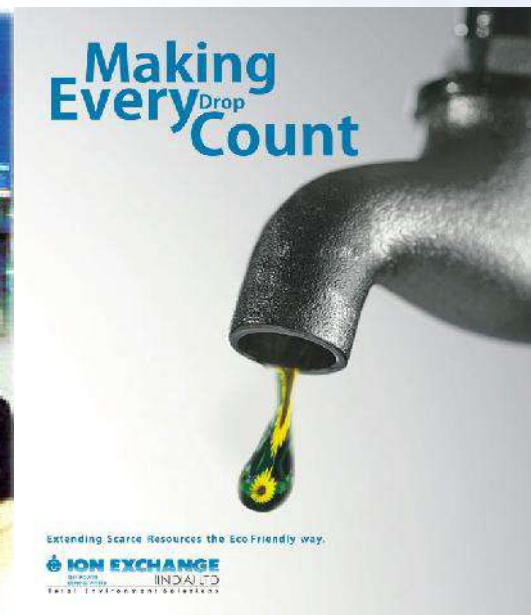
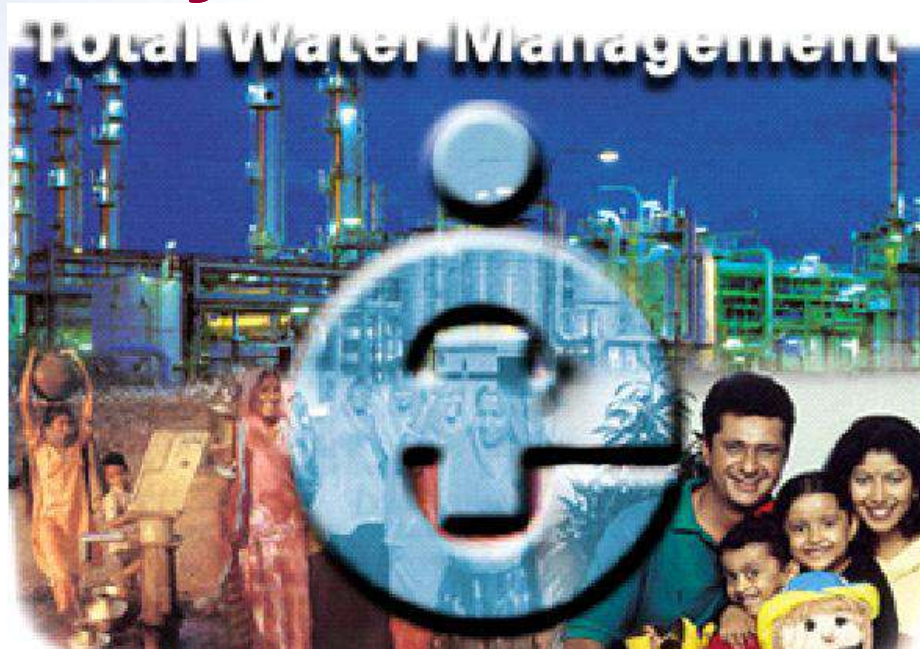
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## The only company in India offering Total Water Solutions

**Industry • Homes • Communities**







# OUR MISSION

*We work for the satisfaction of our customers, the wellbeing of our stakeholders and for the benefit of society of which we are a part.*

*We pursue the path of continuous improvement.*



# OUR VALUES

- ❑ *Customer satisfaction*
- ❑ *Protection of the environment*
- ❑ *Ethical, disciplined work behavior through Teamwork and individual initiative*
- ❑ *Pursuing excellence through continuous R&D and employee Training*
- ❑ *Work ethics inspired by professionalism and integrity*
- ❑ *Safe and congenial work environment*
- ❑ *Contributing to the wellbeing of the community*







## Water Digest Water Awards in association with UNESCO

- Distinguished Industrial Water Treatment Project (2011-12)
- Complete Domestic Water Solutions Provider (2011-12)
- Best R&D & Technological Breakthrough - Zero B eco RO (2012-13)
- Best Water Treatment - 'Water Treatment Chemicals' (2012-13)
- Best Complete Water Management Solutions Provider – Domestic & Institution (2013- 14)





## Water Digest Water Awards in association with UNESCO

- **Best Water Company with UNESCO**  
(2006-07, 2007-08, 2008-09, 2009-10, 2011-12, 2012-13)
- **Best Water Conserver - Waste Water Management** (2006-07, 2007-08, 2008-09)
- **Best RO Purifier** (2006-07, 2007-08)
- **Best Water Treatment - Chemicals** (2008-09)
- **Distinguished Water Purifier – RO** 2009-10)
- **Best Water Treatment Project – Industrial** (2010-11)
- **Best Water Treatment – Water Treatment Chemicals** (2010-11)





## **Frost & Sullivan**

- **Environment Excellence Awards**
  - Best Company in Water & Waste Water Treatment Segment (2009)
  - 'Market Penetration Leadership' in the Water & Wastewater Services Vertical (2010)
- **India Excellence in Chemicals, Materials & Foods Award**
  - 'Voice of Customer' in the Product Excellence in Water Treatment Chemicals Category (2010)

## **PPMAI Achievement Award**

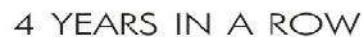
- Best Water Treatment Project – Industrial (2010-11)



## Outstanding Contribution Towards the Cause of Waste Treatment & Environment Endeavour's – Private Sector (2011-12) – Ion Exchange Waterleau Ltd.

- **Best Manufacturing Practices - Resin Division, Ankleshwar (2011-12)**

- **Zero B as the Most Preferred RO Brand (for 4 consecutive years)**







# Usage & Attitude towards Water Purifiers



# Impressions about Water Purifier...

Perceptions about water purifier seems to have seen a sea change...

