

ZERO B

USER MANUAL

ZERO B MAGNA PLUS UNIVERSAL RO





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INTRODUCTION

Ion Exchange welcomes you to witness a new Zero B Magna plus Universal RO a unique water purifier that offers Triple-X purification technology ensuring safety and purity of your drinking water needs. The Zero B Magna plus Universal RO is a compact design to match the aesthetics of every kitchen.

This water purifier is equipped with Reverse Osmosis Purification, UV Purification & UF Purification. With its Triple-X purification system, it delivers pure, triple-safe and crystal clear sparkling water.

Reverse Osmosis Purification is world over accepted and widely used technology that removes all disease-causing bacteria and viruses. Also removes chemical impurities like heavy metals, arsenic fluoride, lead, pesticides, and excess dissolved salts, making the water pure and safe.

UF Purification is a second layer purification system which not only removes microbes from the water but also provides crystal clear water.

UV Purification is a third layer purification system which deactivates bacteria and viruses.

The new Zero B Magna plus Universal RO comes with Minera Balance Technology which retains essential minerals to maintain the taste of the water additionally, the water purifier also has a detachable storage tank (6Liters) that can be removed for cleaning

FEATURES:

- Triple-X Purification (RO, UV, UF)
- Delivers triple-safe, triple-pure and sparkling clear water.
- Wall Mount Model
- 7 stage Purification
- Minera Balance technology allows adjustment for the desired mineral level to retain essential natural minerals in purified water

INDICATIONS

Power ON – Red

Process ON – Blue

Tank Full – White

HOW ZERO B Magna plus Universal RO delivers pure and safe water ?

PREFILTRATION (Stage 1 ,2, 3)

Water first passes through multistage pre-filtration with high integrity filter bag, dedicated 5 micron filter and silver impregnated carbon.

Stage 1 FILTRATION

Inlet water passes through integrity filter bag which removes particles like sand, silt, hair and other finer particles from water.

Stage 2 HIGH EFFICIENCY FILTRATION

Water undergoes a finer filtration through a dedicated 5-micron filter, which holds higher quantity of fine particles and suspended impurities.

Stage 3 BAC FILTRATION

This Bacteriostatic Activated Carbon filter (high grade silver impregnated carbon) removes organic impurities, carcinogenic chemicals (such as VOC and THMs), chlorine, color and odor from water.

Stage 4 Nova –

This cartridge releases certain ingredients which keep the surface of membrane clean thereby increases RO membrane life.

Stage 5 REVERSE OSMOSIS MEMBRANE

RO membrane rejects excess salts, bacteria and virus and most chemical and toxic contaminants like pesticides, VOC's Trihalomethanes, fluoride, arsenic and heavy metals. Makes the water pure, safe and crystal clear.

Stage 6 UF modules –

This removes bacteria and gives crystal clear, sparkling water.

Stage 7 UV module -

RO purified water further passes through UV module, This add on purification paralyses / deactivates any bacteria or virus if any, which may be released due to membrane manufacturing defect or any loophole .It provides safe and non-chemical disinfection.

TECHNICAL SPECIFICATIONS

PARAMETERS

Purification flow rate	10 LPH*
Storage tank capacity	6 liters
% Recovery	40-50 %*
% salt rejection	90-95%
Dimensions (LXWXH)	28 x 20 x 37 (cm)

PARAMETERS

PURIFICATION STAGES

Prefiltration	Filter bag , 5 micron filter and activated carbon
Nova Cartridge	4" cartridge
RO purification	RO membrane
UF purification	4" UF module
UV purification	UV module

