



ION EXCHANGE
Refreshing the Planet

GET SAFE AND
PURE DRINKING WATER
AT YOUR WORKPLACE

COLD



HOT



NORMAL



PUREST WATER
at your desired temperature!

AVAILABLE IN **RO & UV**





Ion Exchange (India) Limited is a pioneer in water treatment. Today, the company has a global presence and is heralded as one of Asia's largest companies in water & environment management. For last 57 years Ion Exchange has pioneered many path-breaking innovations in the field of technology and marketing to provide one stop water treatment solution for Industries, Hotels, Homes, Offices and Communities.

Today, we have complete range of technologies, processes and products that only few companies in the world can provide. Most of our company's products are ahead of their time and lead the industry in developing sound technologies. Our all the production facilities are ISO 9001 / 14001 certified.

India's only Water Cooler with inbuilt purifier (RO / UV) that has unique features and with user interface:



Warm



Cold



Normal

eco Chill - RO/UV



Cold



Normal

eco Chill - RO/UV

This is an ideal product for industries, corporate houses, educational institutions, hotels, cafeterias, etc. Zero B eco Chill water purifier cum storage cooler can be conveniently connected to any existing water line to produce a continuous supply of safe & pure drinking water at your desired temperature. Thus it creates a healthier, happier and more productive working environment. Zero B eco Chill RO: India's only RO purifier that comes with the revolutionary "HRR Technology" that reduces 80% of water wastage & saves substantial amount of water as compared to other commercial RO products. (as per NGT & Supreme Court norms)

Zero B Chill UV: India's only 6 stage UV purifier that is equipped with ESS Technology to protect the purified stored water 24 x 7 by auto sanitization and thus prevents slime build up in cooler tank.



Awarded "Best Water Treatment Solutions Provider and "Best Research Innovation award" by Water Digest Award in association with UNESCO & WQA (2019 - 2020)

STAGES OF PURIFICATION

1 FILTRATION

Imparts high clarity to water. A robust (20 inch) 10 micron sediment filter is the first stage of purification process. This filter removes suspended particles from the water.

2 ACTIVATED CARBON BLOCK FILTER

Makes the water crisp to taste The activated carbon filter removes most of the organic impurities, color odour from the incoming water.

ZERO B ECO CHILL RO

3 ULTRA LOW FOULING REVERSE OSMOSIS MEMBRANE

Makes water pure, safe and crystal clear. High quality membrane removes around 90% of TDS (Total Dissolved Solids like calcium, magnesium, fluoride copper, sodium) and also removes bacteria, viruses, harmful chemicals such as endotoxin, also cancer causing pesticide residues from inlet water.

4 WATER SAVER CARTRIDGE

Saves precious water: This unique WSC promotes extra high water recovery by generating active ingredients that keep the surface of the membrane clean thereby recovering 55 to 60% inlet water (conventional RO purifiers recover 25 to 30% water only).

5 TASTE ENHANCER CARTRIDGE

Enhances the Taste of Water: This cartridge improves the taste of water by correcting pH value of purified water.

ZERO B CHILL UV

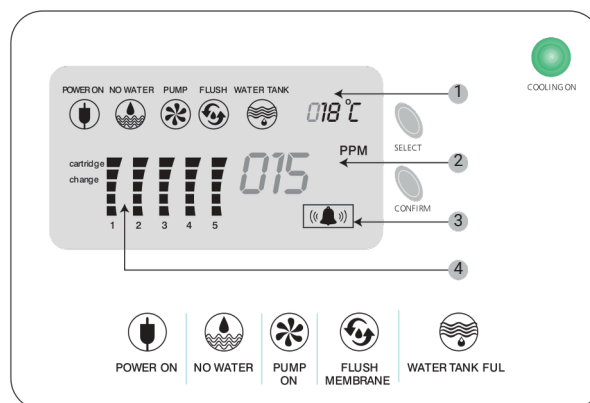
6 UV MODULE

This highly filtered water passes through UV purification chamber. UV purifier deactivates/paralyses disease causing bacteria and viruses by disrupting genetic cell material. UV disinfection does not form toxic disinfection by products. Provides safe non chemical disinfection.