**Nascent  
impressions**

- Lack of need
- For the high class people
- Credibility questions
- No need of boiling

**Impression  
today!**

- Necessity
- Affordable & variety
- Safe and effective



# Need , Reasons & Benefits.....

## Need

- Issues with current methods of purification
- Increased awareness towards hygiene

## Reasons

- It saves time
- It takes out bacteria & viruses
- It's clean & safe

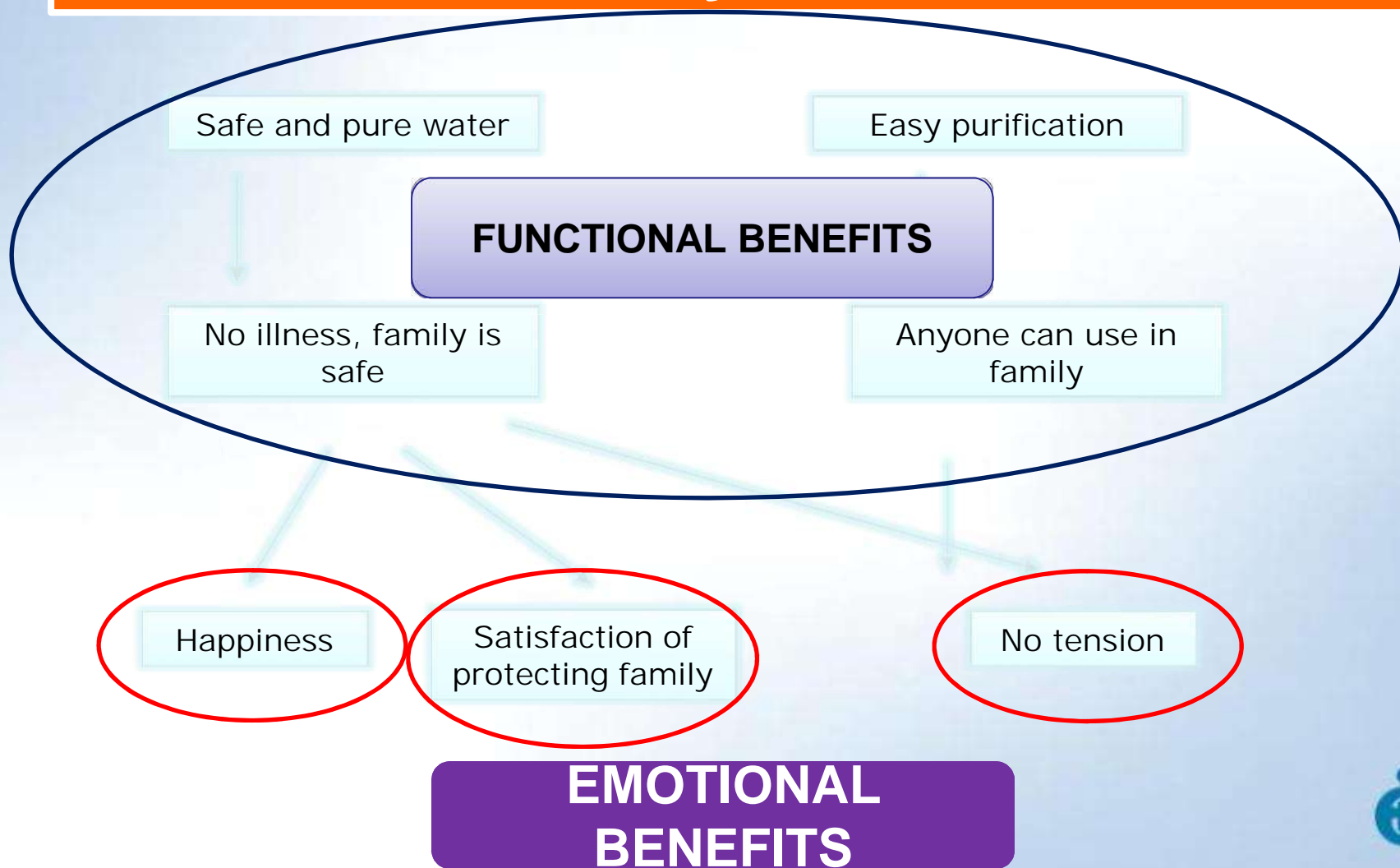
## Benefits

- Saves time
- Gives clean and safe water





## End Pay offs.....

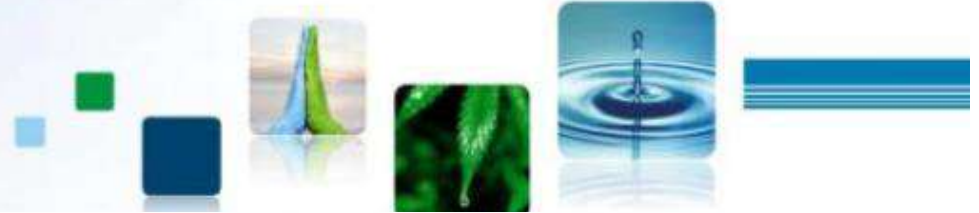




**THERE IS A SIMPLE REASON WHY WE  
UNDERSTAND WATER TREATMENT BETTER**



**WE PIONEERED IT**



## Our Production Facilities.....



**Ankleshwar, Gujarat for  
ion exchange resins**



**Hosur, Tamil Nadu for  
packaged water & waste  
water treatment systems**



**Patancheru, Andhra  
Pradesh for specialty  
chemicals**



**Verna, Goa for  
packaged  
pre-engineered water  
treatment plants &  
membranes**



**Rabale, Maharashtra for  
custom-built plants & EOU**



**Wada, Maharashtra for  
engineered composites  
and structural**



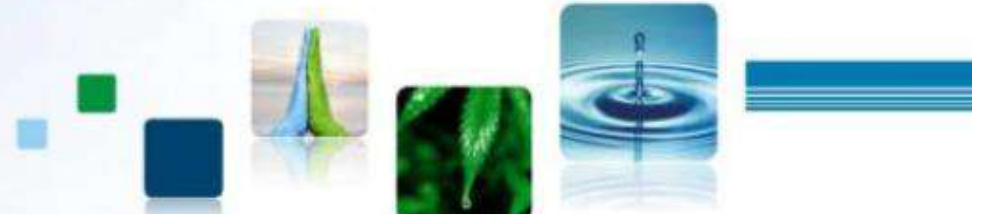




## Our Research and Development

- In-house R&D since 1965
- Recognized by Department of Science & Technology in 1973
- R & D centres
  - For Chemicals at Patancheru, Andhra Pradesh
  - For Engineering at Rabale, Maharashtra
- Over 80 specialists working on R&D
- Over 40 patents
- Over 100 products launched





