

**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

Zero B has taken utmost pride in safeguarding families, houses, businesses and smiles from the perils of impure water for more than 50 years

Zero B, the Flagship brand of Ion Exchange (India) Ltd., with its strong national & international presence, has emerged as a premier water and environment management company. Zero B 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 Zero B, 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 Zero B products is tested and certified by several laboratories across the country 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.

Awarded



Best Water Treatment Systems
(Softener Category)



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



Best Complete Domestic Water Management
Solutions Provider "Domestic & Institutions"



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

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 VISION

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

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 well-being of the community

Awards



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

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, 2018-19)
- 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



ZERO B™
PURE WATER SOLUTIONS



Chill RO

Now purity, coolness & freshness flow into your world.

RO water purifier cum storage cooler (HRR + RO + ESS)

Zero B eco Chill RO:

Zero B eco Chill water cooler comes with RO Technology. It comprises of an efficient, powerful, sturdy cooling and warm water system, there are different variants out of which flagship model of Ion Exchange offers 3 temperature combinations in water i.e. Warm, Normal & Cold and this makes Eco Chill unique solution for drinking water in all three seasons.

Features

- Sturdy in-built RO - This unit comes with sturdy in-built RO purifier.
- Storage water tank for purified water with high grade stainless steel.
- Smart visual alerts, DMC - A unique Dynamic Monitor and Controller gives beep for cartridge replacement and indicates quality of water, indicates water temperature (cold / warm water).
- Warm water setting for 45 - 80°C with temperature control for machine which dispense warm water
- Taste enhancer correction cartridge - a unique mineralizer gives you tasty water and also corrects pH of water

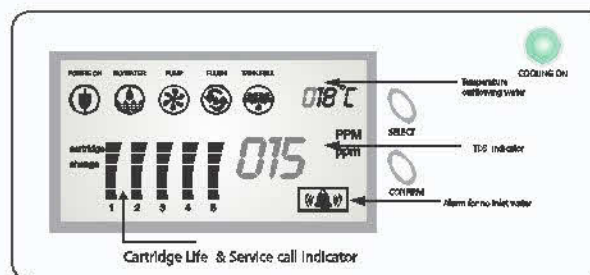


ESS - Patented and Certified Technology
Protects the purified water from recontamination and slime formation in storage water tank



HRR Technology
3x higher pure water recovery than other conventional RO purifiers

Pure Water Recovery
60% pure water recovery



5 Filter Monitor



Filter Replacement Indicator



Flash with Audio Beep for Remaining Cartridge Life



Higher Capacity



Electrolytic System Sanitizer



Technical Specifications of Zero B Eco Chill RO

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 1KW Geyser & recirculation based system	40 LPH 1KW Geyser & recirculation based system
No. of Faucet	2 faucet (cold-normal)	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 Dimenslons (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 Temperature limit	5 ~ 45 ± 2°C			
Drinking Water Temp. From Faucet	15 ± 2 °C			
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



Technical Specifications of Zero B Eco Chill RO

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)
REVERSE OSMOSIS PURIFICATION				
Purification Capacity	Up to 50 ltr/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)			
Reommended 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 microm 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 cartridge	20" Nova cartridge	20" Nova cartridge
RO Membrane	300 x 1 + 100 x 1GPD	300 x 3 + 100 x 1GPD	300 x 3 + 100 x 1GPD	300 x 1 + 100 x 1GPD
Taste Enhancer Cartridges	PH Correction cartridges			
Auto Sanitization - Storage Tank	ESS -Electrolytic system sanitizer, Protect tank water from bacterial growth and external contamination			
Product Certification	Product water meets USEPA and IS 10500 drinking water standards			

Product water meets USEPA and IS 10500 drinking water standard for bacteriological quality

The specification, design and information in this broucher are subjected to change without prior notice due to continue innovations

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



ZERO B™
PURE WATER SOLUTIONS



Chill UV

Now purity, coolness & freshness flow into your world.

UV water purifier cum storage cooler (UV + ESS)

Zero B eco Chill UV:

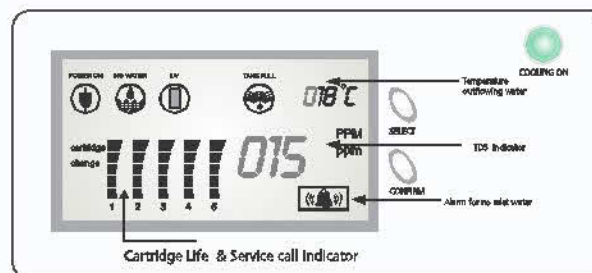
Zero B Eco Chill water cooler comes with UV + ESS Technology. It comprises of an efficient, powerful, sturdy cooling and warm water system, there are different variants out of which flagship model of Ion Exchange offers 3 temperature combinations in water i.e. Warm, Normal & Cold, and this makes Eco Chill unique solution for drinking water in all three seasons.

