

Environment. Integrated.

ZERO B™
PURE WATER SOLUTIONS

 **ION EXCHANGE**
Refreshing the Planet





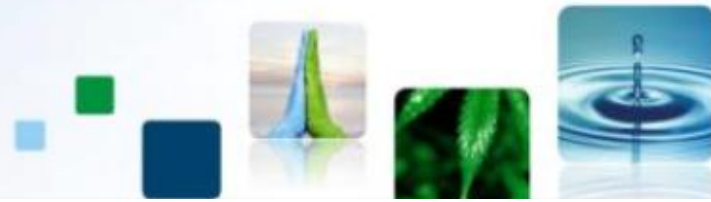
OUR VISION

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



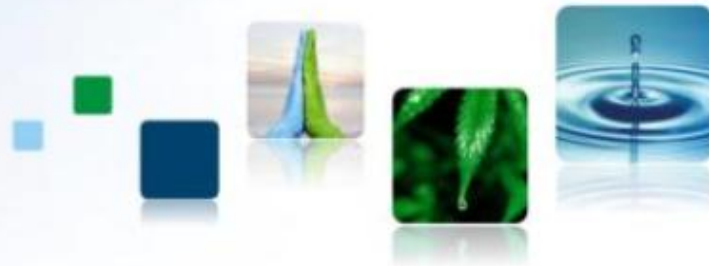
Milestone.....

- 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
- 2017** Launched India's first integrated Reverse osmosis membrane manufacturing facility At Verna, Goa