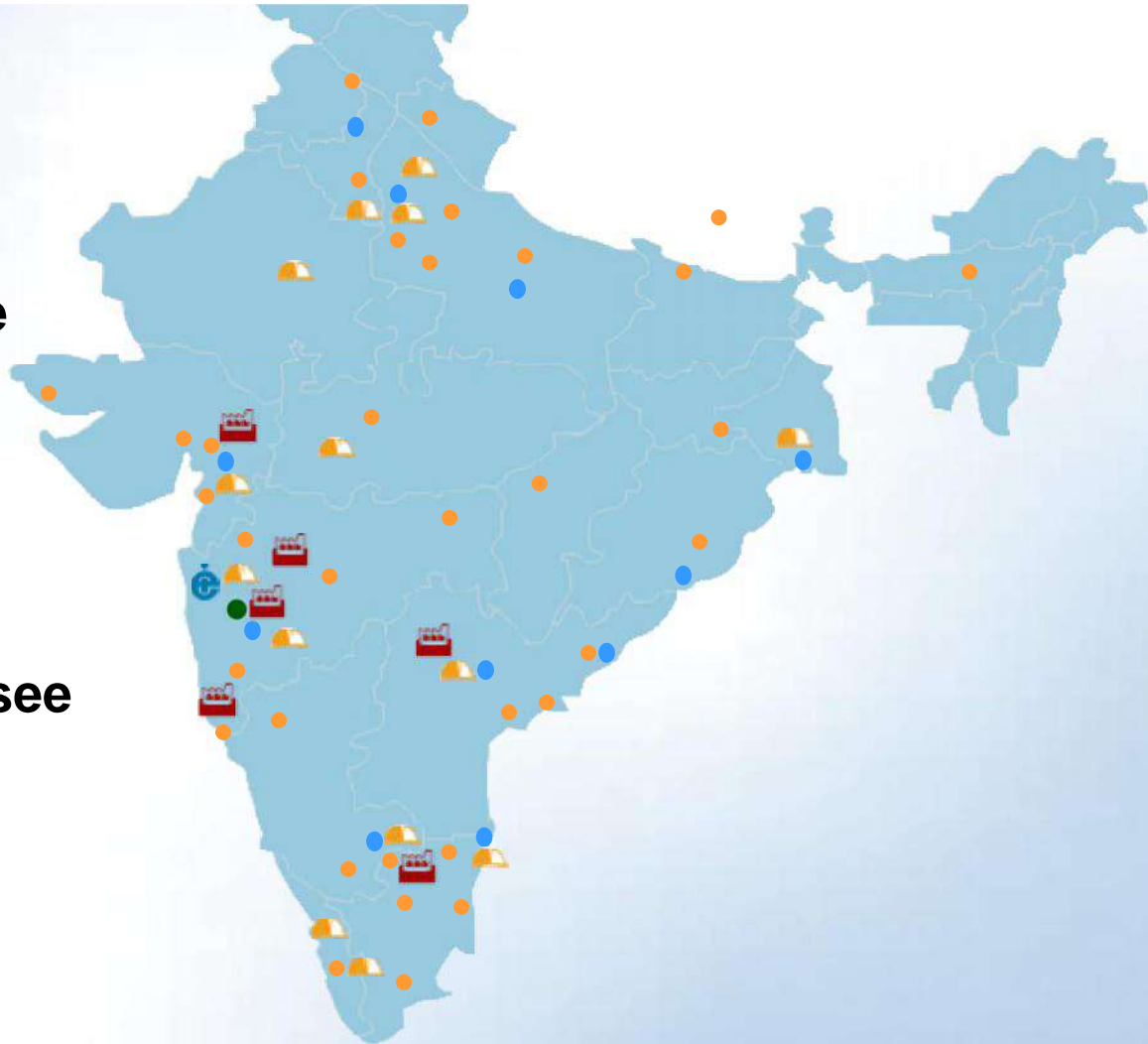
## Global Footprint





## Our Network in India...

- Branch Office
- Corporate Office
- Regional Office
- DSA
- Watermart
- Own Service Network
- Service Franchisee
- Distributor
- Retailer





## Our Esteemed Client.....



**Just a few names that continue to trust and associate with our Pure Water Solutions....**



# Zero B Wide Range of Products

**ZERO B™**  
PURE WATER SOLUTIONS

**Widest range of RO water purifiers and softeners from  
Asia's premier water treatment company**



**Intello**



**eco RO**



**Ultimate**



**Kitchen Mate**



**Emerald**



**Wave**



**Water Softeners**

# Suraksha

Water Purifier



## Features

- ❑ Tap attachment water purifier with globally acclaimed Resin Technology
- ❑ Gives 7500 litres of bacteria-free pure drinking water (disinfected) at a flow rate of 2 litres/min
- ❑ Inbuilt indicator to indicate the expiry of unit life
- ❑ Designed to fit any tap size & with **FREE ADAPTOR INSIDE**
- ❑ Requires no electricity
- ❑ Zero Bacteria, Zero Virus, Zero Boiling, Zero Electricity & Zero Maintenance water purifier



## Technical Specification

Dimension (L x W x H)	88 x 64 x 115 mm
Weight	90 gms
Flow Rate	2 Litre / Minute



**Suraksha  
Plus Pro**  
**Storage Water Purifier**



**Features**

- ❑ Remove Physical Impurities, reduces turbidity by 7
- ❑ Iodinated Resin Technology, permanently kills bacteria & viruses
- ❑ Bacteriostatic Activated Carbon, removes excess iodine, chlorine, organics, color and foul taste from water
- ❑ Gives 3000 litres of bacteria and virus free pure drinking water
- ❑ Globally acclaimed Ion Exchange Resin Technology that kills bacteria & viruses faster than any other purification process
- ❑ Energy stimulating water for healthy & energetic life
- ❑ Transparent tank made up of food grade material helps to see water level

Technical Specification	
Dimension (W x H)	610 x 320 mm
Weight	2.4 kgs
Storage Capacity	15 Liters
Stages of Purification	3 + Magnitude
Turbidity Removal	By 70 %
Washable HI-Q filter Dome	Polypropylene, Special HI-Q Filter media
One filtration cycle	30 Min (depending on turbidity)
Breakthrough Capacity	3000 Litres

## Suraksha Plus Pro Cartridge



### Features

- ❑ Gives 3000 ltr. of pure bacteria free safe drinking water
- ❑ Triple Suraksha filtration
- ❑ 3 stage of purification process
- ❑ No electricity required, No Boiling required
- ❑ Use Bacteriostatic Activated Carbon to remove excess Iodine, Chlorine, Organics, Color, Odour & Foul Taste
- ❑ Turbidity removal upto 70%
- ❑ Globally acclaimed resin technology

### Technical Specification

Washable HI-Q filter Dome	Polypropylene, Special HI-Q Filter media
One filtration cycle	30 Min. (depending on turbidity)
Turbidity Removal	By 70 %
Product Water meets IS 10500 for disease causing Water borne Bacteria & Virus removal	



## Features

- ❑ Direct attachment to tap or water cooler
- ❑ Eliminates disease causing bacteria and viruses
- ❑ Removes unwanted odor, taste & color to give natural tasting water
- ❑ Globally acclaimed resin technology
- ❑ Requires no electricity
- ❑ Virtually maintenance free
- ❑ Better results in comparison to boiling water
- ❑ Saves gas, time & effort
- ❑ AUTOGUARD does not allow impure water to pass through the system

Technical Specification	
Dimension (L x W x H)	Max. Dia – 125 mm
Cartridge life	12,000 litres
Maximum working pressure	6.0 kg/cm sq.
Minimum working pressure	0.5 kg/cm sq.
Operating Flow	2 litres / min.

