

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



## Innovation to ensure Pure and Safe water for all

### Introduction

ZeroB has taken utmost pride in safeguarding families, houses, businesses and smiles from the perils of impure water for the last 50 years!

ZeroB, the Flagship brand of Ion Exchange (India) Ltd, with its strong national & international presence, has emerged as a premier water and environment management company. ZeroB has pioneered many path-breaking innovations in the field of technology and marketing to provide a one stop water solution for your home and the community in general. It promises to offer you water that is pure and safe for drinking and other applications.

At ZeroB, every product is crafted with meticulous attention to detail so that it provides ultimate defense against all water-borne diseases and ensures complete protection for your family.

The water purified by ZeroB products is tested and certified by several laboratories across the world to match the USEPA/IS standards. Ion Exchange (India) Ltd., has led virtually every breakthrough in the quest of fulfilling the company's vision, "to be a leader in our business which is so vital to people's lives and the environment."

Now the results of our progress in water purifying technology have been made available easily via our e-commerce site. Take a small step towards ensuring safe & pure water for your home and offices by logging on to [www.zerobonline.com](http://www.zerobonline.com)



### Awarded



Best Complete Domestic  
Water Management Solutions Provider  
"Domestic & Institutions - 2017-2018"



Best Complete Domestic  
Water Management Solutions Provider  
"Domestic & Institutions - 2016-2017"



Best Complete Domestic  
Water Management Solutions Provider  
"Domestic & Institutions - 2015-2016"



Best Complete Domestic  
Water Management Solutions Provider  
"Domestic & Institutions - 2014-2015"



## Our Vision

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

## Our Mission

- We work towards satisfaction of our customers, well being 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 behaviour 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

## Kitchenmate, an ideal water purifier for your smart kitchen.

ZeroB Kitchenmate is a contemporary water purifier that maintains your kitchen aesthetics without interfering with the interiors. Kitchenmate takes your water through 7 stages of purification hence offering safest & purest drinking water.

It also offers a patented ESS (Electrolytic System Sanitiser) technology.



The only  
water purifier  
with unique  
RO+ESS  
technology



## Features



**ESS - Patented and Certified technology**  
 ESS releases the silver ions in RO treated water. Thus, protecting the stored tank water & preventing germ infestation 24/7.



**NO UV & UF Filtration Processes**  
 Post RO purification, UF or UV processes does not offer protection against slime forming bacteria in the tank and tubings, whereas ESS provides protection.



**Space Management**  
 The sleek and compact design of Kitchenmate enables easy placement under the sink. Hence, saving the precious space of your kitchen.



**Hydropneumatic Tank**  
 It provides high water flow from the faucet



**Pure and safe drinking water**  
 It meets the USEPA drinking water standards & IS10500



**Detachable Front Cover**  
 It enables you to easily maintain the RO unit



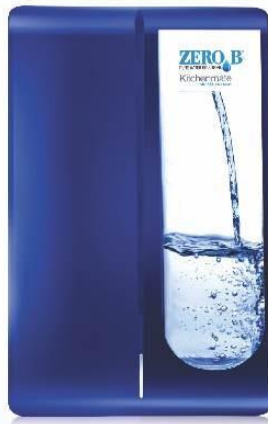
**Intelligent Auto Fill**  
 Ensures the purifier never runs out of pure & safe water



**Long Life**  
 Has a long life and shuts off when there is no water



**TLC Valve**  
 Ensures pump cut-off whenever the tank is full



## Technical Specifications

Parameters	
Purification flow rate	9* Litres/Hour
Hydropneumatic tank capacity	8* Litres
Max. inlet water (TDS)	1500 ppm (Subject to hardness of inlet water, less than 500 ppm)
Inlet pressure (Min - Max)	0.5 to 2 kg/cm <sup>2</sup>
Rejection of salts (TDS)	Up to 95%
Recovery of pure water	Up to 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 (L x W x H) (mm)	320 x 150 x 485
Hydropneumatic tank dimension (Dia x H) (mm)	267 x 368
Unit weight (kg)	11
Maximum recommended output	60 Litres / Day

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

\*Under standard test conditions

**ZERO B™**  
PURE WATER SOLUTIONS









**ecoRO**  
RO Water Purifier

## 3x higher water recovery

ZeroB eco RO gives 3 times higher pure water recovery compared to any other conventional RO purifiers. An international breakthrough in domestic RO purification technology, which reduces water wastage by 80%.