ELECTRIC SUPPLY

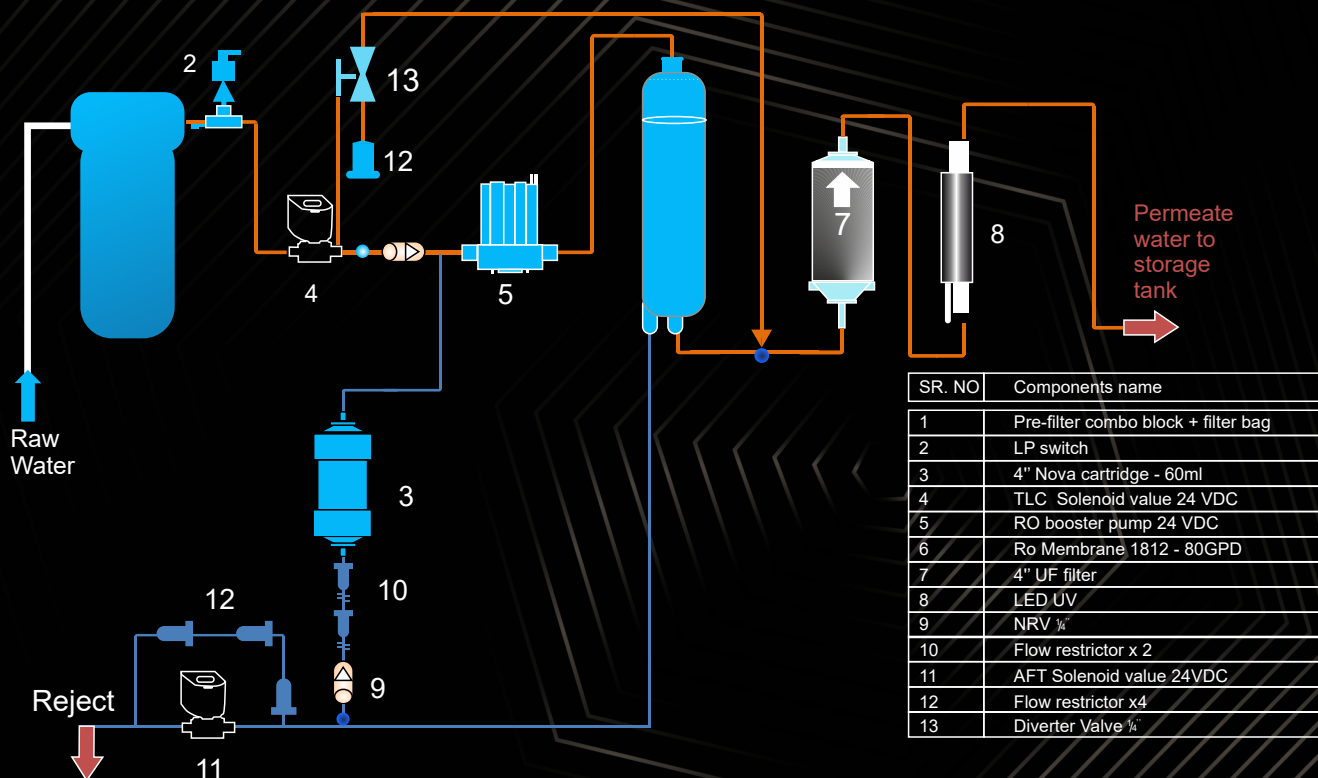
Operating Voltage	230+10% VAC
Power consumption(W)	30 Watts max

INLET WATER CONDITION

Inlet opening	1/2" BSP thread connection
Inlet water temperature	Less than 45 Centigrade
Inlet pressure	0.5- 2 kg/cm ²
Feed water TDS (PPM)	Up to 1500 ppm
Turbidity (NTU)	Less than 5
Total hardness(PPM)	500 max
Free chlorine(PPM)	Nil
Silica(PPM)	Less than 20
Iron and manganese(PPM)	Nil
Oil and Grease(PPM)	Nil

NOTE:- * Under standard condition of 750ppm TDS Feed water.
Technical specifications are subject to change without prior notice.

Existing Flow Schematic For Magna Plus Universal (High recovery)



INSTALLATION OF ZERO B UNIVERSAL RO

Location of the unit

1. Find out a suitable position for installing ZERO-B Magna plus Universal RO on the wall
2. Locate the ZERO-B Magna plus Universal RO so as to have easy access to dispensing. Preferably with the base of ZERO-B Magna plus Universal RO at 4 feet height from ground.
3. ZERO-B Magna plus Universal RO should be located close to an available tap or water outlet (not exceeding 1-meter length).
4. A pre-filter along with inlet, drain has to be located over a drainage point such as sink in the kitchen.
5. All units are provided with extra length of tubing. Cut the extra tubing which is left after installation.

6. Wall Mounted ZERO-B Magna plus Universal RO should be located conveniently where the power outlet of 230V AC is available.

7. The reject line on the pre-filter is free falling water line; avoid connecting any tube over this port.

SYSTEM REQUIREMENTS

1. The unit is a high-pressure water system; hence all water fittings to be ensured tight. Do not tamper with these fittings.

2. Unit is not to be kept in closed environment. Sufficient ventilation is required.

3. Avoid any kind of high impacts on the unit.

INSTALLATION REQUIREMENTS

1. Electrical requirements: 230V AC + 10%, 5 Amp. Socket with proper earthing to be made available at the point of installation.