The flow may reduce if the filter gets clogged or if the pressure in the line is low

## PuriLine 4L

WATER PURIFIER



### Features

- ❑ For safe & natural tasting water based on Zero B Resin Technology
- ❑ Eliminates disease causing bacteria and viruses
- ❑ Removes unwanted odor, taste & color to give natural tasting water
- ❑ Globally acclaimed resin technology
- ❑ Requires no electricity
- ❑ Separate water meter to indicate capacity utilization.
- ❑ Higher dispensing capacity of 4 liters per min
- ❑ Not only paralyses, but effectively eliminate bacteria and Viruses

### Technical Specification

Dimension (L x B x H)	445 x 145 x 445 (in mm)
Cartridge life	40,000 litres
Maximum working pressure	6.0 kg/cm sq.
Minimum working pressure	0.5 kg/cm sq.
Operating Flow	4 litres / min.
Weight	3.8 kgs (approx.)



# SOLAR

Non Electric Water Purifier



## Features

- ❑ 6 stage online non-electric water purifier with solar intelligence that gives clear, crisp water
- ❑ Removes heavy metals like aluminum, lead, etc
- ❑ Storage cum online multiport facility to be attached with refrigerator, coffee maker, water cooler, etc
- ❑ Purifier Health Indicator show cartridge life and water quality
- ❑ Detachable transparent tank with 4 ltr. capacity
- ❑ Gives energy stimulating water for healthy & energetic life
- ❑ Conforms to IS 10500 drinking water standards
- ❑ Wall mount model saves kitchen space

## Technical Specification

Technical Specification	
Dimension (L x W x H)	270 x 230 x 370 mm
Weight	4.4 Kgs
Flow Rate	2 Liter / Minute
Storage Capacity	4 Liters
Stages of Purification	6 Stages
Solar System Life	1. Life of lithium cell - Minimum 1 years
	2. Under favorable Indoor light condition, life of lithium cell - Minimum 3 years

# UVGRANDE UV Water Purifier



## Features

- ❑ The 6 stage UV water purification system paralyzes diseases causing bacteria & viruses by disrupting genetic cell
- ❑ ESS Technology sanitizes the tank water & prevents germ build up 24 x 7 by ruling out the decontamination and slime build up of bacterial growth.
- ❑ Hexapure technology purification process ensures pure and safe water
- ❑ Detachable storage tank ensures to keep 4 litres water ready for use always & gives your extra advantage for easy cleaning of tank
- ❑ Wall mount model, save your platform spaces
- ❑ Intelligent Auto Fill ensures that the UV Purifier never runs out of pure & safe drinking water
- ❑ Energy stimulating water for healthy & energetic life

## Technical Specification

Dimension (L x W x H)	270 x 230 x 370 mm
Weight	4.4 Kgs
Flow Rate	2 Liters / Minute
Storage Capacity	4 Liters
Stages of Purification	6 Stages

World's 1st



UV Water Purifier  
equipped with  
ESS Technology



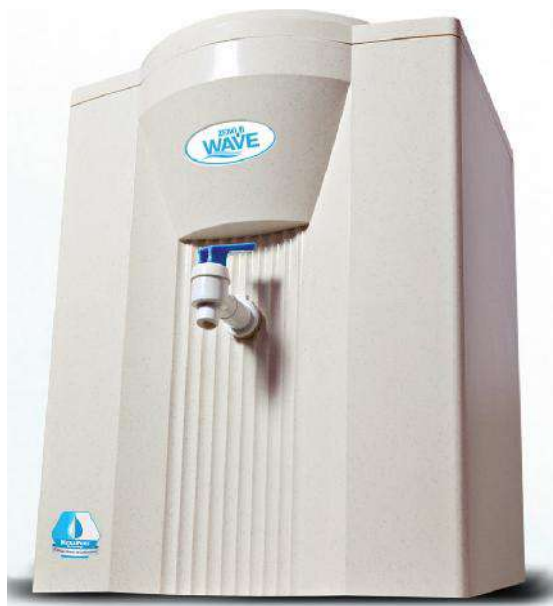
Purification process  
ensures pure  
and safe water



Energy stimulating  
water for healthy &  
energetic life

# WAVE

## RO Water Purifier



### Features

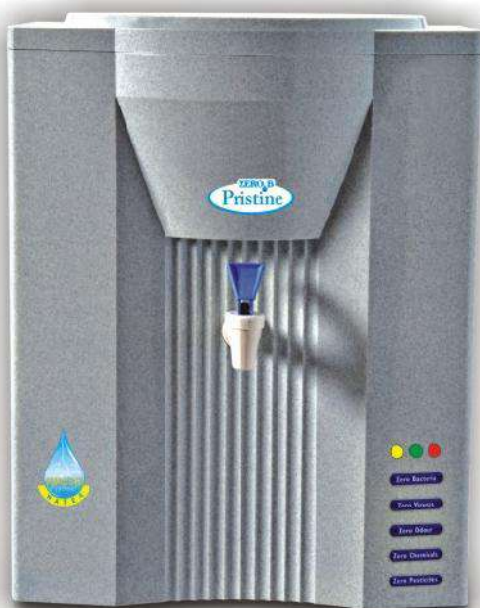
- ❑ 6-stage Reverse Osmosis (RO) Purifier
- ❑ Converts salty water to pure, crystal clear, natural tasting drinking water
- ❑ Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.
- ❑ Fully automatic operations
- ❑ Works on low pressure thereby lower fouling of membrane
- ❑ Product water meets USEPA drinking water standards & IS 10500

Technical Specifications	
Dimension (basic Unit)	330 x 320 x 390 (in mm)
Weight	12 kg
Output flow rate	8* litres / hour
Tank Capacity	7 litres
Minimum Inlet Water (TDS)	1300 ppm (Subject to hardness of inlet water been less than 500 ppm)
Rejection of Salts (TDS)	Upto 95%
Recovery of Water	Upto 25 – 30%
RO Membrane	50 GPD x 1
Maximum Duty Cycle	40 litres / day