Features

- Sturdy in-built UV - This unit comes with sturdy in-built UV purifier.
- Storage water tank for purified water with high grade stainless steel.
- Smart visual alerts, DMC - A unique Dynamic Monitor and Controller gives beep for cartridge replacement and indicates quality of water, indicates water temperature (cold / warm water).
- Warm water setting for 45 - 80°C with temperature control for machine which dispense warm water

ESS - Patented and Certified Technology
Protects the purified water from recontamination and slime formation in storage water tank

Next Gen UV Technology
The UV Technology paralyses diseases causing bacteria & Viruses by disrupting genetic cell & give pure and safe drinking water



5 Filter Monitor



Filter Replacement Indicator



Flash with Audio Beep for Remaining Cartridge Life



Higher Capacity



Electrolytic System Sanitizer



Technical Specifications of Zero B Eco Chill UV

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	40 LPH	40 LPH
Water Heating Capacity	-	-	40 LPH 1KW Geyser & recirculation based system	40 LPH 1KW Geyser & recirculation based system
No. of Faucet	2 faucet (cold-normal)	2 faucet (cold)	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	80 kgs ± 2 kgs	115 kgs ± 2 kgs	100 kgs ± 2 kgs	85 ± 5Kgs
Compressor Make	Emerson /Tecumseh			
Refrigeration - Green (eco) gas	R-134 A Green Gas			
Inlet Water Temperature limit	5 ~ 45 ± 2°C			
Drinking Water Temp. From Faucet	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



Technical Specifications of Zero B Eco Chill UV

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)
UV PURIFICATION				
Purification Capacity	120 lph	240 lph	120 lph	
Pure water recovery	100%			
Recommended Total Dissolved Solids In Input	500 ppm (Max)			
Recommended Hardness in Input Water	200 ppm (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
UV Modules	11 Watts	16 Watts	11 Watts	11 Watts
Auto Sanitizer - Storage Tank	ESS -Electrolytic system sanitizer, Protect tank water from bacterial growth and external contamination			
Product Certification	Product water meets USEPA and IS 10500 drinking water standards			

Product water meets USEPA and IS 10500 drinking water standard for bacteriological quality

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

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



Get chilled & hot water instantly with Zero B IcyHot

India's 1st water dispenser that comes with two variants:
RO + HRR + ESS and UV + ESS

Zero B icyHot, water dispenser is a sleek and well styled unit that delivers purified and protected water in hot, cold and normal options. This is well suited for offices, institutions, high end retail outlets for serving cold as well as hot water for tea and coffee making.

Zero B icyHot RO comes with Inbuilt High recovery RO purifier and also backed with patented ESS technology sanitizing feature. The Eco RO technology is the state of art water saver RO purifier that saves almost 80% water as compared to other conventional RO purifiers.

Zero B icyHot UV comes with inbuilt UV and ESS. UV is well accepted non chemical disinfection technology which deactivates bacteria and viruses. In conventional UV purifying systems, even the purest UV purified water that is stored in bottles or in containers can get recontaminated due to build up of slime or bacterial growth. The ESS technology incorporated in the product takes care of all above drawbacks.

Product Features



HRR Technology

Reduces wastage of water and provides 3 times higher recovery than any other conventional RO purifiers, 70% pure water recovery & 30% reject water



UV Module

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



Auto Sanitizing

The unique electrolytic sanitizing system (ESS) technology inside the product protects the purified water from recontamination and also prevents slime formation in storage water tank hence ensuring 24x7 protection.



Beautiful Aesthetics

Sleek and elegantly styled water purifier best fitting your place with easy to use functions and zero leakage that provide fresh and pure water



Ease of Serviceability

The water dispenser incorporates an easy to access purification module which makes the servicing quick and easy.



Backlit Indication

Soft backlit indications for power, heating and cooling for easy handling.



Hot Water

For drinking, helps in digestion and detoxifies the body. Easy to make tea/coffee.



Child Lock

It locks the hot water spout to ensure safety.

Technical Specifications of Zero B IcyHot

TECHNICAL SPECIFICATIONS	RO		UV	
	ICYHOT PRO	ICYHOT JUMBO	ICYHOT PRO	ICYHOT JUMBO
Water storage capacity - Hot	1.1 liters		1.1 liters	
Water storage capacity - Cold	3.3 liters	20 liters	3.3 liters	20 liters
Water storage capacity - Normal	8 liters	20 liters	Online	20 liters
Water Cooling Capacity (@Rated conditions)	2 L/H, 8°C - 15°C	20 LPH	2 L/H, 8°C - 15°C	20 LPH
Water Heating Capacity	5 LPH	5 LPH	5 LPH, 85 -95°C	5 LPH, 85 -95°C
No. of Faucet	3 faucet Hot - Cold - Normal		3 faucet Hot - Cold - Normal	
Water heating temperature	85 -95°C		85 -95°C	
Water cooling temperature	Inlet water temperature to 13.5°C adjustable		Inlet water temperature to 13.5°C adjustable	
	INDICATIONS			
Dynamic monitor and controller (DMC)	LED Indicators Red-Blue : Flasher LED Power ON : Red LED Cooler ON : Blue LED Heater ON : Red LED	Blue backlit LCD display Indicating : Temperature, TDS, bar graph for Cartridge life, Pump status, No Water , Flushing of membranes	LED Indicators Red-Blue : Flasher LED Power ON : Red LED Cooler ON : Blue LED Heater ON : Red LED	Blue backlit LCD display Indicating : Temperature, TDS, bar graph for Cartridge life, Pump status, No Water , Flushing of membranes
Chiller Indicator	Indicates cooling ON		Indicates cooling ON	
Outer Body Material	Front middle panel – SS 204 cu, all others - GPSP powder coated	Front – SS 204 cu, all other sides - GPSP powder coated	Front middle panel – SS 204 cu, all others - GPSP powder coated	Front – SS 204 cu, all other sides - GPSP powder coated
Storage Tank Material	Food Grade Steel SS 304		Food Grade Steel SS 304	
Outer Body Dimensions (LXWXH)(mm)	495 x 385 x 1385	625 x 650 x 1635	495 x 385 x 1385	625 x 650 x 1635
Outer Body Dimensions (LXWXH)(In Inch)	19.50 x 15.15 x 54.52	24.60 x 25.60 x 64.40	19.50 x 15.15 x 54.52	24.60 x 25.60 x 64.40
Net Weight in kg	52 kgs	105 kgs	45 kgs	95 kgs
Compressor Make	Emerson / Tecumseh		Emerson / Tecumseh	
Refrigeration - Green gas	R-134 A Green Gas		R-134 A Green Gas	
Inlet Water Temperature limit	5 ~ 45 ± 2°C		5 ~ 45 ± 2°C	
Drinking Water Temp. From Faucet	15 ± 2 °C		15 ± 2 °C	
Thermal Insulation for Storage tank	Thermocol insulation	PUF	Thermocol insulation	PUF
Operating Voltage	230 ± 10% V AC, 50Hz		230 ± 10% V AC, 50Hz	
Current in Amps (Max.)	3.2±5% Amp	4.5±5% Amp	3.2±5% Amp	4.5±5% Amp
Power Consumption in watts (Max)	650±5%	970±5%	620±5%	950±5%