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

**Global
Market**

**Heavy
Segment**

Power

**Refinery &
Petrochem**

Steel & Metal

Paper

**Municipal &
Community
Services**

**Medium
Segment**

Pharma

Electronics

Sugar

Textiles

Cement

Chemicals

**Food &
Beverage**

Auto

**Light
Segment**

**Hotels &
Hospitals**

Realty

Rural

**Railway/
Defence**

**Home
Products**

**No Electric
Purifier**

UV Purifier

**RO Water
Purifier**

**Water
Softeners**

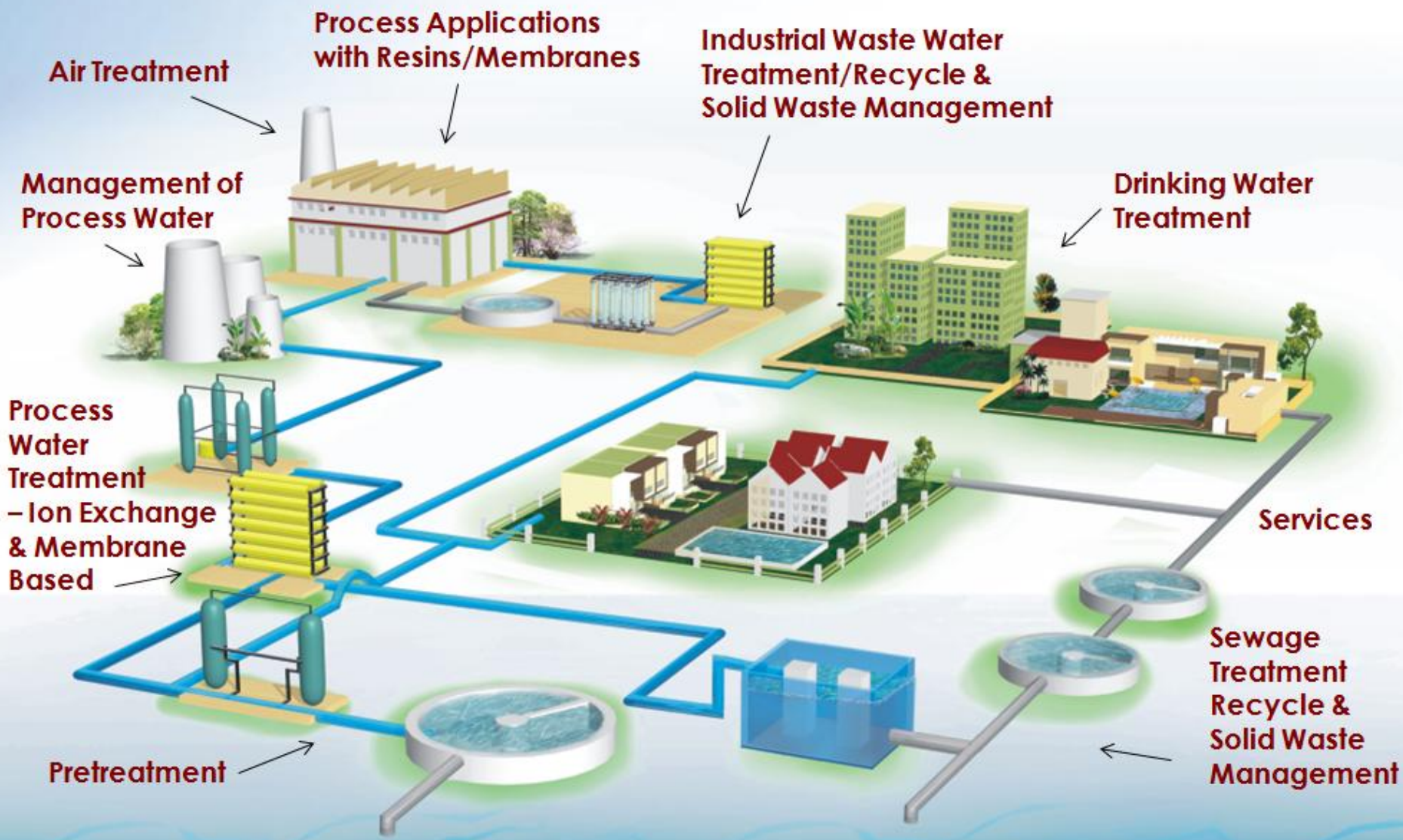
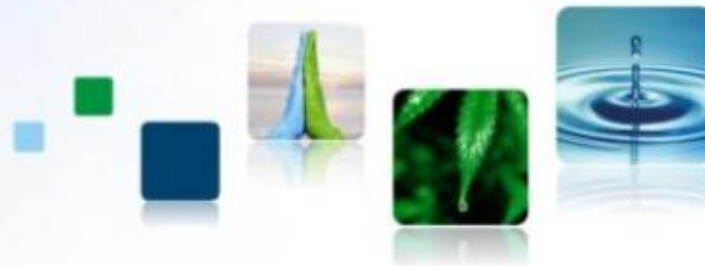
Sand Filter