\* Under the test conditions of water inputs @ 750 TDS

# Pristine

## RO Water Purifier



### Features

- ❑ 6-stage Reverse Osmosis (RO) Purifier
- ❑ Converts salty water to pure, crystal clear, natural tasting drinking water
- ❑ Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.
- ❑ Fully automatic operations
- ❑ Works on low pressure thereby lower fouling of membrane
- ❑ Auto Flush Timer periodically flushes to remove salt deposited on the membrane & thereof enhance the membrane life
- ❑ Double safety purifier provides additional safety by offering 100% germicidal protection
- ❑ Gives energy stimulating water for healthy & energetic life
- ❑ Product water meets USEPA drinking water standards & IS 10500

Technical Specification	
Dimension (L x W x H)	330 x 320 x 390 (in mm)
Weight	12 Kg
Flow Rate	14* liter / hours
Inlet Pressure ( Min / Max)	0.5 kg / sq.cm / 2.0 kg / sq.cm
Max. Feed water TDS	1300 ppm ( Subject to hardness of feed water being less then 500 ppm)
Rejection of TDS (Min.)	Up to 95%
Recovery of Pure Water (Min.)	Up to 25 – 30%
Sediment Filter	10 Micron
RO Membrane	100 GPD x 1
Input Voltage	230 VAC $\pm$ 10% 50 Hz
Power Consumption	30 W Maximum
Maximum Duty Cycle	70 litres / day

\* Under the test conditions of water inputs @ 750 TDS



# Sapphire

## RO Water Purifier



### Features

- ❑ 7-stage Reverse Osmosis (RO) Purifier works on Heptapure Technology
- ❑ Consume less space, wall mount, compact, elegant look, gives aesthetic look to your kitchen
- ❑ Beautiful & glowing transparent detachable 6 liters tank, hence easy to use & clean
- ❑ Converts salty water to pure, crystal clear, natural tasting drinking water
- ❑ Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.
- ❑ Tank full indicator
- ❑ Works on low pressure thereby lower fouling of membrane
- ❑ Double safety purifier provides additional safety by offering 100% germicidal protection
- ❑ Gives energy stimulating water for healthy & energetic life
- ❑ Product water meets USEPA drinking water standards & IS 10500

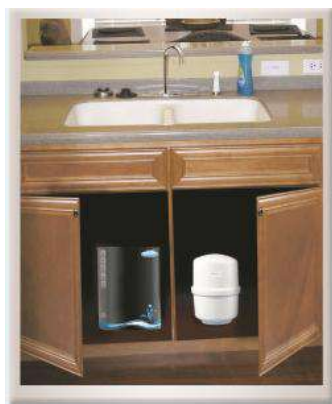
Technical Specification	
Dimension (L x W x H)	275 x 230 x 370 (in mm)
Weight	12 Kg
Flow Rate	8* litres / hour
Inlet Pressure ( Min / Max)	0.5 -2.0-kg / cm2
Max. Feed water TDS	1300 ppm ( Subject to hardness of feed water being less then 500 ppm)
Rejection of TDS (Min.)	90 to 95%
Recovery (Min.)	25 – 30%
Sediment Filter	10 Micron
RO Membrane	60 GPD x 1
Input Voltage	230 $\pm$ 10% VAC
Power Consumption	30 W Maximum
Maximum Duty Cycle	40 litres / day

\* Under the test conditions of water inputs @ 750 TDS

# Kitchen Mate RO Water Purifier



This product is comprised of Unit, Tank & Faucet



Customized placement of the filter below the counter with the tank to suit the space

## Features

- ❑ 6-stage Reverse Osmosis (RO) Purifier under the counter model that saves kitchen space.
- ❑ Pressure booster pump provides constant water pressure to the system
- ❑ Auto Flush Timer periodically flushes to remove salt deposited on the membrane & thereof enhance the membrane life
- ❑ Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water
- ❑ Auto shut off valve (Non wired) ensures pump cut off whenever the tank fills up.
- ❑ Double safety purifier provides additional safety by offering 100% germicidal protection
- ❑ Product water meets USEPA drinking water standards & IS 10500

Technical Specification	
Dimension (L x W x H)	305 x 220 x 372 (in mm)
Weight	13 Kg
Flow Rate	8* litres / hours
Inlet Pressure ( Min / Max)	0.5 -2.0-kg / cm <sup>2</sup>
Max. Feed water TDS	1300 ppm ( Subject to hardness of feed water being less then 500 ppm)
Rejection of TDS (Min.)	90 to 95%
Recovery of Pure Water (Min.)	25 – 30%
Sediment Filter	10 Micron
RO Membrane	50 GPD x 1
Input Voltage	230 ± 10% VAC
Power Consumption	24 W Maximum
Stages of Purification	6
Hydropneumatic Tank Pressure in kg/cm <sup>2</sup>	1.8 to 2.8 (factory set)
Tank Dimension (Height x Dia)	368 x 267
Maximum Duty Cycle	40 litres / day

# Emerald RO Water Purifier



## Features

- ❑ 7-stage Reverse Osmosis (RO) Purifier works on Heptapure Technology
- ❑ Consume less space, wall mount, compact, elegant look, gives aesthetic look to your kitchen
- ❑ Beautiful & glowing transparent detachable 6 liters tank, hence easy to use & clean
- ❑ Auto Flush Timer periodically flushes to remove salt deposited on the membrane & thereof enhance the membrane life
- ❑ Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.
- ❑ Tank full indicator & advanced membranes helps to fill the tank faster
- ❑ Works on low pressure thereby lower fouling of membrane
- ❑ Double safety purifier provides additional safety by offering 100% germicidal protection
- ❑ Gives energy stimulating water for healthy & energetic life
- ❑ Product water meets USEPA drinking water standards & IS 10500

## Technical Specification

Dimension (L x W x H)	275 x 230 x 370 (in mm)
Weight	12 Kg
Flow Rate	14.4* litres / hour
Inlet Pressure ( Min / Max)	0.5 -2.0-kg / cm <sup>2</sup>
Max. Feed water TDS	1300 ppm ( Subject to hardness of feed water being less then 500 ppm)
Rejection of TDS (Min.)	90 to 95%
Recovery of Pure Water (Min.)	25 – 30%
Sediment Filter	10 Micron
RO Membrane	75 GPD x 1
Input Voltage	230 + 10% VAC
Power Consumption	24 W Maximum
Maximum Duty Cycle	72 litres / day

# Ultimate RO Water Purifier



## Features

- ❑ 6-stage Reverse Osmosis (RO) Purifier
- ❑ Converts salty water to pure, crystal clear, natural tasting drinking water
- ❑ Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.
- ❑ Fully automatic operations
- ❑ Works on low pressure thereby lower fouling of membrane
- ❑ Auto Flush Timer periodically flushes to remove salt deposited on the membrane & thereof enhance the membrane life
- ❑ Double safety purifier provides additional safety by offering 100% germicidal protection
- ❑ Gives energy stimulating water for healthy & energetic life
- ❑ Product water meets USEPA drinking water standards & IS 10500