Technical Specifications of Zero B IcyHot

TECHNICAL SPECIFICATIONS		RO		UV	
PURIFICATION	RO PURIFICATION		UV PURIFICATION		
	Purification Capacity	10 LPH	50 LPH	120 LPH	
	Reduction of TDS (%)	90 - 95%	90 - 95%	NA	
	Pure water recovery	upto 70%		100%	
	RO Membrane Flushing	Power flushing of filter elements @ every 15 mins interval		NA	
	Recommended Total Dissolved Solids In Input	1500 ppm (Max)		500 ppm (Max)	
	Recommended Hardness in Input Water	500ppm (Max)		200ppm (Max)	
	Recommended PH of Input Water	6.5 to 8.5		6.5 to 8.5	
	Recommended Chlorine In Input Water	NIL		NIL	
	Recommended Iron In Input Water	NIL		NIL	
Turbidity	< 5 NTU (Max)		< 3 NTU (Max)		
PURIFICATION STAGES					
Sediment Filter	Dedicated 10 micron 9" filter	Dedicated 10 micron 20" filter	Dedicated 10 micron 10" filter	Dedicated 10 micron 10" filter	
Carbon Filter	Silver Impregnated Bacteriostatic Activated carbon block - 10 micron, 9" filter	Activated carbon block - 10 micron, 20" filter	Silver Impregnated Bacteriostatic Activated carbon block - 10 micron, 10" filter	Activated carbon block - 10 micron, 20" filter	
Water Saver Cartridges	9" Nova cartridges	20" Nova cartridges	NA		
RO Membrane	100 GPD x 1	100 GPD x 4	NA		
UV Modules	NA		11 Watts		
Taste Enhancer Cartridges	PH Correction cartridges		NA		
Auto Sanitizer - Storage Tank	ESS - Electrolytic Electronic sanitizing system, Protect tank water from bacterial growth		ESS - Electrolytic Electronic sanitizing system, 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		

Product water meets USEPA and IS 10500 drinking water standard for bacteriological quality. The specification, design and information in this brochure are subjected to change without prior notice due to continue innovations. Although good quality water filters are used in these products still life of filters and cartridges majorly depend on the type of impurities present in the inlet raw water.



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	250 LPH
Purification flow rate	50* Litres / Hour	100* Litres / Hour	150* Litres / Hour	250* Litres / Hour
Recovery of pure water	Up to 70%	Up to 70%	Up to 70%	Up to 70%
Rejection of salts (TDS)	Up to 95%	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)	1500 ppm (Subject to hardness of inlet water, less than 500 ppm)
Water saver cartridge	20"	20"	20"	20" Nova cartridge X 2
Post RO purification	ESS	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.	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	900 x 600 x 1450
Unit weight (Kg)	32	34	36	42
Maximum recommended output	300 Litres / Day	600 Litres / Day	900 Litres / Day	1500 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.

70%

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



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.

*Under standard test conditions



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.
- 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 (only for 100 & 150 LPH models)

Technical Specifications

Model	25 LPH	50 LPH	100 LPH	150 LPH
Purification flow rate	25* Litres / Hour	50* Litres / Hour	100* Litres / Hour	150* Litres / Hour
Inlet pressure (Min.-Max.) in Kg/cm ²	0.5-2.0	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%	Up to 95%
Recovery of pure water	Up to 35%	Up to 40%	Up to 40%	Up to 40%
Sediment filter	10 Micron	10 Micron	10 Micron	10 Micron
Activated Carbon Filter	10"	20"	20"	20"
UV purification	-	-	11 Watts	11 Watts
RO membrane	1812 x 3	1812 x 4	4014 x 2	4021 x 2
Softener	-	-	500 LPH	-
Dimension (L x W x H) (mm)	300 x 300 x 540	450 x 470 x 895	450 x 470 x 895	450 x 470 x 895
Power consumption	60 Watts	120 Watts	1.2 Kw (Max.)	1.2 Kw (Max.)

*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
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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



Unique Power RO gives you safe and pure water at high TDS upto 3000 ppm

RO purifier for offices, institutions etc.