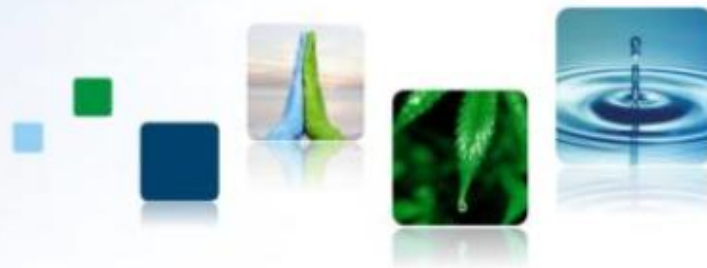
Iron Remover



TOTAL SOLUTIONS

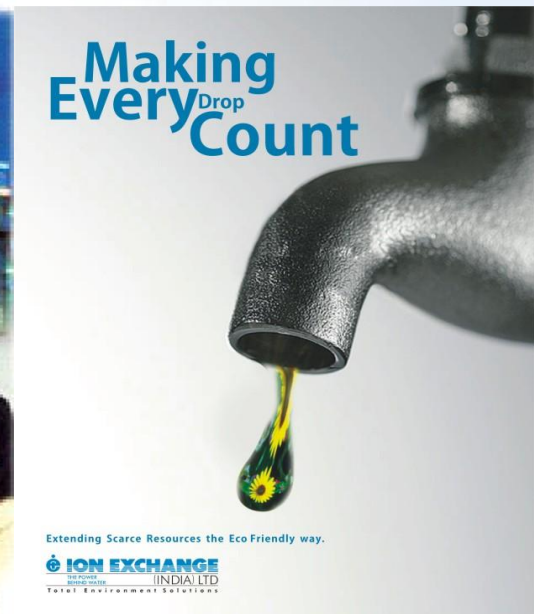
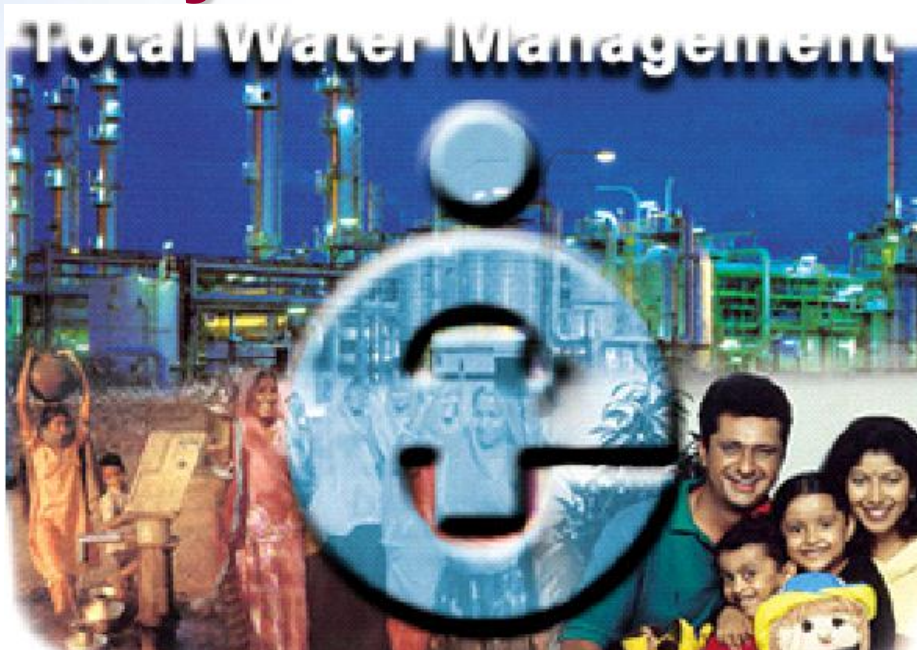
Click on text to open text box. Re-click to hide

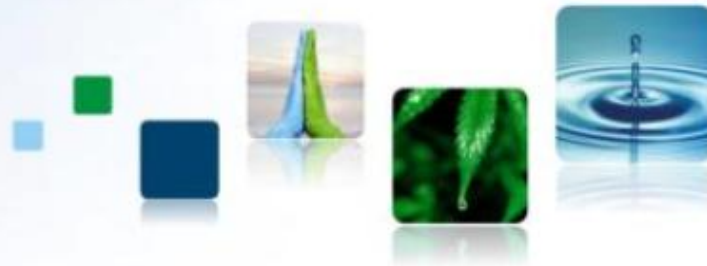




The only company in India offering Total Water Solutions

Industry • Homes • Communities

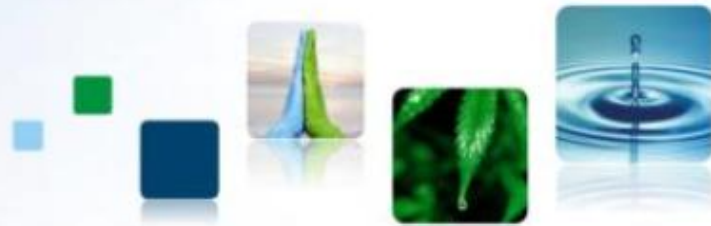




OUR MISSION

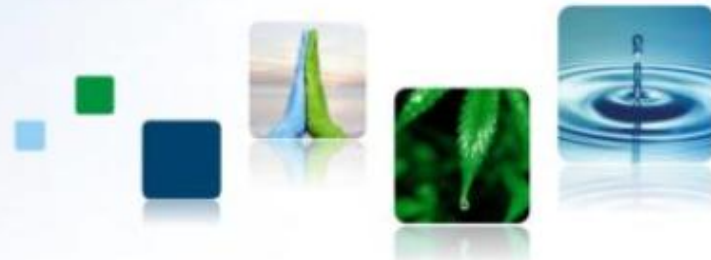
We work for the satisfaction of our customers, the wellbeing of our stakeholders and for the benefit of society of which we are a part.

We pursue the path of continuous improvement.