## Technical Specification

Dimension (L x W x H)	330 x 320 x 450 (in mm)
Weight	12 Kg
Flow Rate	14.4* litres / hour
Inlet Pressure ( Min / Max)	0.5 -2.0-kg / cm <sup>2</sup>
Max. Feed water TDS	1300 ppm ( Subject to hardness of feed water being less then 500 ppm)
Rejection of TDS (Min.)	90 to 95%
Recovery of Pure Water (Min.)	25 – 30%
Sediment Filter	10 Micron
RO Membrane	100 GPD x 1
Input Voltage	230 ± 10% VAC
Power Consumption	24 W Maximum
Maximum Duty Cycle	72 litres / day



# eco RO

## RO Water Purifier



### Features

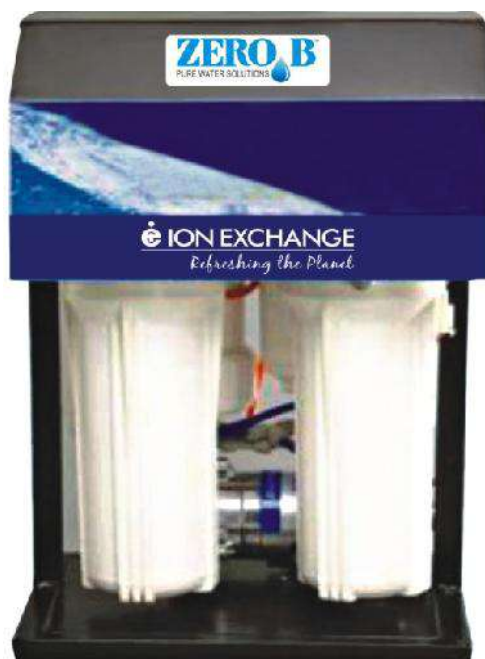
- ❑ The world only eco RO that gives your 70% Pure Water Recovery, equipped with HRR Technology
- ❑ e-Health sanitizes the water storage tank 24 x 7 to prevent germ build up
- ❑ ESS technology prevent germ build up by automatically cleaning the purifier
- ❑ Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.
- ❑ Fully automatic operations
- ❑ Automatic power flush enhances membrane life
- ❑ 8 Purification process ensures more pure water for your health
- ❑ Reduces water wastage by 80%
- ❑ Awarded "Best Water R&D and Technological Breakthrough eco RO 2012-2013 by UNESCO & WQA
- ❑ Product water meets USEPA drinking water standards & IS 10500

### Technical Specification

Dimension (L x W x H)	275 x 230 x 370 (in mm)
Weight	12 Kg
Flow Rate	17* litres / hour
Inlet Pressure ( Min / Max)	0.5 -2.0-kg / cm <sup>2</sup>
Max. Feed water TDS	1300 ppm ( Subject to hardness of feed water being less then 500 ppm)
Rejection of TDS (Min.)	90 to 95%
Pure Water Recovery	Upto 70%
Water Saving	80% of input water
Sediment Filter	10 Micron
RO Membrane	Ultra Low fouling 80 GPD
Input Voltage	230 $\pm$ 10% VAC
Power Consumption	30 W Maximum
Maximum Duty Cycle	85 litres / day

# 1 / 2

## RO Water Purifier



This product is comprised of Unit, Tank & Faucet

### Features

- ❑ Pure, safe drinking water for your big family, hotels, restaurants, resorts, offices, factories, educational institutes, etc
- ❑ It is the most economical method to get natural tasting water
- ❑ Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals, TDS from water
- ❑ Fully automatic operations
- ❑ Auto Flush Timer periodically flushes to remove salt deposited on the membrane & thereof enhance the membrane life
- ❑ Dry run protection pump avoids unnecessary wastage of power by automatically shutting off when there is no water.

Technical Specification	15 LPH	25 LPH
Dimension (L x W x H)	300 x 300 x 540 mm	300 x 300 x 540 mm
Weight	16 kgs	16 kgs
Flow Rate	30* liters / hour	37* liters / hour
Inlet Pressure (Min/Max)	0.5 -2.0-kg / cm <sup>2</sup>	0.5 -2.0-kg / cm <sup>2</sup>
Max. Feed Water TDS	1500 ppm	1500 ppm
Rejection of TDS (Min.)	90 to 95%	90 to 95%
Water Recovery (Min.)	Upto 40%	Upto 40%
Sediment Filter	10 micron	10 micron
RO Membrane	75 GPD x 2	75 GPD x 3
Input Voltage	230 ± 10% VAC	230 ± 10% VAC
Power Consumption	80 W Max.	80 W Max.
Stages of Purification	4	4
Hydropneumatic Tank Pressure in kg/cm <sup>2</sup>	1.8 to 2.8 (factory set)	1.8 to 2.8 (factory set)
Tank Dimension (Hgt x Dia)	368 x 267	368 x 267
Maximum Duty Cycle	150 litres / day	185 litres / day

\* Under the test conditions of water inputs @ 750 TDS

# Intello

## RO Water Purifier



This product is comprised of Unit, Tank & Faucet

### Features

- ❑ Pure, safe drinking water for your big family, hotels, restaurants, resorts, offices, factories, educational institutes, etc
- ❑ Equipped with International breakthrough ESS (Electronic System Sanitizer) technology that keeps the tank water free from slime & bacteria for several days
- ❑ Unique IMS (Intello Monitoring System) technology that indicates the quality of output water, cartridge life, filter replacement alerts, flow rates, etc
- ❑ It is the most economical method to get natural tasting water
- ❑ Auto Flush Timer periodically flushes to remove salt deposited on the membrane & thereof enhance the membrane life
- ❑ Dry run protection pump avoids unnecessary wastage of power by automatically shutting off when there is no water.
- ❑ Product water meets USEPA drinking water standards & IS 10500