**RO + HRR + ESS**

	3 times higher pure water recovery than any other conventional RO purifiers		Reduces water wastage by 80%
	Sanitizes the water storage tank 24x7 to prevent germ build-up		Purification process ensures more pure water for your health
	Prevents germ build up by automatically cleaning the purifier		Energy stimulating water for healthy & energetic life
	Automatic power flush enhances membrane life		Awarded Best Water R&D & Technological Breakthrough ecoRO 2012-13 by UNESCO & WQA

## Features



**World's only**  
Up to 70% of pure water recovery



**Auto Tank Fill**  
Ensures that the RO purifier never runs out of pure and safe drinking water



**Double Safety**  
Provides additional safety by offering 100% germicidal protection



**Wall Mount**  
Saves your valuable kitchen space



**Long Life**  
Works on low water pressure thus enhancing life of membrane



**AFT**  
Enhances membrane life by automatically cleaning at regular intervals



**Pure and safe drinking water**  
Product water meets USEPA drinking water standards & IS 10500



**High Flow**  
Equipped with enhanced high flow membrane



**Automatic**  
Fully automated operations



**TDS + Heavy Metal Remover**  
Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.



**Energised Water**  
Energy stimulating water for healthy & energetic life



**ESS - Patented and Certified technology**  
Sanitises the storage tank water 24x7 to prevent germ build-up. The only RO purifier in India to have this technology.



**Pure Water**  
Converts salty water to pure, crystal clear, natural tasting drinking water.



**Detachable Storage Tank**  
For easy cleaning and maintenance of the water tank

## Technical Specifications

Purification flow rate	12* Litres / Hour
Storage tank capacity	6 Litres
Water saving	Up to 70 or 80% of input water
Max. inlet water (TDS)	1500 ppm (Subject to hardness of inlet water, less than 500 ppm)
Rejection of salts (TDS)	Up to 95%
Recovery of pure water	Up to 70%
Sediment Filter	10 Micron
Dimension (L x W x H) (mm)	275 x 230 x 370
Unit weight (Kg)	12
Maximum recommended output	70 Litres / Day

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\*Under standard test conditions

## Perfect blend of beauty and technology

Elegant, wall mount system - perfect for your kitchen

### Features

- Beautiful glowing transparent 6 litres detachable storage tank for easy cleaning and maintenance of the water tank
- Enhances membrane life by automatically cleaning at regular intervals
- Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.
- Intelligent fill ensures that the RO purifier never runs out of pure and safe drinking water
- Provides additional safety by offering 100% germicidal protection



**Heptapure Technology**  
Purification process that gives clear, safe and pure drinking water.



**TDS + Heavy Metal Remover**  
Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.



**Detachable Storage Tank**  
For easy cleaning and maintenance of the water tank



**High Flow**  
Equipped with enhanced high flow membrane

### Technical Specifications

Purification flow rate	9* Litres / Hour
Storage tank capacity	6 Litres
Max. inlet water (TDS)	1500 ppm (Subject to hardness of inlet water, less than 500 ppm)
Rejection of salts (TDS)	Up to 95%
Recovery of pure water	Up to 35%
Sediment Filter	10 Micron
Dimension (L x W x H) (mm)	275 x 230 x 370
Unit weight (Kg)	11
Maximum recommended output	60 Litres / Day

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## Water purifier that talks to you

Equipped with Intello Monitoring System

### Features

- Pure, safe drinking water for your big families, hotels, restaurants, resorts, offices, factories, educational institutes, etc.
- ESS Technology sanitises the storage tank water 24x7 to prevent germ build-up. The only RO purifier in India to have this technology.
- Unique DMCS (Digital Monitoring and Controller System) technology that indicates the quality of output water, cartridge life, filter replacement alerts, flow rates, etc.
- Auto flush timer enhances membrane life by automatically cleaning at regular intervals
- Dry run protection pump avoids unnecessary wastage of power by automatically shutting off when there is no water

### Technical Specifications

Model	25 LPH
Purification flow rate	25* Litres / Hour
Storage tank capacity	8 Litres
Max. inlet water (TDS)	1500 ppm
Rejection of salts (TDS)	Up to 95%
Recovery of pure water	Up to 40%
Hydropneumatic tank pressure in Kg/cm <sup>2</sup>	1.8 to 2.8 (factory set)
Sediment Filter	10 Micron
Dimension (L x W x H) (mm)	445 x 275 x 410
Unit weight (Kg)	17
Tank dimension (Height x Dia) mm	368 x 267
Maximum recommended output	60 Litres / Day

\*Under standard test conditions



**Heptapure Technology**  
Purification process that gives clear, safe and pure drinking water.



**TDS + Heavy Metal Remover**  
Removes excess salts, bacteria, viruses, pesticides, harmful chemicals & heavy metals from water.



**ESS Technology**  
Sanitises the storage tank water 24x7 to prevent germ build-up. The only RO purifier in India to have this technology.



**Smart Indicator**  
Purification process that gives clear, safe and pure drinking water.

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Note: When Intello is to be used with a cooler / storage tank, the HN tank is not required. For this special requirement please consult before ordering.





## High capacity RO purifier with smart alerts and water saving

Ideal for malls, multiplexes, restaurants, etc.