OUR VALUES

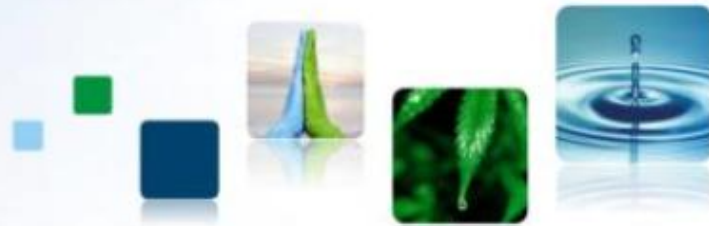
- ❑ *Customer satisfaction*
- ❑ *Protection of the environment*
- ❑ *Ethical, disciplined work behavior through Teamwork and individual initiative*
- ❑ *Pursuing excellence through continuous R&D and employee Training*
- ❑ *Work ethics inspired by professionalism and integrity*
- ❑ *Safe and congenial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



Water Digest Water Awards in association with UNESCO

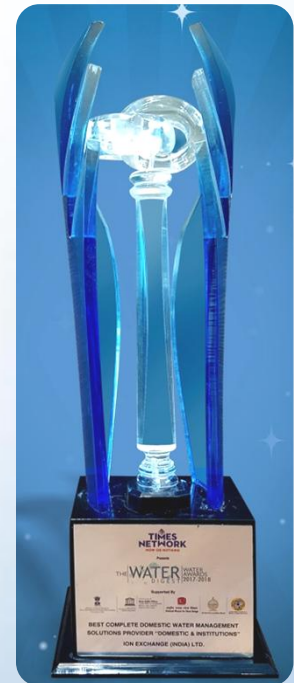
- **Best Complete Water Management Solutions Provider – Domestic & Institution (2014 – 15, 2015-16, 2016-17)**
- **Best Water Company – Made In India (2015-16)**
- **Distinguished Industrial Water Treatment Project (2011-12)**
- **Complete Domestic Water Solutions Provider (2011-12, 2013-14)**
- **Best R&D & Technological Breakthrough - Zero B eco RO (2012-13, 2013-14)**
- **Best Water Treatment - 'Water Treatment Chemicals' (2012-13)**

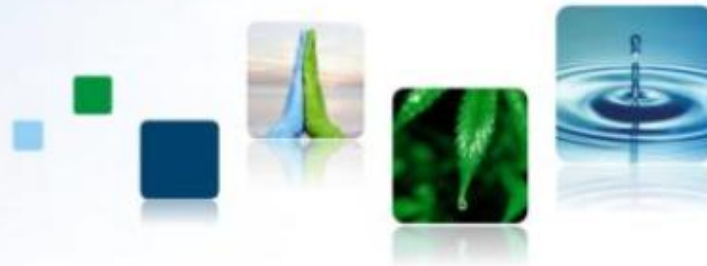




Water Digest Water Awards in association with UNESCO & Times Network

- Best Complete Domestic Water Management Solutions Provider by Water Digest 2017-18
- Best Water Company with UNESCO (2006-07, 2007-08, 2008-09, 2009-10, 2011-12, 2012-13, 2014-15, 2016-17)
- 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, 2013-14)
- Best Water Treatment – Water Treatment Chemicals (2010-11)
- Best Water Treatment Solutions Provider (2014-15)





Chemtech CEW Leadership & Excellence Awards

- **Business Leader of the year – Water Management (2015-16)**
- **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)