DYNAMIC MONITOR AND CONTROLLER (DMC) SYSTEM

The newly developed machine comes with a unique customized DYNAMIC MONITOR AND CONTROLLER (DMC) system that displays different features. These special features inform the user of the quality of water, temperature of water and an early warning on the remaining life of the filter elements for planned cartridge replacement.



- 1 Temperature outflowing water
- 2 TDS indicator
- 3 Alarm for no inlet water
- 4 Cartridge life & service call indicator

Zero B eco Chill Water Cooler vs Conventional Cooler

(RO + HRR + ESS / UV + ESS)



	Zero B eco Chill Water Cooler	Conventional Water Cooler
	Upto 70% Water Saver RO Purifier. A phenomenal water purifier that assures the highest water recovery of 70% and water saving innovation with 8 stage purification process.	Water recovery is only 30% of the inlet water.
	World 1st 6 stage UV water purification system which eliminates disease causing bacteria & viruses by disrupting genetic cell & also prevents photo reactivation of microbes.	Photo reactivation, improper flow conditions, scaling on quartz glass, turbidity and voltage fluctuations can result in inefficient purification. Some pathogens can reactivate in presence of light.
	Protects the purified water from recontamination in water storage tank. It prevents slime formation in the cooler water tank hence ensuring 24x7 protection by auto sanitization.	Water gets re-contaminated after a few days. No post purification protection.
Spalshproof Separate MCB Devices 	Eco Chill has two separate splashproof MCB devices for refrigeration and RO modules, making it more user-friendly.	Usually, this feature is either absent or not approachable due to installation constraints.
Tank Level Indicator 	The tank level gauge attached alongside the storage tank indicates the level of purified water. Thus avoid opening the lid of the water cooler.	Not available and as a result user has to open the lid and find out water level leading to the entry of sand & insects in water tank.
Power Flushing 	Ensures Auto flushing of RO membranes frequently thus enhancing the life of membrane.	Flushing not frequently, burden on membrane results in early expiry.
Service Friendly 	Easy for servicing <ul style="list-style-type: none"> • DMC panel helps to know the problem • Can move 3600 because of 4 wheels • Front loading engine helps to repair the unit at place 	Difficult task for servicing.
Electronic Dual Level Sensor 	One of the key features of Eco chill is having dual water level control sensor which checks water level in tank as well as ensures that RO doesn't start till water level goes below the second sensor, also avoiding plastic float valve in tank.	RO keeps on switching on and off with every glass of water dispensed, hence increasing risk of RO unit's life. Using of plastic float valve leads to algae formation inside the tank.
Warm, Cold, Normal 	Gives pure and safe drinking water at warm, cold and normal temperature.	Only produces cold water.