Technical Specification	15 LPH	25 LPH
Dimension (L x W x H)	445 x 275 x 410 mm	445 x 275 x 410 mm
Weight	16.5 kgs	16.5 kgs
Flow Rate	30* liters / hour	37* liters / hour
Inlet Pressure (Min/Max)	0.5 -2.0-kg / cm <sup>2</sup>	0.5 -2.0-kg / cm <sup>2</sup>
Max. Feed Water TDS	1500 ppm	1500 ppm
Rejection of TDS (Min.)	90 to 95%	90 to 95%
Water Recovery (Min.)	25 – 30%%	35 - 40%
Sediment Filter	10 micron	10 micron
RO Membrane	75 GPD x 2	75 GPD x 3
Input Voltage	230 $\pm$ 10% VAC	230 $\pm$ 10% VAC
Power Consumption	80 W Max.	80 W Max.
Hydropneumatic Tank Pressure in kg/cm2	1.8 to 2.8 (factory set)	1.8 to 2.8 (factory set)
Tank Dimension (Hgt x Dia)	368 x 267	368 x 267
Maximum Duty Cycle	150 litres / day	185 litres / day

\* Under the test conditions of water inputs @ 750 TDS

## RO Water Purifier

1 / 2



### Features

- ❑ Pure, safe drinking water for your big family, hotels, restaurants, resorts, offices, factories, educational institutes, etc
- ❑ It is the most economical method to get natural tasting water
- ❑ Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals, TDS from water
- ❑ Fully automatic operations
- ❑ Auto Flush Timer periodically flushes to remove salt deposited on the membrane & thereof enhance the membrane life
- ❑ Dry run protection pump avoids unnecessary wastage of power by automatically shutting off when there is no water.

Technical Specification	60 LPH	100 LPH	150 LPH
Dimension (L x W x H)	450 x 470 x 895 mm	450 x 470 x 895 mm	450 x 470 x 895 mm
Weight	22 kgs	22 kgs	22 kgs
Flow Rate	158* liters / hour	162* liters / hour	228* liters / hour
Inlet Pressure (Min/Max)	1.0 - 2.0-kg / cm2	1.0 - 2.0-kg / cm2	1.0 - 2.0-kg / cm2
Max. Feed Water TDS	1500 ppm	1500 ppm	1500 ppm
Rejection of TDS (Min.)	90 to 95%	90 to 95%	90 to 95%
Water Recovery (Min.)	Upto 40%	Upto 40%	Upto 40%
Sediment Filter	10 micron	10 micron	10 micron
RO Membrane	800 GPD x 1	450 GPD x 2	800 GPD x 2
Input Voltage	230 $\pm$ 10% VAC	230 $\pm$ 10% VAC	230 $\pm$ 10% VAC
Power Consumption	80 W Max.	80 W Max.	80 W Max.
Stages of Purification	4	4	4
Maximum Duty Cycle	790 litres / day	810 litres / day	1140 litres / day

\* Under the test conditions of water inputs @ 750 TDS



## ECO SMART RO Water Purifier



\* Under the test conditions of water inputs @ 750 TDS

### Features

- ❑ Upto 60% Pure Water Recovery
- ❑ 3X higher pure water recovery than other conventional RO Purifiers
- ❑ Reduces water wastage substantially
- ❑ Prevent germ build up by automatically cleaning the purifier
- ❑ Automatic power flush enhances membrane life

Technical Specification	50 LPH	100 LPH	150 LPH
Dimension (L x W x H)	435 x 510 x 815 mm	435 x 510 x 815 mm	435 x 510 x 815 mm
Weight	32 kgs	32 kgs	32 kgs
Flow Rate	81* liters / hour	189* liters / hour	257* liters / hour
Inlet Pressure (Min/Max)	1.0 - 2.0-kg / cm2	1.0 - 2.0-kg / cm2	1.0 - 2.0-kg / cm2
Max. Feed Water TDS	1500 ppm	1500 ppm	1500 ppm
Rejection of TDS (Min.)	90 to 95%	90 to 95%	90 to 95%
Water Recovery (Min.)	Upto 60%	Upto 60%	Upto 60%
Sediment Filter	10 micron	10 micron	10 micron
RO Membrane	300 GPD x 1 ; 100 GPD x 1	300 GPD x 2 ; 100 GPD x 1	300 GPD x 3 ; 100 GPD x 1
Input Voltage	230 ± 20% VAC	230 ± 20% VAC	230 ± 20% VAC
Power Consumption	80 W Max.	80 W Max.	80 W Max.
Stages of Purification	5	5	5
Maximum Duty Cycle	405 litres / day	945 litres / day	1285 litres / day

# INDRO

## RO Water Purifier



### Features

- ❑ Safe drinking water for housing societies, hotels, restaurant, hospitals
- ❑ Compact MS Unit with robust mild steel powder coated frame
- ❑ Range of models with capacities from 200 – 300 ltrs/hr
- ❑ Easy to startup and uses very little space on installation
- ❑ Efficiently removes upto 95% of total dissolved solids (TDS) or salinity to produce water that is pure, safe & clear.
- ❑ On line instrument to monitor treated water quality
- ❑ The most economical & efficient method of dissolved solids removal

### Technical Specification

Model	401	402	403	404	405	802	803
Average Permeate Flow (l/h)	200	400	600	800	1000	2000	3000
Average Recovery (%)	30	30	30	30	30	30	30
Maximum Permissible TDS in feed (ppm)	1500	2500	2500	2500	2500	2500	2500
Average TDS Removal (%)	95	90	90	90	90	90	90
Minimum Feed Pressure (Kg/cm <sup>2</sup> )	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Power Supply	220/230V	415V	415V	415V	415V	415V	415V
	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Drive Motor (hp / rpm)	0.75/1450	3.0/2900	3.0/2900	3.0/2900	3.0/2900	5.5/10 x 2900	
Dimensions							
Width (mm)	545	850	850	850	850	1500	1500
Depth (mm)	480	800	800	800	800	1100	1100
Hight (mm)	1548	1650	1650	1650	1650	2100	2100

# Softeners

## Water conditioners



### Features

- ❑ Soft water is gentle to skin & hair
- ❑ Increase the life of fabric
- ❑ Lesser plumbing problem, reduces the maintenance cost of expensive fittings (taps, pipes & faucets, etc.)
- ❑ Deliver greater washing power and reduces soap consumption
- ❑ Prevents scale deposits on utensils. Increase life span & efficiency of appliances (Geysers, steam irons, washing machines, etc.)
- ❑ Reduces cooking time & consumption of gas. Reduces fuel cost
- ❑ POU Softener can be attached to geyser, washing machine, shower, etc

Technical Specifications	
Flow Rate	8-10 ltr / Min
Max. allowable hardness in the raw water as CaCO <sub>3</sub>	500 ppm
Max. allowable hardness (outlet) in treated water as CaCO <sub>3</sub>	< 50 ppm
Soft water output	300 ltr (at hardness of 500 ppm) 600 ltr (at hardness of 250 ppm)
Recharging Time	30 Minutes
Mode of Recharging	Manual
Recharging Material	Zero B Palletized Recharging Salt
Min./ Max. Operating pressure	0.5 - 2 kg/ cm <sup>2</sup>
Inlet port size	½ BSP
Dimension	550 (height) x 150 mm (diameter)
Weight	6.85 Kg