2. Ensure that a voltage stabilizer is installed where the mains voltage variation is more than 230V AC + 10%. Also ensure adequate earthing on voltage stabilizer.

PLUMBING REQUIREMENTS

1. ½" water line with minimum of 0.5 - kg/cm² and maximum of 2 - kg/cm² pressure.

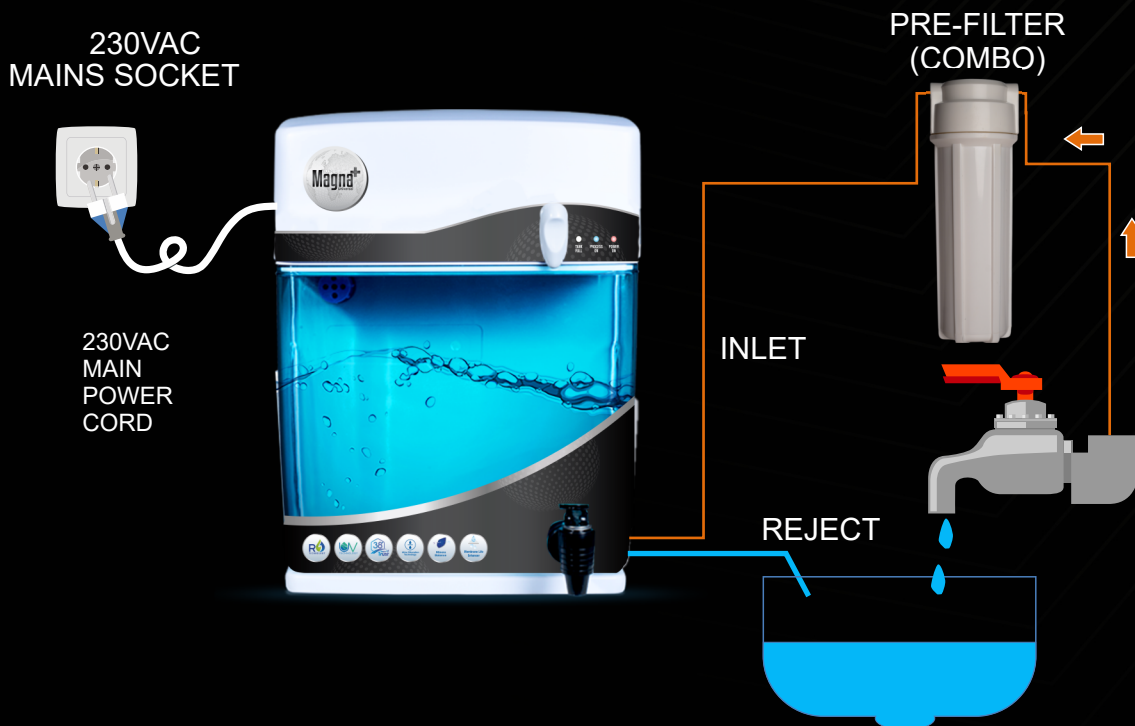
2. Drainage line is required within a distance of 1 meter from the unit.

3. Ensure that the raw water quality meets the specification.

HOW TO INSTALL?

1. After opening the unit from the packing, check for damages, loose water connections and nut / bolt fittings.
2. Ensure pressure of the plumbing line is as per the specification.
3. Carry out plumbing connections as shown in the illustration .
4. Make the water and electrical connection but do not fix the Zero B Magna plus Universal RO and pre-filter on wall. Please do not start the water connection.
5. Carry out functional test of the pre-filter and Zero B Magna plus Universal RO unit on a counter or on a kitchen platform before fixing the screws on the wall.

Installation diagram of Zero B Magna plus Universal RO



REPLACEMENT SCHEDULE ZERO B MAGNA PLUS UNIVERSAL RO

SR.NO	CARTRIDGE NAME	REPLACEMENT	QTY IN YEAR
1	(PREFILTER)COMBO BLOCK	6 MONTHS	2
2	RO MEMBRANES	1 YEAR	1
3	UV MODULE	1 YEAR	1
4	UF MODULE	1 YEAR	1
5	4" NOVA CARTRIDGE	6 MONTHS	2

TROUBLESHOOTING

SYMPTOMS	CAUSES	SOLUTION
1. Water tastes bad	a. Filters might have exhausted	a. Call Service help
2. Pure water flow stops	a. Pre-filter, RO membrane or UF may be choked	a. Call Service help
	b. Tank not inserted properly	b. Insert the tank properly
	c. The tap water valve is closed	c. Open the tap
	d. Power supply OFF	d. Switch ON the power supply
3.. Waste water flow stops	a. Pre-filter, ROmembrane may be choked	a. Call Service help