TECHNICAL SPECIFICATIONS

PARAMETERS	60-80-50 LPH Cold-Normal with Display	150-150-150 LPH Cold-Normal with Display	40-120-150 LPH (Warm-Cold-Normal)	20-80-50 LPH (Warm-Cold)
Water Storage Capacity - Warm	—	—	40 liters	40 liters
Water Storage capacity - Cold	80 liters	150 liters	40 liters	40 liters
Water Storage Capacity - Normal	8 ltrs - Online	8 ltrs - Online	40 liters	
Water Cooling Capacity (@Rated conditions)	40 LPH	150 LPH	40 LPH	40 LPH
Water Cooling Rate (17°C temperature per hr)	60 LPH	150 LPH	60 LPH	60 LPH
Water Heating Capacity	—	—	40 LPH 1 KW Geyser & recirculation based system	40 LPH 1 KW Geyser & recirculation based system
No. of Faucet	2 faucet (cold-normal)	—	3 faucet (Warm - Cold - Normal)	2 faucet (Warm - Cold)
Water Heating Temperature	—	Inlet water temperature to 80°C adjustable		
Water Cooling Temperature	Inlet water temperature to 13.5°C adjustable			
INDICATIONS				
Dynamic Monitor And Controller (DMC)	Blue backlit LCD display indicating : Temprature,TDS, bar graph for Cartridge life, Pump status, No Water ,Flushing of membranes.			
Chiller Indicator	Indicates cooling ON			
Outer Body Material	Full SS 204 Cu Long term durability			
Storage Tank Material	Food Grade Steel SS 304			
Outer Body Dimensions (LXWXH)(mm)	680 x 720 x 1460	835 x 665 x 1500	1155 x 575 x 1335	850 x 650 x 1440
Outer Body Dimensions (LXWXH)(In Inch)	26.5 x 28.5 x 57.5	33 x 26 x 59	45.5 x 22.5 x 52.5	33.46 x 25.60 x 56.69
Net Weight in kg	83 kgs ± 2 kgs	130 kgs ± 2 kgs	119 kgs ± 2 kgs	97 ± 5Kgs
Compressor Make	Emerson /Tecumseh			
Refrigeration - Green (eco) gas	R-134 A Green Gas			
Inlet Water Temprature limit	5 ~ 45 ± 2°C			
Drinking Water Temp.	From Faucet 15 ± 2 T			
Thermal insulation for Storage tank	PUF			
Operating Voltage	230 ± 10% V AC, 50Hz			
Current in Amps (Max.)	3.5 ± 0.5A	7 ± 0.5A	7 ± 0.5A	6.5 ± 0.5 A
Power Consumption in Watts (Max)	700W	1.7 KW	1.3 ± 0.1 KW	1 KW
REVERSE OSMOSIS PURIFIC				
Purification Capacity	Up to 501U/hour*	Up to 150 ltr/hour*	Up to 150 ltr/hour*	Up to 50 ltr/hour*
Reduction of TDS (%))	Up to 90-95%			
Pure Water Recovery	Up to 70%			
RO Membrane Flushing	Power flushing of filter elements @ every 15 mins interval			
Recommended Total Dissolved Solids in Input	1500 ppm (Max)			
Recommended Hardness in Input Water	500ppm (Max)			
Reomended pH of Input Water	6.5 to 8.5			
Recommended Chlorine in Input Water	NIL			
Recommended Iron in Input Water	NIL			
Turbidity	< 5 NTU (Max)			
PURIFICATION STAGES				
Sediment Filter	Dedicated 10 micron 20" filter			
Carbon Filter	Activated carbon block - 10 micron, 10" filter	Activated carbon block - 10 micron, 20" filter	Activated carbon block - 10 micron, 20" filter	Activated carbon block - 10 micron, 20" filter
Water Saver Cartridge	10" Nova cartridge	20" Nova cartridges	20" Nova cartridges	20" Nova cartridges
RO Membrane	300 x 1+ 100 x 1 GPD	300 x 3 + 100 x 1 GPD	300 x 3 + 100 x 1 GPD	300 x 1+ 100 x 1 GPD
Taste Enhancer Cartridges	PH Correction cartridges			
Auto Sanitizer - Storage Tank	E SS -Electrolytic system sanitizer, Protect tank water from bacterial growth			
Product Certification	Product water meets USEPA and IS 10500 drinking water standards			

Product water meets USEPA and IS 10500 drinking water standards for bacteriological quality.

The specification, design and information in this brochure are subjected to change without prior notice due to continuous innovations.

Although good quality water filters are used in these products still life of filters and cartridges majority depend on the type of impurities present in the inlet water.