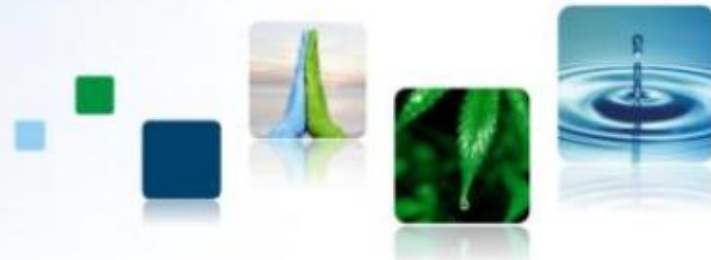
PPMAI Achievement Award

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

Construction Week

- **Runner-up for water project of the year (2015-16)**





Aqua Excellence Award

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

FICCI Award

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

Mera Brand Awards

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



4 YEARS IN A ROW

**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**

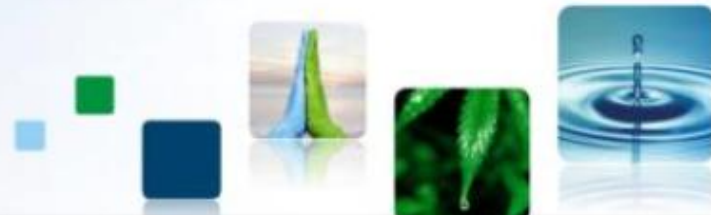




Our Research and Development

- 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





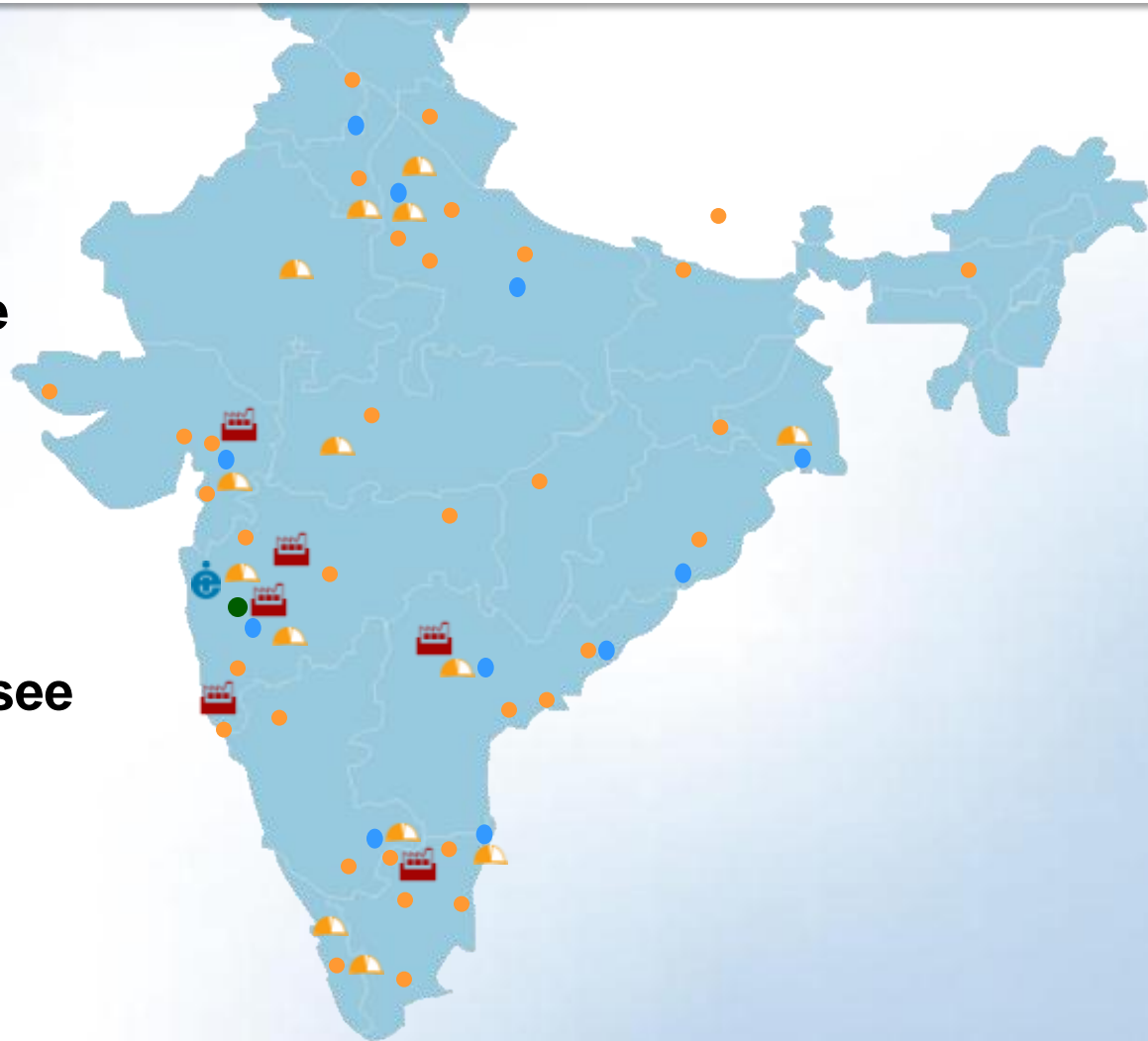
Global Footprint





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



World's most premium water treatment company
that offers the widest
range of RO water purifiers and softeners



AutoSand
Filter



IcyHot



Intello



UVGrande



ecoRO



Kitchenmate



AutoSoft 2



AutoSoft 3

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

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

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

Kitchenmate, an ideal water purifier for your smart kitchen.