### Features

- HRR technology gives 3 times higher pure water recovery than any other conventional RO purifiers
- Smart visual alerts, a unique dynamic monitor and controller indicated TDS level of output water, life of cartridges, tank full indicator and auto beep for no water.
- Membrane life enhancer
- Reduces water wastage substantially
- Automatic power flush enhances membrane life

### Technical Specifications

Model	50 LPH	100 LPH	150 LPH
Purification flow rate	50* Litres / Hour	100* Litres / Hour	150* Litres / Hour
Recovery of pure water	Up to 70%	Up to 70%	Up to 70%
Rejection of salts (TDS)	Up to 95%	Up to 95%	Up to 95%
Max. inlet water (TDS)	1500 ppm (Subject to hardness of inlet water, less than 500 ppm)	1500 ppm (Subject to hardness of inlet water, less than 500 ppm)	1500 ppm (Subject to hardness of inlet water, less than 500 ppm)
Water saver cartridge	20"	20"	20"
Post RO purification	ESS	ESS	ESS
Digital monitor indications	TDS, cartridge life, power ON, no water and change cartridge.	TDS, cartridge life, power ON, no water and change cartridge.	TDS, cartridge life, power ON, no water and change cartridge.
Dimension (L x W x H) (mm)	435 x 510 x 815	435 x 510 x 815	435 x 510 x 815
Unit weight (Kg)	32	34	36
Maximum recommended output	270 Litres / Day	545 Litres / Day	815 Litres / Day



World's only  
Up to 60% of pure water recovery



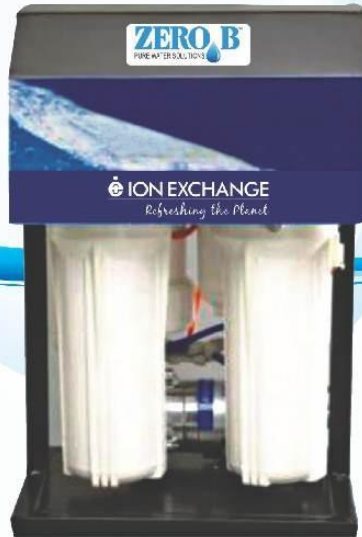
ESS - Patented and Certified technology  
Sanitises the storage tank water 24x7 to prevent germ build-up. The only RO purifier in India to have this technology.



Smart Indicator  
Purification process that gives clear, safe and pure drinking water.

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## Fully automatic RO purifier

Ideal for large families, offices and institutes.

### Features

- Pure, safe drinking water for big families, hotels, restaurants, resorts, offices, factories, educational institutes, etc.
- Removes excess salts, bacteria, viruses, pesticides, harmful chemicals, heavy metals and TDS from water.
- Auto flush timer enhances membrane life by automatically cleaning at regular intervals
- Dry run protection pump avoids unnecessary wastage of power by automatically shutting off when there is no water
- Hydropneumatic storage tank with 8 litres of capacity, provides pressurised water at a high flow rate from the faucet.
- Recommended as under the counter water purifier



**TDS + Heavy Metal Remover**  
Removes excess salts, bacteria, viruses, pesticides, harmful chemicals and heavy metals from water.



**High Flow**  
Equipped with enhanced high flow membrane



**Auto Tank Fill**  
Ensures that the RO purifier never runs out of pure and safe drinking water



**Long Life**  
Works on low water pressure thus enhancing life of membrane

### Technical Specifications

Model	15 LPH	25 LPH
Purification flow rate	15* Litres / Hour	25* Litres / Hour
Storage tank capacity	8 Litres	8 Litres
Sediment Filter	10 Micron	10 Micron
Inlet pressure (Mix.-Max) in Kg/cm <sup>2</sup>	0.5 - 2.0	0.5 - 2.0
Rejection of salts (TDS)	Up to 95%	Up to 95%
Recovery of pure water	Up to 35%	Up to 35%
Dimension (L x W x H) (mm)	300 x 300 x 540	300 x 300 x 540
Unit weight (Kg)	16.5	17
Maximum recommended output	150 Litres / Day	185 Litres / Day

\* Under standard test conditions

Note: When ZeroB Skid is to be used with a cooler / storage tank, the HN tank is not required.  
For this special requirement please consult before ordering.



## High capacity RO purifier

Ideal for large families, offices and institutes.

### Features

- Pure, safe drinking water for big families, hotels, restaurants, resorts, offices, factories, educational institutes, etc.
- A unique dynamic monitor and controller indicated TDS level of output water, life of cartridges, tank full indicator and auto beep for no water.
- Removes excess salts, bacteria, viruses, pesticides, harmful chemicals, heavy metals and TDS from water.
- Auto flush timer enhances membrane life by automatically cleaning at regular intervals
- Dry run protection pump avoids unnecessary wastage of power by automatically shutting off when there is no water
- Final purification done through ultra violet sterilisation, which disinfects water by paralyzing bacteria and viruses with Ultra Violet (UV) rays

### Technical Specifications

Model	60 LPH	100 LPH	150 LPH
Purification flow rate	60* Litres / Hour	100* Litres / Hour	150* Litres / Hour
Inlet pressure (Min.-Max.) in Kg/cm <sup>2</sup>	1.0-2.0	1.0-2.0	1.0-2.0
Rejection of salts (TDS)	Up to 95%	Up to 95%	Up to 95%
Recovery of pure water	Up to 40%	Up to 40%	Up to 40%
Sediment filter	10 Micron	10 Micron	10 Micron
Softener with brine vessels	500 LPH	500 LPH	500 LPH
Dimension (L x W x H) (mm)	450 x 470 x 895	450 x 470 x 895	450 x 470 x 895
Maximum recommended output	475 Litres / Day	650 Litres / Day	950 Litres / Day

\*Under standard test conditions



**TDS + Heavy Metal Remover**  
Removes excess salts, bacteria, viruses, pesticides, harmful chemicals and heavy metals from water.