## Auto Softener Water conditioners



### Features

The wholesome Softener that Thinks and works for you

#### Thinks

- ❑ Monitors water usage and adjust to your changing needs
- ❑ Inform your early on low salt in brine tank
- ❑ Communicates and prioritizes wash cycle with adjacent filter

#### Works

- ❑ Works through its powerful program cycles to consistently deliver soft water
- ❑ a Recharges the softener automatically or at your will
- ❑ Display remaining soft water, flow rate, and progress cycle

#### Process Cycle

- ❑ Backwash flushes remaining salt from the system to drain
- ❑ Fast rinse ensures that the Softener is all set for softening once again
- ❑ Automatically adjust the recharging time to suit your charging water

### Technical Specification

Model	3 A
Flow Rate (m3/h)	3
Salt regeneration (in kg)	8
Output Capacity per recharge (@200 ppm hardness as CaCo <sup>3</sup> )	14m <sup>3</sup>
Process Valve	Fully Automatic Programmable
Overall Space Occupy	4 x 5 sq.ft
Softener Housing	Composite filament Wound Resin vessel & HDPE Brine tank
Dimension of Softener	13" dia x 54 " height
Dimension of Brine Tank (in inch)	18" dia x 26 " height
Resin Type / quantity	225 NaF / 45 litres

- NaF is Upgraded NSF Certified Food Grade Resin



# D-FERROUS IRON Remover

## Features

- ❑ D-FERROUS IS India's first Iron Remover exclusive designed for Indian households
- ❑ It is fitted with a unique user-friendly backwash valve that regulates all function
- ❑ D-FERROUS acts as an effective shield against Iron Contamination in water by elimination the iron precipitates
- ❑ Leaves skin soft, glowing and healthy
- ❑ Retains colour / texture of fabric
- ❑ Saves on cooking gas consumption
- ❑ Removes foul metallic taste from water
- ❑ So give your family Iron Free Water at a fraction of the cost



## Technical Specification

Iron Remover Model	Flow (LPH)	Iron Level (PPM Max)	RO Product Suitable	Output (liters)	Backwashing Time
10" DF KIT	30	2	to 10 LPH	250	Backwash Daily @ 1.5 times service flow for 20 ,mins.
POU DF	90	5	to 30 LPH	350	

## NGS Series Water conditioners



### Features

- ❑ Water Treatment in Housing societies, hotels, shopping malls, and corporate parks, bungalows, Institutions, etc.
- ❑ Pre Treatment for Reverse Osmosis plants
- ❑ Water treatment for boiler feed and cooling towers
- ❑ Removes suspended solids, Turbidity from water
- ❑ Gives the purest form of soft water, reduces hair loss and stops skin ailments
- ❑ Increases the life span of expensive bathroom and kitchen appliances
- ❑ Reduces plumbing problems with scale deposition on bathroom fittings

### Technical Specification

Softener Model	3M	3MQ	6MQ	9MQ	14MQ
Flow Rate (m <sup>3</sup> /hour)	3	3	6	9	10
Working Pressure (m <sup>3</sup> /h) (Max-Min)	1.8 to 3.5	1.8 to 3.5	1.8 to 3.5	1.8 to 3.5	1.8 to 3.5
Output Capacity per recharge (@200 ppm hardness as CaCo <sup>3</sup> )	14	28	50	84	130
Salt Regeneration (in kgs)	8	16	28	48	72
Dimension (in inch) Dia x Height	10 x 54	13 x 54	16 x 65	21 x 62	24 x 72
Resin Type	225 NaF	225 NaF	220 NA	220 NA	220 NA
Resin quantity (in litres)	45	90	175	300	400

Please note :

- The product picture shown is only available in 3M & 3MQ Model
- For all other models product look may vary at actual
- NaF is Upgraded NSF Certified Food Grade Resin

## NGMA Series Carbon Filter



### Features

- ❑ Removes chlorine from drinking water.
- ❑ Removes organic matter from drinking water.
- ❑ One FRP pressure vessel (NGMF / NGMA) fitted with plastic internal fittings
- ❑ One set of plastic frontal piping & multiport valve.
- ❑ One complete charge of suitable media and supporting under bed media
- ❑ One pressure gauge.
- ❑ Reduces plumbing problems with scale deposition on bathroom fittings

### Technical Specification

Model	NGMA20	NGMA30	NGMA45	NGMA65	NGMA110	NGMA160
Flow Rate (m <sup>3</sup> /hour)	2	3	4.5	6.5	11	16
m3/hour flowrate @ 1 ppm Inlet free Chlorine	2	3	4.5	6.5	11	16
3.5 ppm inlet free chlorine	1.1	2.3	3.5	5	8.3	11.8
Max Working Pressure (kg/cm <sup>2</sup> )	3.5	3.5	3.5	3.5	3.5	3.5
Volume/backwash	0.3	0.4	0.7	0.9	1.4	2
Dimension (in inch)						
Dia x Height	12 x 48	16 x 65	21 x 62	24 x 72	30 x 72	36 x 72

Please note :

- The product picture shown is only available in NGMA 20 Model
- For all other models product look may vary at actual

## NGMF Series Sand Filter



### Features

- ❑ Pre - treatment for drinking water in housing societies, hotels and shopping malls
- ❑ Pre - treatment for Reverse Osmosis system
- ❑ Swimming pool filtration in housing societies and hotels.
- ❑ Pre - treatment for cooling towers and boiler feed.

### Technical Specification

Model	NGMF20	NGMF30	NGMF40	NGMF60	NGMF85	NGMF135	NGMF195
Flow Rate (m <sup>3</sup> /hour)	2	3	4	6	8.5	13.5	19.5
Max Working Pressure (kg/cm <sup>2</sup> )	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Volume/Backwash (m <sup>3</sup> /h)	0.9	1.2	1.4	2.2	3	4.5	6.5
Dimension (in Inch)							
Dia x Height	12 x 48	14 x 65	16 x 65	21 x 62	24 x 72	30 x 72	36 x 72
Filter Media (in kg)	120	150	200	340	450	700	1000



# Are you drinking safe water?



**Get your water  
tested today**

**FREE**



**ZERO B™**  
PURE WATER SOLUTIONS 



**THE PROMISE OF PURE WATER**

 **ION EXCHANGE**  
*Refreshing the Planet*

# THANK - YOU