Technical Specifications of Power RO

Parameters	Specifications
Purification	Reverse Osmosis purification for High TDS RO
Purification capacity	Up to 50 LPH
Purification stages	5
Sediment filter	Dedicated 10 micron 20" filter
Carbon filter	Activated carbon block 10 micron 20" filter
Nova cartridge 150	20" Nova cartridge
RO membrane	1812 x 4 High TDS RO membranes
Auto sanitizer	ESS - Electrolytic System Sanitizer
Rejection of salts (TDS)	Up to 90%
Recovery	Up to 35%
Power flushing	Yes
Dynamic Monitor and Controller (DMC)	Blue backlit LCD display indicating temperature, TDS, bar graph for cartridge life, pump status, no water, flushing of membrane
Electric Supply	
Operating voltage	230±10% VAC
Power consumption (W)	350
Inlet Water Conditions	
Inlet opening	1/2" BSP thread connection
Feed water TDS (PPM)	3000 max
Turbidity (NTU)	Less than 5
Total hardness (PPM)	1000 max
Free Chlorine (PPM)	Less than 20
Iron and Manganese (PPM)	Nil
Oil and Grease (PPM)	Nil



Unique RO

Delivers pure drinking water at High TDS up to 3000 ppm



Smart Visual Alerts

Dynamic Monitor and Controller gives early warning for planned replacement of cartridges, displays quality of water



Unique Nova Cartridge

Enables high performance at high TDS and high hardness up to 1000 ppm



SMPS

(Switched Mode Power Supply) ensures consistent performance of the purifier at unstable voltages



SS Sanitary Finish Enclosure

The cabinet comes with a superior matt finish SS frontal with base wheels for mobility of RO system

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* Under standard test conditions



Zero B UV Grande provides safe and pure water, hence ensuring healthy life.

Zero B 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 4 stage UV water purification system paralyses disease causing bacteria and viruses by disrupting genetic cell
- Hexapure Technology - Ensures pure and safe drinking water
- Wall Mount Model - Saves your valuable space
- LED Smart Indicator - Indicates the health of water purifier and water quality

Technical Specifications

Model	4L	10L
Output flow rate	4 Litres / Min	8-10 Litres / Min
Inlet pressure (Min. - Max.)	0.5 - 2 Kgs / cm ²	1-2 Kgs / cm ²
Power consumption	30 Watts	60 Watts
UV lamp	16 Watts	16 Watts 2 No's
Product Dimension (W x D x H)	382 x 190 x 450 mm	310 x 440 x 220 mm
Weight (Net)	6 Kgs	16.5 kg

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*Under standard test conditions



Next Gen UV Technology

The UV technology paralysis diseases causing bacteria and viruses by disrupting genetic cell & give pure and safe drinking water



ESS - Patented and Certified Technology

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



Wall Mount

Saves your valuable space



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.

Technical Specifications

Output flow rate	4 Litres / Min
Cartridge life	40,000 Litres
Working pressure (Min. - Max.) (Kg/cm ²)	0.5 - 2.0
Product dimension (L x W x H) (mm)	445 x 145 x 445
Weight (Kg)	3.8 (approx.)

*Under standard test conditions.

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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 the absence of chlorine



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



Water Vending Machine : Water Dispenser unit (Card Swiping & Coin insert both the model is available)

- The WVM will operate with an authorized RFID card only
- The RFID card will store data on water dispensing (Besides data inside machine)
- Business data will be transmitted through its RS485 and GSM to a remote PC / Tablet or Smart phone on a determined time interval.
- Data on Total water sold, break up of sales in terms of glasses or bottles can be accessed locally or remotely.
- Any of the 3 dispensing faucets can be flexibly altered or set to dispense a desired volume of water

Features

- Manned vending machine capable of delivering pure, safe and tasty drinking water in chilled water options
- High recovery process The built in RO system comes with the revolutionary, HRR technology. that saves substantial amount of water as compared to other commercial RO products.
- Auto sanitizer ESS - A patented Electrolytic Sanitizing System not only sanitizes entire purifier system but also ensures that the water stored in tank remains pure and safe for almost a week
- Intelligent micro controller based dispensing system to dispense exact quantity of water required In 5 litres, 2 litres, 1 litre, 500 ml or 300 ml options for WVM 200 LPH and 5 litres, 1 litre , 500 ml or 300 ml options for WVM 50L.
- Taste Enhancer cartridge - This mineralizer corrects the pH of water and improves taste of water
- Optional bubble top dispenser where the online raw water supply is not available



HRR Technology

3 times higher pure water recovery than any other conventional RO products



ESS - Patented and Certified Technology

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

Technical Specifications

Parameters	WVM 50 LPH	WVM 200 LPH
Chiller capacity	80 litres	150 litres
Outer body material	Fully stainless steel (SS)	
Storage tank material	Food grade steel (SS304)	
Compressor	EMERSON/TECUMSEH	
Operating temperature	5-45° +/- 2°C	
Refrigerant	R 134A	
Water outlet temp at 35°C	15°C +/- 2°C	
Product water storage tank capacity	50 LPH	200 LPH
Weight	85 Kg + 3 Kg	150 Kg approx.
Over all dimensions (mm)	630 x 665 x 1260	840 x 800 x 1575
Installation	Floor standing	
Control module (micro controller based)	300 ml, 500 ml, 1 litre, 2 litres, 5 litres push button. (Data on no. of cups, bottles sold or consumed per day and/or per month)	300 ml, 500 ml, 1 litre, 2 litres, 5 litres push button. (Data on no. of cups, bottles sold or consumed per day and/or per month)
Inlet water conditions		
Raw water connection pipe size	½" line (13 mm) with minimum of 1 Kg/cm² pressure	
Inlet pressure	1.0 - 2.0 Kg/cm²	
Purification Flow	50 Litres / Hour* @ 500 TDS	200 Litres / Hour* @ 500 TDS
Rejection of salts (TDS)	85 - 90%	
Recovery	Up to 70% (Ratio of good water / bad water)	
Power flush	Enhanced membrane life	
Electrical specifications		
Power voltage	230+10% VAC, 50Hz, 3 AMP (Max.)	230 +10% VAC, 50Hz, 15 AMP (Max.)
Current in Amps. (Max.)	3, ± 0.5 AMP	7, ± 0.5 AMP
Power consumption	600 W Max.	2 KW Max.
Pump voltage	48VDC	230 VAC

Technical Specifications

Purification stages		
Sediment filter	Dedicated 10 micron 20" filter	
Carbon block	Activated carbon block 10 micron, 20" filter.	
Water saver cartridge	20" water saver cartridge	
Sediment filter	Dedicated 10 micron 8" filter, Single Nozzle.	
RO membrane	300 GPD X 1 and 100 GPD X 1	300 GPD X 4
Taste enhancer cartridge	Ph correction cartridge	
Auto sanitizer	ESS - Electrolytic System Sanitizer, protects water 24x7.	
Carbon block	Activated carbon block 10 micron, 10" filter.	
Indications	Cooler On - RED LED LAMP	

*Under standard test conditions.