**High Flow**  
Equipped with enhanced high flow membrane



**Long Life**  
Works on low water pressure thus enhancing life of membrane



**Automatic**  
Fully automatic operations

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**ZERO B™**  
PURE WATER SOLUTIONS

**ZERO B**  
**icyhot**  
water dispenser

## Get chilled & hot water instantly with ZeroB IcyHot

India's 1<sup>st</sup> water dispenser that comes with two variants: RO+ESS & UV+ESS

ZeroB IcyHot water dispenser, is a sleek and elegantly styled unit that delivers safe and pure water in both hot and cold options. This unit is well suited for offices, institutions, high end retail outlets. This hot and cold water dispenser is available in two options- Free standing and Counter top.

### Features

- **RO+ESS** - Removes excess salts, pesticides heavy metals, THMs, VOCs and also disease causing bacteria and viruses, it converts salty water to good tasting water.
- **UV+ESS** - UV Purification deactivates bacteria and viruses and the ESS technology prevents germ build-up in the stored water.
- **ESS** - Gives total security to the outsourced water, but also prevents slime forming bacteria from building up in the storage tanks and tubings.



Unique ESS technology protects the purified water from recontamination and slime formation in storage water tank



Sleek and well styled dispensing unit



ESS protector for bubble top water dispenser process that purifies the incoming bottled water before being dispensed (ESS)



Soft backlit indications for power, heating & cooling.



9 stages of purification with High recovery RO purifier backed with patented ESS system. Applicable only for RO variant.



Easy access purification module which makes the servicing quick and easy



5 stages of purification takes care of improper flow conditions, scaling on quartz glass, turbidity and voltage fluctuations. Applicable only for UV variant.



## Technical Specifications

Parameters	RO		UV	
	Counter Top	Free Standing	Counter Top	Free Standing
Water tank capacity	Hot 1.1 Litres /Cold 2.2 Litres		Hot 1.1 Litres / Cold 2.2 Litres	
Output flow rate of RO	10 Litres / Hour*		60 Litres / Hour*	
Dimensions (basic unit) (mm)	270 x 530 x 580	270 x 420 x 1100	270 x 530 x 580	270 x 420 x 1100
Weight (Kg)	23.5	26.3	20.5	23.5
<b>Inlet Water Parameters</b>				
Inlet opening	Inlet opening ½” BSP male thread connection		Inlet opening ½” BSP male thread connection	
Inlet pressure (Kg / cm <sup>2</sup> )	0.5 - 2.0		0.5 - 2.0	
Inlet turbidity	Less than 5 NTU		Less than 3 NTU	
Maximum Inlet water TDS	Up to 1200 ppm (Subject to hardness of inlet water being less than 500 ppm)		Up to 500 ppm	
Water saving	80% (Tap water saved)			
Rejection of salts (TDS)	Up to 95%			
Recovery	Up to 70 % (Ratio of good water/ bad water)			
Iron silica Mn			Nil	
Free chlorine			Less than 0.5 ppm	
<b>Electrical Specifications</b>				
Operating voltage	230 ± 10% VAC		230 ± 10% VAC	
Power consumption of RO purifier/UV purifier/ESS purifier	30 Watts Max.		20 Watts Max.	
Heating power/Cooling power	550 W / 100 W		550 W / 100 W	
Heating capacity	5 Litres / Hour, 85°C-95°C		5 Litres / Hour, 85°C-95°C	
Cooling capacity	2 Litres / Hour, 8°C-15°C		2 Litres / Hour, 8°C-15°C	



## Technical Specifications

Purification Stages	RO	UV
Stages	<b>Prefilter:</b> Integrated filter bag Dedicated 5 micron filter Bacteriostatic silver impregnated activated carbon	<b>Prefilter:</b> Integrated filter bag
	<b>HI-Q Filtration:</b> Dedicated 5 micron filter	<b>HI-Q Filtration:</b> Dedicated 5 micron filter
	<b>BAC:</b> Filter Silver Impregnated Bacteriostatic Activated Filter	<b>BAC:</b> Filter Silver Impregnated Bacteriostatic Activated Filter
	<b>Sediment filter:</b> 5 micron filter	<b>UV Purification:</b> UV module
	<b>Water saver cartridge:</b> ESS and E-CLEAN	<b>E-Health combo filter:</b> Electrolytic water protector Silver impregnated carbon
	<b>RO membrane:</b> ULF 1812	
	<b>E-Health combo filter:</b> Electrolytic water protector Silver impregnated carbon	

Ion Exchange (India) Ltd. reserves the rights for any amendments or modification or changes in Product technical specification & Product representation without further notice.