* Under standard test conditions



TECHNICAL SPECIFICATIONS

PARAMETERS	60-80-120 LPH Cold-Normal with Display	150-150-240 LPH Cold with Display	40-120-120 LPH (Warm-Cold-Normal)	20-80-120 LPH (Warm-Cold)
Water Storage Capacity - Warm	—	—	40 liters	40 liters
Water Storage Capacity - Cold	80 liters	150 liters	40 liters	40 liters
Water Storage Capacity - Normal	Online	—	40 liters	—
Water Cooling Capacity (@Rated conditions)	40 LPH	150 LPH	40 LPH	40 LPH
Water Cooling Rate (17°C Temperature per hr)	60 LPH	150 LPH	60 LPH	60 LPH
Water Heating Capacity	— 2 faucet (cold-normal)	2 faucet (cold-normal)	40 LPH 1KW Geyser & recirculation based system	40 LPH 1KW Geyser & recirculation based system
No. of Faucet	—	—	3 faucet (Warm - Cold - Normal)	2 faucet (Warm - Cold)
Water Heating Temperature	Inlet water temperature to 80°C adjustable			
Water Cooling Temperature	Inlet water temperature to 13.5°C adjustable			
INDICATIONS				
Dynamic Monitor And Controller (DMC)	LED Indicators —	Blue backlit LCD display indicating : Temperature,TDS, bar graph for Cartridge life, Pump status, No Water		
Chiller Indicator		Indicates cooling ON		
Outer Body Material	Full SS 204 Cu Long term durability			
Storage Tank Material	Food Grade Steel SS 304			
Outer Body Dimensions (LXWXH)(mm)	680 x 720 x 1460	835 x 665 x 1500	1155 x 575 x 1335	850 x 650 x 1440
Outer Body Dimensions (LXWXH)(In Inch)	26.5 x 28.5 x 57.5	33 x 26 x 59	45.5 x 22.5 x 52.5	33.46 x 25.60 x 56.69
Net Weight in kg	83 kgs ± 2 kgs	130 kgs ± 2 kgs	119 kgs ± 2 kgs	97 ± 5Kgs
Compressor Make	Emerson /Tecumseh			
Refrigeration - Green (eco) gas	R-134 A Green Gas			
Inlet Water Temprature limit	5 ~ 45 ± 2°C			
Drinking Water Temp.	15 ± 2°C			
Thermal insulation for Storage tank	PUF			
Operating Voltage	230 ± 10% V AC, 50Hz			
Current in Amps (Max.)	3.5 ± 0.5A	5.5 ± 0.5A	4 ± 0.5A	4 ± 0.5 A
Power Consumption in watts (Max)	700W	1.7 KW	1 KW	1 KW
UV PURIFICATION				
Purification Capacity	120 lph	240 lph	120 lph	120 lph
Pure Water Recovery	100%			
Recommended Total Dissolved Solids in Input	500 ppm (Max)			
Recommended Hardness in Input Water	200ppm (Max)			
Reommended pH of Input Water	6.5 to 8.5			
Recommended Chlorine in Input Water	NIL			
Recommended Iron in Input Water	NIL			
PURIFICATION STAGES				
Sediment Filter	Dedicated 10 microm 10" filter	Dedicated 10 microm 20" filter	Dedicated 10 microm 10" filter	Dedicated 10 microm 10" filter
Carbon Filter	Activated carbon block - 10 micron, 10" filter	Activated carbon block - 10 micron, 20" filter	Activated carbon block - 10 micron, 10" filter	Activated carbon block - 10 micron, 20" filter
Water Saver Cartridge	10" Nova cartridge	20" Nova cartridges	20" Nova cartridges	20" Nova cartridges
UV Modules	11 Watts	16 Watts	11 Watts	11 Watts
Taste Enhancer Cartridges	PH Correction cartridges			
Auto Sanitizer - Storage Tank	E SS - Electrolytic system sanitizer, Protect tank water from bacterial growth			
Product Certification	Product water meets USEPA and IS 10500 drinking water standards			

Authorized distributor



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