*Product water meets USEPA and IS 10500 drinking water standards

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***ALSO UV MODEL - 200 LPH IS AVAILABLE IN WVM**

Now EDI for Every Lab



A multipurpose water maker

EDI BASED TYPE 2 & TYPE I WATER MAKER

Ion Exchange with over five decades of experience in providing innovative total water management solutions presents INDION Lab Q Ultra a multipurpose water maker. It produces Type I ultrapure water and Type II pure water simultaneously. The produced water has very low total organic carbon (TOC) content, meeting the requirements of liquid chromatography and all spectroscopy methods, besides microbiological and molecular biology applications. It also meets ISO 3696, Type I standards. Dispensing of ultrapure water is configured on the front panel whereas pure water is dispensed from the storage tank. For feed water with higher level of TDS i.e. > 500 ppm a customised pretreatment module can be designed prior to INDION Lab Q Ultra.

Features

- Self generating EDI based ten step purification process
- Online resistivity monitoring for product water quality
- AFD : Automatic flush device for periodic RO cleaning
- Dry run protection with feed pressure switch
- ESS : In built electrolytic auto sanitizer avoids chemical sanitization
- Option of 30 & 60 liter reservoir with air vent filter
- Integrated UV sanitization module for reservoir
- Easy dispensing with one touch user interface

Type 2 Water Applications

- Feed to polishing unit, autoclave, stability chambers, humidifiers and gas generators
- General glassware washing/rinsing
- Use in place of purified water
- Media preparation
- Dissolution and dilution
- Buffer preparation
- Chemical and Biochemical reagent preparation

Electropure EDI Benefits

- Thin-Cell Technology — This allows quality and higher efficiency
- Thin-Concentrate Technology — This design keeps the membrane surface clean and prevents fouling and scaling
- Non-fouling Electrode Technology — A proprietary design prevents scaling in the electrodes. It also uses a special anode technology to limit the production of chlorine, which lengthens the life of the EDI module

Type 1 Water Application

- Analytical - HPLC, GC, IC, ICP OES, ICP MS, LCMS, AA, TOC
- Life science - Genomics, Proteomics Immunology, Pharmacology, Cell & Tissue culture, Drug discovery

Performance Parameters

Parameters		Limits	
Nominal flow to storage tank		10 L/H	
Dispensing flow		1 - 1.5 l/min	
Pure water resistivity (Type I)		18.2 MΩ	
Pure water conductivity (Type I)		0.055 Microsiemens/cm	
Pure water resistivity (Type II)		> 10 MΩ	
Pure water conductivity (Type II)		< 0.1 Microsiemens/cm	
Endotoxin Level		< 0.001 EU/ml	
Particle > 0.22 µm		< 1 per ml	
Bacteria		< 0.1 CFU/ml	
Total Organic Carbon (TOC)*		< 5 ppb*	
Feed Water Specifications		Product Specifications	
Parameters	Limits	Parameters	Limits
TDS	500 ppm max.	Dimensions WxDxH (In mm)	450 x 250 x 500
Fe, Mn	NIL	Weight	13 kgs
Free Chlorine	NIL	Power Requirement	230 VAC ± 10%
Silica	< 20 ppm	Power Consumption	80 Watts
Intel pressure	0.5 - 2.0 Kg/cm ²		

*Under standard test conditions.

* TOC values achieved with feed water of less than 50ppb

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional / branch offices for current product specifications.

INDION® Is the registered trademark of Ion Exchange (India) Ltd.



A multipurpose water maker

INTIGRATED TYPE I + TYPE II WATER MAKER

Lab-Q Ultra produces Type I ultrapure water and Type II pure water simultaneously. The produced water has a very low total organic carbon content, which meets the requirements of liquid chromatography and all spectroscopy methods, besides microbiological and molecular biology applications. It also meets ISO 3696, Type I standards. Dispensing of ultrapure water is configured on the front panel whereas pure water is dispensed from the storage tank. For feed water with higher level of TDS i.e. >500 ppm a customized pretreatment module can be designed prior to INDION Lab-Q Ultra.

Features

- **Online resistivity metre** - Displays product water quality for continuous monitoring
- **Automatic flush device (AFD)** - Ensures periodic cleaning of the filter system
- **Integrated recirculation system** - Ensures consistent quality of water and reduces TOC to low levels (2-5 ppb)
- **Dry run protection** - Ensures protection of the pump when the inlet water is unavailable
- **Point-of-use filter** - Ensures compliance to microbial reduction values
- **Optional flexible dispensing** - Remote water dispenser which offers dispensing at various angles and height
- **Electrolytic auto sanitiser** - Ensures periodic sanitization of upstream purifying filters
- **High purity storage tank** - A built-in UV, protective air filter and high grade tank material ensures sustained purity while in storage

Technical Specifications

Feed Water Specifications	TDS	500 ppm max
	Fe, Mn.	NIL
	Free chlorine	NIL
	Silica	<20 ppm
	TOC	<3 ppm
	Inlet water pH	6.8 ~ 8.5
	Dissolved CO ₂	<3 ppm
	Inlet pressure	0.5 - 2.0 Kg / cm ²
Product Water Specification	Product flow to storage tank	10 LPH
	Dispensing flow	1 Ltr/min
	Pure water resistivity (Type I)	18.2 MΩ
	Pure water conductivity (Type I)	0.055 Microsiemens / cm
	Pure water resistivity (Type II)	>10 MΩ
	Pure water conductivity (Type II)	<0.1 Microsiemens / cm
	Endotoxin level	< 0.25 EU/ml
	Particle > 0.22 um	<1 per ml
	Bacteria	0.1 cfu / ml
	Total organic carbon (TOC)	<5PPB*

*Under standard test conditions.