Indications		
RO ON / UV ON / PUMP ON	RED - BLUE FLASHER LED	RED - BLUE FLASHER LED
POWER ON	RED - LED	RED - LED
COOLER ON	BLUE - LED	BLUE - LED
HEATER ON	RED - LED	RED - LED

\*Under standard test conditions.

**ZERO B™**  
PURE WATER SOLUTIONS



**Protect your hair from damage  
caused by hard water with  
ZeroB AutoSoft  
Automatic water softener**





**ZERO B™**  
PURE WATER SOLUTIONS



The new generation Softener - ZeroB AutoSoft Home is an automatic water softener from Ion Exchange (India) Limited. These softeners are meant to serve our customers with an experience of enhanced performance, user-friendliness and assurance on the quality of treated water.

The primary function of ZeroB AutoSoft Home is to soften the incoming hard water to improve the experience in bathing, washing, laundering, and also eliminate the scum formation, scaling effects of hard water on appliances and bathroom accessories.

An automatic softener valve, softener resin media, a media holding vessel and a salt holding tank are the key components of ZeroB AutoSoft Home. The automatic softener equipment complements well with any plumbing and electrical setup. A robust and reliable automatic valve and a proprietary tamper proof softening media delivers soft and safe, conditioned water. Food grade ZeroB softening resin is marked with a unique purple colour to prevent entry of spurious and harmful replacement media, whenever it is replaced after its life cycle.



### Benefits of AutoSoft Home



Prevents hair and skin damage



Prevents damage of bathroom fittings & appliances



Retains fabric's color & feel



Prevents stains on kitchen appliances



Maintains heating efficiency of water heater



Saves soap and shampoo



Saves cooking gas

## Water as soft as the morning dew

### Features

- User-friendly waterproof LED display & feather touch buttons
- Built-in salt tank
- ZeroB Purple soft resin
- Automatic operation
- Corrosion proof compact body



### Technical Specifications

Parameters	AutoSoft - 1	AutoSoft - 2
Water flow up to	1000 Litres / Hour	2000 Litres / Hour
Dimensions (L x W x H) (mm)	330 x 470 x 660	330 x 470 x 1100
Inlet water pressure required (Min - Max)	1.5 to 3.5 Kg/cm <sup>2</sup>	1.5 to 3.5 Kg/cm <sup>2</sup>
Inlet max hardness (as CaCO <sub>3</sub> )	800 ppm	800 ppm
Treated water hardness (as CaCO <sub>3</sub> )	< 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 Litres	1700 Litres
Salt tank capacity	20 Kgs	40 Kgs

\*Under standard test conditions

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## Getting soft water now made easy

Softeners for homes, societies, hotels, etc.



When there is excessive calcium and magnesium salts in water it results in hard water.

ZeroB AutoSoft is a single solution for all hard water problems. This stylish and fully automatic softener cleanses every drop of water, making it free of hardness. The all new ZeroB AutoSoft- automatic water conditioner from Ion Exchange (India) Ltd. is meant to serve our customers to give them the experience of enhanced performance, user-friendliness and assurance on the quality of treated water.

With its unique user-friendly display screen that shows working flow rate of softener, remaining softening capacity and softener process stages such as service, backwash, brine, slow rinse, fast rinse and brine refill makes ZeroB AutoSoft a true marvel indeed. The proprietary food grade resin is marked with a unique purple colour to prevent entry of spurious and harmful media replacement after its life cycle.

### Benefits of AutoSoft



Retains fabric's color & feel



Saves soap and shampoo



Saves cooking gas



Maintains heating efficiency of water heater



Prevents stains on kitchen appliances



Prevents damage of bathroom fittings & appliances



Prevents hair and skin damage

For more information:  
022 - 2788 1234  
zero@ionexchange.co.in  
www.zeroion.com



### Features

- Corrosion proof salt tanks for longer life
- User-friendly auto valve screen displays process stages and output alerts
- Built-in no hard water bypass valve (NHBV) during recharging
- An auto linked additional low power pump for recharging at night
- Food grade tamper proof purple colour softening resin to classify it from other softeners.
- Elegantly styled softener vessel body

### Technical Specifications

Model	AutoSoft - 3	AutoSoft - 6
Flow rates up to	3.0 M <sup>3</sup> / H	6.0 M <sup>3</sup> / 1.5 H
Output / regeneration m3 based on feed water hardness 200 ppm CaCO <sub>3</sub>	11@< 50 ppm hardness	22@< 50 ppm hardness
Purple resin quantity (Litres)	45	90
Coarse silex (Kgs)	30	40
Cabinet salt capacity (Kgs)	200	200
Salt per recharge (Kgs)	7	14
Process valve	Fully automatic programmable	Fully automatic programmable
Softener vessels	Composite filament wound resin vessel and HDPE brine tank	Composite filament wound resin vessel and 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 electric points	230VAC, 6Amp - 2 electric points

\* Under standard test conditions

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• Purple Soft Resin is NSF Certified Food Grade Resin



## POU Softener Water Softener

### The easiest way to soften hard water

Wall mounted softeners for homes - Easily attached to your geysers, taps, washing machines, etc.