For product demo, call customer care: **022 2788 1234**

www.zerobonline.com | zerob@ionexchange.co.in

 Zero B Water Purifier  TheZeroB

Features

- ❑ 7-stage Reverse Osmosis (RO) Purifier under the counter model that saves kitchen space.
- ❑ RO+ESS Technology :- ESS releases silver ions in RO treated water. Thus protecting the stored tank water and preventing germs infestation 24/7
- ❑ No UV and UF Filtration Process :- Post RO purification, UF or UV processes will not offer protection against slime forming bacteria in the tank and tubing's , while post RO ESS protects the water in the tank and tubing's from slime forming bacteria.
- ❑ The sleek and compact design of the all new kitchen mate enables easy placement under the sink. Hence, saving the precious space of your kitchen.
- ❑ Equipped with magnetic latches that makes it user friendly as well as service friendly.
- ❑ Automatic tank level controller which senses the water level in the tank and refills it accordingly
- ❑ Hydro Penumatic Tank :- The Large capacity of 8 liters provide high water flow rate from the faucet. One can also give input from the tank to their high end refrigerators.
- ❑ It meets the USEPA and IS 10500 drinking water standards. Hence, providing water that is free from all chemical , physical and biological impurities.

Technical Specifications

Parameters	
Purification Flow Rate	9* Litres/hour
Hydropneumatic E - Tank Capacity	8* Litres
Max. Inlet Water TDS	1500 ppm (Subject to hardness of inlet water been less than 500 ppm)
Inlet pressure (Min - Max)	0.5 to 2 kg/cm ²
Rejection of salts TDS	Upto 95%
Recovery of Pure water	Upto 35%
Electrical Power	230 VAC/30 Watts max.
Pre - filter	Filter bag + Hi Q filtration with ACF
Post RO Protection	E-Health cartridge with ESS protection
Dimension (D x W x H) (mm)	150 x 320 x 485
Hydropneumatic Tank Dimension (Dia x H) (mm)	267 x 368
Unit Weight (kg)	11

*Ion Exchange India reserves the rights for any amendments or modifications or changes in the above mentioned technical specifications without further notice.

*Under the test conditions of water inputs @ 950 TDS

This product is comprised of Unit, Tank & Faucet

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

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 ²
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

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 ²
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 ± 10% VAC
Power Consumption	30 W Maximum
Maximum Duty Cycle	85 litres / day

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

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

Skid 60 / 100 / 150 LPH RO Water Purifier



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

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



* Under the test conditions of water inputs @ 750 TDS

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 \pm 20% VAC	230 \pm 20% VAC	230 \pm 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

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 ²)	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 ₃	500 ppm
Max. allowable hardness (outlet) in treated water as CaCO ₃	< 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 ²
Inlet port size	½ BSP
Dimension	550 (height) x 150 mm (diameter)
Weight	6.85 Kg



AutoSoft 1 & 2



**ZERO B
Purple Soft**
Food Grade Resin



Features

- ❑ Prevents Hair & Skin Damage by reducing hardness causing minerals reducing excess consumption of Shampoo & Soap, means much milder exposure to harsh chemicals in shampoos / soap
- ❑ Soft water is gentle to skin & hair
- ❑ Increase the life of fabric
- ❑ Prevents damage of Bathroom fittings & appliances by Reducing scale deposition on the bathroom fittings, thus retains original shine Avoiding blockage of shower panel holes
- ❑ Prevents fabric from losing their natural look and feel
- ❑ Reduces consumption of soap and shampoo
- ❑ Reduces consumption of gas and also cooking time
- ❑ Remove suspended solids
- ❑ Increases life span of Kitchen appliances
- ❑ Maintains heating efficiency of water heater