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* IF THE FEED WATER IS < 50 PPB.



A multipurpose water maker

Type II Water Maker

INDION Lab-Q Smart (Type II) water maker produces pure water which is essential for creating reagents, microbiological buffers and media that are consistently pure. It is an excellent source of water for glassware washing and as feed for laboratory equipment such as autoclaves, laboratory dishwashers and water baths. It is also a recommended source of pretreated water for use in Type I ultrapure systems. It produces water with very low total organic carbon (TOC) content and conforms to ISO 3696 and corresponding ASTM standards.

Features

- **Online resistivity meter** - Displays product water quality for continuous monitoring
- **Automatic flush device (AFD)** - Ensure periodic cleaning of the system
- **Dry run protection** - Ensures protection of the pump when inlet water is unavailable
- **Easy accessibility of components** - All cartridges and filters are easily accessible and no special tool is required to replace them
- **Simple installation** - Simple to install, operate and maintain with a clear indication of water purity.
- **Electrolytic auto sanitizer** - Ensures periodic sanitization of upstream purifying filters
- **POU filtration** - Filter can be attached at the point of dispensing spout to ensure compliance to microbial reduction values.

Technical Specifications

Feed Water Specifications	TDS	500 ppm max
	Fe, Mn.	NIL
	Free chlorine	NIL
	Silica	<20 ppm
	TOC	<3 ppm
	Inlet water pH	6.8 ~ 8.5
	Dissolved CO ₂	<3 ppm
	Inlet pressure	0.5 - 2.0 Kg / cm ²
Product Water Specification	Product flow	10 LPH
	Pure water resistivity (Type II)	>10 MΩ
	Pure water conductivity (Type II)	<0.1 Microsiemens / cm
	Endotoxin level	<0.25 EU / ml
	Particle > 0.22 um	<1 per ml
	Bacteria	<1 cfu / ml
	Total organic carbon (TOC)	<50ppb

*Under standard test conditions.

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Instant pure & ultra pure water for multiple lab applications!

Available in 3 models of type I, II, III water.

Ion Exchanges's latest introduction, the Indion Lab-Q series has been designed to produce different grades of pure water for laboratory applications, instantly. Pure & ultra pure water is essential for creating chemical reagents, microbiological buffers, media, as feed water for laboratory equipment, etc.

Features

- **Online conductivity meter** - Displays product water quality for continuous monitoring
- **Automatic flush device (AFD)** - Ensures periodic cleaning of the filter system
- **Dry run protection** - Ensures protection of the pump when inlet water is unavailable.
- **Optional filtration** - Can be attached at the point of dispensing the spout to ensure compliance to microbial reduction values.

Advantages

- Provides an efficient alternative to buying and storing laboratory grade distilled water
- Compact and portable counter top model ensures optimal use of lab space
- Low operating cost
- Requires minimum maintenance

Technical Specifications

Feed Water Specifications	TDS	500 ppm max
	Fe, Mn.	NIL
	Free chlorine	NIL
	Silica	<20 ppm
	TOC	<3 ppm
	Inlet water pH	6.8 ~ 8.5
	Dissolved CO ₂	<3 ppm
	Inlet pressure	0.5-2.0 Kg/cm ²
Product Water Specification	Product Flow	10 LPH
	Pure Water Conductivity	< 1 Microsiemens
	Turbidity	<1 NTU
	Total Organic Carbon (TOC)	<200 ppb

*Under standard test conditions.

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Packaged Reverse Osmosis System



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

Technical Specifications

		INDROMATIC					INDRO	
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)		2500	2500	2500	2500	2500	2500	2500
Average TDS Removal (%)		90 TO 95	90 TO 95	90 TO 95	90 TO 95	90 TO 95	90	90
Minimum feed pressure (kg/cm ²)		2.0	2.0	2.0	2.0	2.0	2.0	2.0
Power Supply		415V/50Hz	415V/50Hz	415V/50Hz	415V/50Hz	415V/50Hz	415V/50Hz	415V/50Hz
Drive motor (hp/rpm)		3.0/2900	3.0/2900	3.0/2900	3.0/2900	3.0/2900	5.5/101900	3.0/2900
Dimensions	Width (mm)	850	850	850	850	850		1200
	Depth (mm)	650	650	650	650	650	1100	450
	Height (mm)	1630	1630	1630	1630	1630	2100	1600

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Product Image for illustration purposes only. Actual product may vary.



Wall-mounted Softeners For Homes

Technical Specifications

Flow rate (Max.)	10 LPM
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 (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	0.5-2.0
Inlet port size	1/2" BSP
Dimension (Height x Dia) (mm)	550 x 150
Weight (kg)	6.85

*Under standard test conditions



Provides the softest water that reduces hair loss and prevents skin ailments



Retains fabric's color & feel



Reduces scalling in water heaters



Reduces consumption of cooking gas



Prevents damage of bathroom fitting and appliances



Increases the life span of washing machines

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

POU Softener removes excess hardness from water. It does not disinfect or purify the water. Inlet water should be free from oil, grease & excessive turbidity

Product image for illustration purposes only. Actual product may vary.