Avail 4 sachet of ZeroB pelletized Recharging Salt absolutely free with this product

### Features

- Provides the softest water that reduces hair loss and prevents skin ailments
- Increases the life span of expensive bathroom, kitchen and home appliances.
- Reduces scaling of bathroom fittings
- Prevents fabrics from losing their natural look and feel; Helps increase life span of utensils.
- Helps prevent over consumption of cooking gas

### Technical Specifications

Flow Rate (Max.)	10 LPM
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 (Litres)	300 (@ hardness of 500 ppm) 600 (@ hardness of 250 ppm)
Recharging time	30 minutes
Mode of recharging	Manual
Recharging material	ZeroB Pelletized Recharging Salt
Min. - Max. Operating pressure in Kg/cm <sup>2</sup>	0.5 - 2.0
Inlet port size	½" BSP
Dimension (Height x Dia) (mm)	550 x 150
Weight (Kgs)	6.85

\* Under standard test conditions

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## Shield against iron contaminated water designed for Indian homes

### Features

- D-Ferrous is India's first Iron Remover exclusively designed for Indian households
- Pre-treatment for domestic RO water purifier up to 25 LPH
- It is fitted with a unique user-friendly backwash valve that regulates all functions
- D-Ferrous acts as an effective shield against Iron contamination in water by eliminating the iron precipitates
- Keeps skin soft, glowing and healthy
- Retains fabric's colour, feel and texture.
- Saves consumption of cooking gas
- Removes foul metallix taste from water

So, give your family Iron free water at a fraction of the cost



### Technical Specifications

Model	Flow (LPH)	Iron level (ppm Max.)	Suitable for RO product	Output (Litres/Hour)	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	

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\*Under standard test conditions





## Sand filtration trusted over the ages, now we have taken it further.

The new ZeroB AutoSand Filter is an automatic particle filtration system that converts muddy water to clear water



### Features

- Improved turbidity & suspended solids removal compared to conventional sand filter media
- Automatic backwashing ensures consistent water quality
- Prolongs the life of the filtration media
- Programmed backwashing requires no user interface
- Enhances performances of softeners & larger RO systems

### Technical Specifications

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

\*Under standard test conditions

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

Softeners to soften hard water at homes, residential complexes, hotels, etc.

### Features

- Water treatment for housing societies, hotels, shopping malls, corporate parks, bungalows, institutions, etc.
- Pre-treatment for RO plants, boiler feed and cooling towers
- Removes suspended solids and turbidity from water
- Prevents hair loss and skin ailments
- Increases the life span of expensive bathroom and kitchen appliances
- Reduces scaling of bathroom fittings

### Technical Specifications

Model	3M	3MQ	6MQ	9MQ	14MQ
Flow Rate (m <sup>3</sup> /hour)	3	3	6	9	10
Working pressure in Kg/cm <sup>2</sup> (Min.-Max.)	1.8-3.5	1.8-3.5	1.8-3.5	1.8-3.5	1.8-3.5
Output capacity per recharge (@ 200 ppm hardness as CaCO <sub>3</sub> )	11	22	50	84	114
Salt regeneration (Kgs)	8	16	28	48	72
Vessel dimension (Height x Dia) in inches	10 x 54	13 x 54	16 x 65	21 x 62	24 x 72
Resin type	ZRNaF	ZRNaF	220 NA	220 NA	220 NA
Resin quantity (Litres)	45	90	175	300	400

\*Under standard test conditions

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Note: The product picture shown is available in 3M and 3MQ Model • Product look may vary for all other models

• NaF is NSF certified Food Grade Resin



## New generation activated carbon

For removal of chlorine, undesirable colour & odour from water



**\*Please note:**

- The product picture shown is available in NGMA 20 Model
- Product look may vary for all other models

### Features

- For water treatment in housing societies, hotels, shopping malls, corporate parks, bungalows, institutions, etc.
- Pre-treatment for RO plants, boiler feed and cooling towers for chlorine removal from water
- Removes organic matter from water
- FRP pressure vessel (NGMF / NGMA) fitted with plastic internal fittings
- Set of plastic frontal piping & multiport valve
- Complete charge of suitable media and supporting under bed media
- One pressure gauge

### Technical Specifications

Model	NGMA20	NGMA30	NGMA45	NGMA65	NGMA110	NGMA160
Flow Rate (m <sup>3</sup> / hour)	2	3	4.5	6.5	11	16
m <sup>3</sup> / 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
Vessel dimension (Height x Dia) in inches	13 x 54	16 x 65	21 x 62	24 x 72	30 x 72	36 x 72
Activated carbon filter media (Kg)	40	65	110	145	220	320

\*Under standard test conditions

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**NGMF**  
**Sand Filter**

**New generation multigrade filter**  
For removal of suspended particles

**Features**

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

**Technical Specifications**

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/Back wash (m <sup>3</sup> / hour)	0.9	1.2	1.4	2.2	3	4.5	6.5
Vessel dimension (Height x Dia) in inches	12 x 48	14 x 65	16 x 65	21 x 62	24 x 72	30 x 72	36 x 72
Filter media (Kg)	120	150	200	340	450	700	1000