WARRANTY CARD

(To be filled in by the sales representative and retained by the customer for reference)

Unit Serial No. : Model : **ZeroB Magna - Universal**
Invoice No. : Product Serial No. :
Dated : Date of Expiry of Warranty :
Customer's Name and Address :
.....
Tel.(Resi.) : (Off.) :
Fax No. : Email ID :

Customer's Signature :

(I accept the terms and conditions warranty)

Company's Stamp & Signature

WARRANTY INFORMATION CARD

Please preserve this warranty information card and ensure that this is duly stamped and signed by the Company Official / Authorized Dealer / Authorized Retailer of Ion Exchange (India) Limited. ZeroB Product is warranted throughout India only by Ion Exchange (India) Limited (herein referred to as the company) as per the conditions printed herein.

TERMS & CONDITIONS OF WARRANTY:

We hereby warrant that the unit / equipment shall be free from defective material and faulty workmanship, subject to the following clauses:

Our liability in respect of any defect or failure of any equipment supplied by us or any loss, injury or damage attributable thereto is limited to making good by way of replacement or rectification, defects which show up under proper use, provided the equipment is operated and maintained strictly in accordance with our instructions and arise entirely from proven faulty design, material or workmanship, within a period of 12 months from the date of commissioning of equipment. At the end of this period all our liabilities will cease under this warranty. We shall have the right to make any replacement of spares or repairs that is required at site. In case of replacement, buyer shall return the replaced part / component to us immediately / on repair completion.

The warranty period on the replaced / repaired part will be limited to the remaining, unexpired portion of the total warranty period. Electrical components are covered under this warranty.

When equipment is ready to be dispatched but cannot be dispatched due to reasons attributable to the buyers, the warranty period will be 18 months from the date of readiness for dispatch as notified by us in writing.

No other party or agency may carry out replacements or repairs unless authorized by us in writing.

If a part / component are to be replaced or repaired under this warranty, there will be no charge for the replacement. However, the travel and conveyance as well as boarding & lodging expenses incurred by our representative reputed for his work will be charged to the buyer at actual.

This warranty does not cover replacement / repairs required as a result of normal wear & tear, accidents or damages / defects caused by misuse / maloperation of the equipment by the buyer.

Ion Exchange (India) Limited shall be excused from any delay or failure in performance required hereunder if caused by reason of any occurrence or contingency beyond its reasonable control, including, but not limited to, acts of God, acts of war, fire, laws, proclamations, edicts, ordinances or regulations, riots, earthquakes, floods, explosions or other acts of nature. The obligations and rights of the party so excused shall be extended on a day-to-day basis for the time period equal to the period of such excusable interruption.

Consumable such as filters / cartridge would be on chargeable basis.

Warranty is applicable in standard rated water conditions only.

This warranty is void if:-

(a) The unit/ equipment is put to wrong use / application (b) The unit/ equipment installed / commissioned by any person / agency not authorized by us. (c) The unit is not installed / operated / maintained as per instructions given in our operation manual and / or those given by our authorized representative. (d) The operating conditions and influent water quality are other than those for which the unit / equipment was supplied. (e) The agreed / contract price and installation charges, if any, has to be paid to us / our dealer / our retailer.


Ion Exchange (India) Ltd. is a leader in the business of water treatment and solutions that are so vital to people's lives and the environment.

For more than five decades, Ion Exchange (India) Ltd., has pioneered many path-breaking innovations in the field of engineering and marketing to provide a one-stop solution for industry, homes and communities. Bearing testimony to this are more than 35,000 water treatment installations worldwide. Our plant have been exported to USA, UK, South East Asia, Japan, Middle East, Far East as well as neighbouring countries like Bangladesh, Nepal, Mauritius and Sri Lanka.

In the consumer market, under the flagship of the ZeroB Brand, the company has introduced products catering to every need of the customer.

From Online Water Purifiers to the most advanced Reverse Osmosis Water Purifiers, from drinking water vending machines to bottled packaged water, to name a few.

Ion Exchange (India) Ltd. has led virtually every breakthrough in the Indian market fulfilling the company's vision: "To be a leader in our business which is so vital to people's lives and the environment".

 +91 77560 43064

ZERO.B

Ion Exchange (India) Ltd., Ion House, Dr. E. Moses Road, Mahalaxmi,
Mumbai 400011. | Tel. : 022-278812345 | 022-2068486848
Email : zerob@ionexchange.co.in | Web : www.zerobonline.com