Softeners To Soften Hard Water At Homes, Residential Complexes, Hotels, Etc.

Technical Specifications

MODEL	3M	3MQ	6MQ	9MQ	14MQ	20B	30B	40B
Flow rate (Max.)	3	3	6	9	10	20	30	40
Max working pressure kg/cm ² (Min.-Max.)	1.8-13.5	1.8-13.5	1.8-13.5	1.8-13.5	1.8-13.5	2.0-3.5	2.0-3.5	2.0-3.5
Output capacity per recharge (@200ppm hardness as CaCO ₃)	11	22	50	84	114	168	224	308
Salt Regeneration (Kgs)	8	16	28	48	72	96	128	176
Vessel dimension (Dia x Height) in inches	10x54	13x54	16x65	21x62	24x72	30x72	36x72	42x72
Resin type	ZRNaF	ZRNaF	220 NA	220 NA	220 NA	220 NA	220 NA	220 NA
Resin quantity (Litres)	45	90	175	300	400	600	800	1200



Removes organic matter from water



Pre-treatment for RO plants, boiler feed and cooling towers for chlorine removal from water



One pressure gauge



Ideal for housing societies, hotels, shopping malls, corporate parks, bungalows, institutions, etc.

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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

Product image for illustration purposes only. Actual product may vary.



ZERO.B™
PURE WATER SOLUTIONS



AUTOSOFT - 1 & 2

Water as Soft as the Morning Dew

Technical Specifications

MODEL	AutoSoft-1	AutoSoft-2
Water Flow	1000 l/hr	2000 l/hr
Dimension (DxWxH)	330 x 470 x 660(mm)	330 x 470 x 1100(mm)
Inlet water pressure	1.5 to 3.5 kg/cm ²	1.5 to 3.5 kg/cm ²
Inlet Max Hardness (As CaCO ₃)	800 ppm (parts per million)	800 ppm (parts per million)
Treated Water Hardness (As CaCO ₃)	<50 ppm	<50 ppm
Inlet/Outlet connection Size	1 inch	1 inch
Drain Line	0.5 inch	0.5 inch
Electric Supply	230 V AC/6 amp - 1 point Electric	230 V AC/6 amp - 1 point Electric
Treated Water Output at 500 ppm	800 litres	1700 litres
Salt Capacity	20 kg	40 kg
Purple Resin Quantity	12.5 litres	25 litres
Installation Footprint	Table top	Table top
Softener Vessels	Included	Included
Process Valve	Fully Automatic Programmable	Fully Automatic Programmable
Regeneration Pump	Not Applicable	Not Applicable
Salt per Recharge in kgs	2	4

*IonExchange (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



Prevents hair and skin damage



Prevents damage of bathroom fitting and appliances



Saves soap and shampoo



Retains fabric's color & feel



Saves cooking gas



Maintains heating efficiency of water heater

Product image for illustration purposes only. Actual product may vary.



**Purple Resin
Media**

**ZERO B
Purple Soft**
Food Grade Resin



Water as Soft as the Morning Dew

Technical Specifications

MODEL	AutoSoft-3	AutoSoft-6
Water Flow	3000 l/hr	6000 l/hr
Dimension (DxWxH)	Area Occupied 4 X 5 Ft	Area Occupied 4 X 5 Ft
Inlet water pressure	1.5 to 3.5 kg/cm ²	1.5 to 3.5 kg/cm ²
Inlet Max Hardness (As CaCO ₃)	800 ppm (parts per million)	800 ppm (parts per million)
Treated Water Hardness (As CaCO ₃)	<50 ppm	<50 ppm
Inlet/Outlet connection Size	1 inch	1 inch
Drain Line	0.5 Inch	0.5 inch
Electric Supply	230 V AC/6 amp - 2 point Electric	230 V AC/6 amp - 2 point Electric
Treated Water Output at 500 ppm	4500 litres	9000 litres
Salt Capacity	200 kg	200 kg
Purple Resin Quantity	45 litres	90 litres
Installation Footprint	Area Occupied 4 X 5 Ft	Area Occupied 4 X 5 Ft
Softener Vessels	Composite Filament wound Resin Vessel and HDPE Brine Tank	Composite Filament wound Resin Vessel and HDPE Brine Tank
Process Valve	Fully Automatic Programmable	Fully Automatic Programmable
Regeneration Pump	Self Priming Pump (With Inbuild NRV)	Self Priming Pump (With Inbuild NRV)
Salt per Recharge In kgs	7	14

*IonExchange (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

NGMA Carbon Filter



Removes Chlorine, Undesirable Colour & Odour from Water

Features

- FRP Pressure vessel (NGMF/NGMA) fitted with plastic Internal fittings

Technical Specifications

MODEL		NGMA20	NGMA30	NGMA45	NGMA65	NGMA110	NGMA160
Max. flow (m ³ /h)		2	3	4.5	6.5	11	16
Inlet Free Chlorine	1.0 ppm	2	3	4.5	6.5	11	16
	3.5 ppm	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 (m ³)		0.3	0.3	0.7	0.9	1.4	2
Vessel dimension (Dia x Height) 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.



Removes organic matter from water



Pre-treatment for RO plants, boiler feed and cooling towers for chlorine removal from water



One pressure gauge



Ideal for housing societies, hotels, shopping malls, corporate parks, bungalows, institutions, etc.

Ion exchange (I) Ltd reserves the rights for any amendments or modifications or changes in the above mentioned technical specifications without any notice Please Note:

The product picture shown is available in NGMA 20 Model

Product look may vary for all other models

Product Image for illustration purposes only. Actual product may vary.