\* Under standard test conditions

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





## Packaged Reverse Osmosis system

An economical way to obtain pure water from brackish water

### Features

- Compact MS unit with robust mild steel powder coated frame
- Efficiently removes up to 95% of total dissolved solids (TDS) or salinity to produce water that is pure, safe and clear.
- Range of models with capacities from 200-3000 litres
- On-line instrument to monitor treated water quality
- The most economical and efficient method to remove dissolved solids
- Easy to start-up and uses very little space on installation

### Technical Specifications

Model	401	402	403	404
Average product flow (LPH)	400	600	800	1000
*Average recovery (%)	30	30	30	30
*Max. permissible TDS in feed (ppm)	2500	2500	2500	2500
Average TDS Removal (%)	Between 90 to 95			
Min. feed pressure required at pump inlet (Kg/cm <sup>2</sup> )	2.0			
Power supply (3 phase)	415 V/50Hz			
Motor (hp/rpm)	3.0/2900			
Dimensions (mm) (Width x Depth x Height x Head Room)	850 x 650 x 1630 x 1000			

\*Under standard test conditions



Cartridge Purification Life  
Gives 12000 litres of bacteria and viruses free drinking water



Removes Physical Impurities  
High quality filter efficiently removes mud, sand, dust and other suspended impurities, reduces turbidity by 70%.



Iodinated Resin Technology  
Permanently kills bacteria and viruses that cause water-borne diseases like Polio, Hepatitis, Diarrhea, Typhoid and gives pure drinking water

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

Note: \*Higher recovery & TDS levels are possible. Contact us with detailed raw water analysis for confirmation.

\*Feed water temperature should not be above 40 degrees centigrade.



## World's First UV water purifier equipped with ESS technology

### Features

- **Detachable Storage Tank**

Ensures to keep 4 litres water ready for use always and also gives you extra advantage for easy cleaning and maintenance of tank

- **LED Smart Indicator**

Indicates the health of water purifier and water quality

- Power On-Blue LED • UV On-White LED • UV Pass-Green LED • UV Fail-Red LED



#### Next Gen UV Technology

The 6 stage UV water purification system paralyses disease causing bacteria and viruses by disrupting genetic cell



#### ESS Technology

Sanitises the storage tank water 24x7 to prevent germ build-up. The only RO purifier in India to have this technology.



#### Auto Tank Fill

Ensures that the RO purifier never runs out of pure and safe drinking water

### Technical Specifications

Purification flow rate	1 Litres / Hour
Power rating (Max.)	20W
Product dimension (L x W x H) (mm)	275 x 230 x 370
Inlet pressure (Min.-Max.)	0.5-2.0
Unit weight (Kg)	4.4

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

\*Under standard test conditions



## ZeroB UV Grande provides cold and pure water hence, ensuring healthy life.

ZeroB UV Grande water purifier redefines the purity and security of treated water. The unique UV disinfection is a well accepted natural, non-chemical, environmentally safe technique for purifying physically and biologically contaminated water



### Features

- Next Gen UV Technology - The 6 stage UV water purification system paralyses disease causing bacteria and viruses by disrupting genetic cell
- ESS Technology - Protects the tank water and prevents germ build-up 24x7. Renders residual protection and better shelf life to the purified water by ruling out the recontamination and slime build-up of bacterial growth
- Hexapure Technology - Ensures pure and safe drinking water
- Wall Mount Model - Saves your valuable kitchen space
- LED Smart Indicator - Indicates the health of water purifier and water quality

### Technical Specifications

Model	2L / 4L
Output flow rate	2 / 4 Litres / Min
Inlet pressure (Min. - Max.)	0.5 - 2 Kgs / cm <sup>2</sup>
Power consumption	20 / 30 Watts
UV lamp	11 / 16 Watts
Product Dimension (W x D x H)	382 x 190 x 450 mm
Weight (Net)	6 Kgs

\*Under standard test conditions

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**Puriline 4L**  
Online Purifier



**1000 glasses of pure water per hour**  
Ideal for schools, hotels, offices, etc.

**Features**

- For safe and natural tasting water based on ZeroB Resin Technology
- Eliminates disease causing bacteria and viruses
- Removes unwanted odour, taste and colour to give natural tasting water.
- Does not require electricity
- Separate water meter to indicate capacity utilisation
- Higher dispensing capacity of 4 litres per min.



**Cartridge Purification Life**  
Gives 40,000 litres of bacteria and viruses free drinking water



**Removes Physical Impurities**  
High quality filter efficiently removes mud, sand, dust and other suspended impurities, reduces turbidity by 70%.