Technical Specifications

Parameters	AutoSoft - 1K	AutoSoft - 2K
Water Flow	1000 LPH	2000 LPH
Dimensions (L x W x H)	330 x 470 x 660 (mm)	330 x 470 x 1100 (mm)
Inlet Water Pressure Required (Min - Max)	1.5 to 3.5 kg/cm ²	1.5 to 3.5 kg/cm ²
Inlet Max Hardness (As CaCO ₃)	500 ppm	500 ppm
Treated Water Hardness (As CaCO ₃)	< 50 ppm	< 50 ppm
Inlet/Outlet Connection Size	1"	1"
Drain Line	½"	½"
Electric Supply	230 V AC / 6 Amp	230 V AC / 6 Amp
Treated Water Output at 500 ppm Inlet Hardness	800 ltrs.	1700 ltrs.
Salt Tank Capacity	20 kg	40 kg

Condition of Operation

- Inlet water to be free of Turbidity (<5 NTU), Oil, Iron, Manganese and Chlorine.
- Salt used for recharging should be pure, in granular & pellet form.
- Temperature of inlet water within 5 - 45°C.

*Ion Exchange (India) Ltd. reserves the rights for any amendments or modifications or changes in the above mentioned technical specifications without further notice.



AutoSoft 3



Features

- ❑ Not required any operator as all functions are automatic, operations fully controlled thru Multi Port Valve with digital display
- ❑ The Resin media is specifically Purple colored to classify it as a genuine food grade resin
- ❑ Purple coloured softener resin will not be available for recycling unlike other resin available in market
- ❑ Additional auto linked power pump which saves power during regeneration
- ❑ Corrosion proof salt tank for longer tank

Technical Specification

Model	3AS	6AS
Flow Rates Upto	3.0 m3/hours	6.0 m3/1.5hours
Output / Regeneration (m3) Based on Feed Water Hardness 200PPM CaCO3	11 @< 50ppm Hardness	22 @< 50ppm Hardness
Purple Resin Quantity (liters) ZR NaF	45	90
Coarse Silex (kg)	30	40
Cabinet Salt Capacity in kgs	100	100
Salt Per Recharge in kgs	7	14
Process Valve	Fully Automatic Programmable	Fully Automatic Programmable
Softener Vessels	Composite filament wound Resin vessel & HDPE brine tank	Composite filament wound Resin vessel & HDPE brine tank
Vessel Size	13" dia. * 54" Height, 2.5" Top Opening	14" dia. * 65" Height, 4" Top Opening
Regeneration Pump	Self priming pump (with inbuilt NRV)	Self priming pump (with inbuilt NRV)
Installation Footprint	4 x 5 sq. ft.	4 x 5 sq. ft.
Electric Supply Requirements	230VAC, 6Amp = 2 Points Electric	230VAC, 6Amp = 2 Points Electric

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 ³)	14m ³
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

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 ³ /hour)	3	3	6	9	10
Working Pressure (m ³ /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 ³)	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 ³ /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 ²)	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



Features

- ❑ Automatic backwashing ensures consistent water quality
- ❑ It reduces turbidity & improve Suspended solid removal compared to conventional sand filter media It also Prolongs the life of the filtration media like resin or carbon
- ❑ Programmed backwashing requires no user interface
- ❑ Enhance performance of softeners & larger RO systems
- ❑ Easy to Handle

Technical Specifications

Model	3AF
Tank size (pressure vessel)	13" x 54", 2.5" top opening
Flow rate up to	3.0 m ³ /h
Working pressure (Kg/cm ²)	
Minimum	1.8
Maximum	3.5
Multigrade filter media	High-Grade Sand, Garnet and Silex.
Inlet outlet fitting	1" female thread
Drain fitting	1" female thread
Electrical supply requirement	230 VAC, 6Amp
Process valve	Fully programmable automatic valve powered by 12VDC/1.5Amp adaptor
Inlet turbidity	<20 NTU
Turbidity reduction	Better than 50%
Inlet suspended solid	<25 ppm
Suspended salt reduction	up to 80%

*Ion Exchange India reserves the rights for any amendments or modifications or changes in the above mentioned technical specifications without further notice.

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 ³ /hour)	2	3	4	6	8.5	13.5	19.5
Max Working Pressure (kg/cm ²)	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Volume/Backwash (m ³ /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

THANK - YOU