Automatic Filtration System that ensures Mud-Free Water

Features

- Automatic backwashing ensures consistent water quality

Technical Specifications

MODEL	3AF
Tank size (pressure vessel)	13" x 54", 2.5" top opening
Flow rate up to	3.0 m3/h
Working pressure (kg/cm2)	1.8 (min.) and 3.5 (max.)
Multi-grade 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%

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*Under standard test conditions

Product Image for illustration purposes only. Actual product may vary.



Improved turbidity
& suspended
solids removal



Enhances performances
of softeners and
larger RO systems



Programmed
backwashing
requires no user interface



Prolongs the life of
the filtration media



India's First Remover Exclusively Designed for Indian Households

Technical Specifications

MODEL	Flow (LPH)	Iron Level (ppm Max)	RO product Suitable	Output (Litres/Hours)	Backwashing time
Mini IR	30	2	TO 10 LPH	250	BACKWASH DAILY
POU IR	90	5	TO 30 LPH	350	
IR 10	1000	10	TO 300 LPH	5500	
IR 20	2000	10	FOR HIGHER CAPACITY RO PRODUCTS	10,000	Backwash for 20mins with 1.5 times service flow
IR 50	5000	10		34,000	
IR 75	7500	10		50,000	
IR 100	10,000	10		67,000	



Removes foul metallic taste from water



Keeps skin soft, glowing and healthy



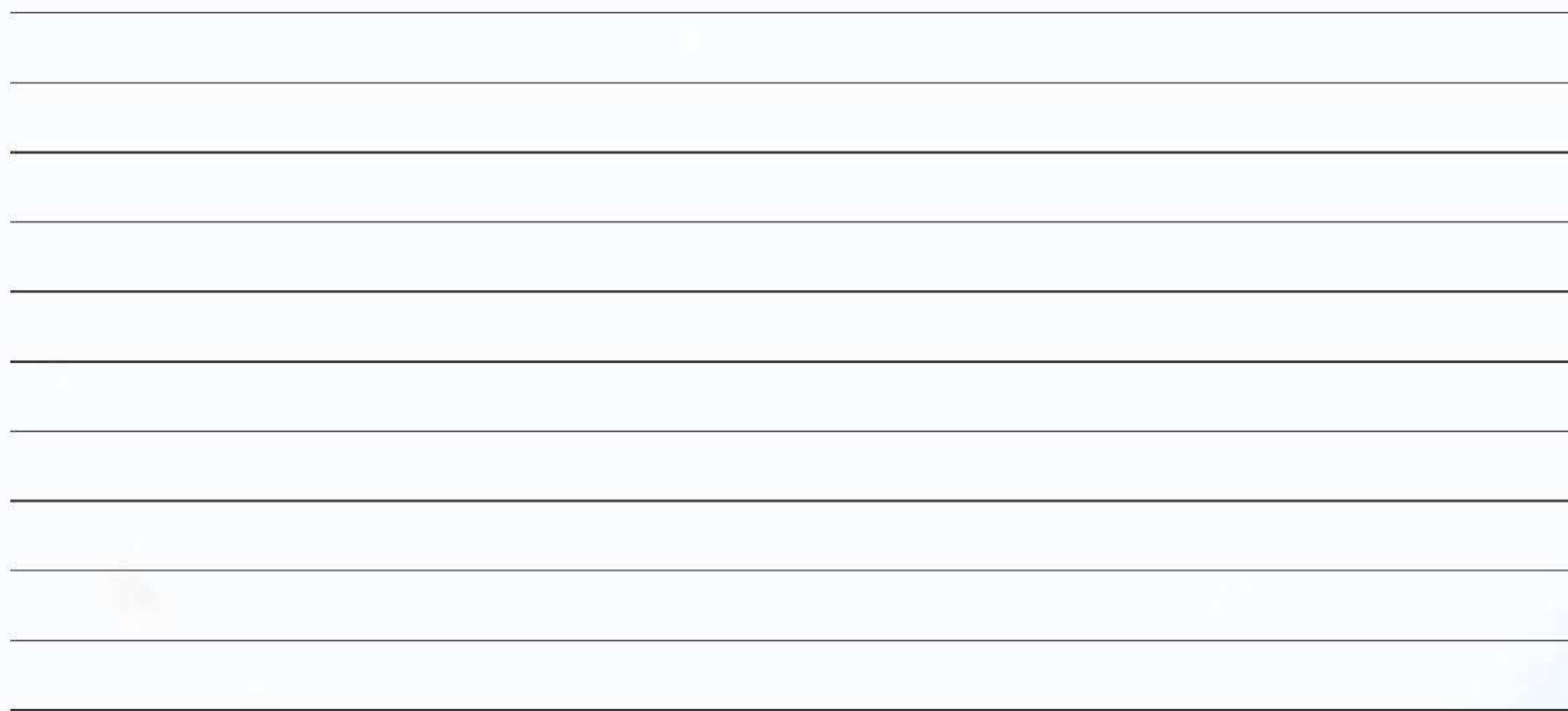
Saves consumption of cooking gas



Pre-treatment for domestic RO water purifier upto 25 LPH

*Hardness removal: Iron Remover system to be installed before water softeners if the hardness in raw water is more

*Reducing Suspended Solids: Where SS content is more 10ppm Sand filter needs to be developed before the iron removal system





Ion Exchange (India) Ltd.

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Commercial Water Solution: Ion House, Plot No - 2, Sec - 18, Vashi, Navi Mumbai - 400 705. Call: 8879142511

Email: cws@ionexchange.co.in  ZeroB Water Purifier Water Softener  TheZeroB  Zero B Water Purifier