**Iodinated Resin Technology**  
Permanently kills bacteria and viruses that cause water-borne diseases like Polio, Hepatitis, Diarrhea, Typhoid and gives pure drinking water

**Technical Specifications**

Output flow rate	4 Litres / Min
Cartridge life	40,000 Litres
Working pressure (Min. - Max.) (Kg/cm <sup>2</sup> )	0.5 - 6.0
Product dimension (L x W x H) (mm)	445 x 145 x 445
Weight (Kg)	3.8 (approx.)

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

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

Note: Best to use when TDS of inlet water is 100 ppm or below and in absence of chlorine

\*Under standard test conditions

**ZERO B™**  
PURE WATER SOLUTIONS



## Iron Remover - Storage water purifier

ZeroB Rakshak water purifier removes iron, suspended particles, excess iodine, chlorine, organics, mud and foul taste from water besides eliminating disease causing bacteria and viruses thus making your water absolutely safe for consumption.

### Features

- 4 stages of purification
- Auto shut-off germicidal cartridge with exhaust indicator
- Easy to wash, reusable sponge filter capsule.
- No electricity required
- Easy to install



**4**  
STAGE  
4 Stage Purification  
4 unique stage purification process that gives pure and safe drinking water



Cartridge Purification Life  
Gives 3,000 litres of bacteria and viruses free drinking water

### Technical Specifications

Parameters	
Capacity of upper fill container	5 Litres
Capacity of Purified water container	10 Litres
Iron remover cartridge capacity	6000 Litres
Germicidal cartridge capacity	6000 Litres
Purifier flow rate	10 LPH
Germicidal cartridge end indicator	Auto shut off or Red Strip
Net Weight	3.25 Kgs
Product Dimensions	610x320 mm

\*Under standard test conditions

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

\*Output water meets IS 10500 drinking water standard of disease causing water-borne bacteria and virus removal



**Easily fits on any tap size**  
Ensures 7500 litres bacteria free drinking water

### Features

- Tap attachment water purifier with globally acclaimed Ion Exchange Resin Technology
- Gives 7500 litres of bacteria free pure drinking water at a flow rate of 2 litres / min.
- Does not require electricity
- Gives residual protection

### Technical Specifications

Purification flow rate	2 Litres / min
Product dimension (L x W x H) (mm)	88 x 64 x 115
Weight (gms)	90

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

Note: Best to use when TDS of inlet water is 100 ppm or below and in absence of chlorine

\*Under standard test conditions



**Resin Technology**  
Kills bacteria and viruses that cause water-borne diseases and provides safe drinking water



**Product Purification Life**  
Gives 7500 litres of safe, bacteria free drinking water.



**In-Built Indicator**  
To indicate when the unit life is over



**Free Adaptor Inside**  
Designed to fit any tap size

## Awards



Best Complete Domestic  
Water Management Solutions Provider  
"Domestic & Institutions - 2015-2016"

### Water Digest Water Awards in association with UNESCO

- Best Complete Water Management Solutions Provider - Domestic and Institution (2013-14, 2014-15, 2015-16, 2016-17, 2017-18)
- Best Water Treatment - 'Water Treatment Chemicals' (2012-13, 2016-17)
- Best R&D and Technological Breakthrough - ZeroB eco RO (2012-13)
- Complete Domestic Water Solutions Provider (2011-12)
- Distinguished Industrial Water Treatment Project (2011-12)



Best Complete Domestic  
Water Management Solutions Provider  
"Domestic & Institutions - 2016-2017"

### Water Digest Water Awards in association with UNESCO

- Best Water Treatment - Water Treatment Chemicals (2010-11)
- Best Water Treatment Project - Industrial (2010-11)
- Distinguished Water Purifier - RO (2009-10)
- Best Water Treatment - Chemicals (2008-09)
- Best RO Purifier (2006-07, 2007-08)
- Best Water Conservator - Waste Water Management (2006-07, 2007-08, 2008,09)
- Best Water Company with UNESCO (2006-07, 2007-08, 2008-09, 2009-10, 2011-12, 2012-13, 2013-14, 2014-15)

### Frost and Sullivan

- 'Voice of Customer' in the Product Excellence in Water Treatment Chemicals Category (2010)
- India Excellence in Chemicals, Materials and Food Award.
- 'Market Penetration Leadership' in the Water and Wastewater Services Vertical (2010)
- Best Company in Water & Waste Water Treatment Segment (2009)
- Environment Excellence Awards
- Made in India Best Water Company (Pvt. Sector) (2016-17)





## Our Production Facilities



Ankleshwar, Gujarat for Ion Exchange Resins.



Hosur, Tamil Nadu for Packaged water and waste water treatment systems.



Patancheru, Telangana for specialty chemicals.



Verna, Goa for packaged pre-engineered water treatment plants and membranes.



Rabale, Maharashtra for custom-built plants & EOU.



Wada, Maharashtra for engineered composites and structures.

## Our Research and Development



- In-House R&D since 1965
- Recognised by Department of Science & Technology in 1976
- R&D centres
- For Chemicals at Patancheru, Telangana.
- For Engineering at Rabale, Maharashtra.
- Over 80 specialists working on R&D
- Over 10 Patents
- Over 100 Products Launched



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**Notes**

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**Ion Exchange (India) Ltd.**

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