

A woman in a brown swim cap and black bikini is swimming in a pool of clear blue water. The background is a dark, out-of-focus structure, possibly a building or pool deck.

Residential

Natural

OZONE GENERATOR
MODEL BN150

Instruction Manual

Thanks for choosing the Brauer Swim B-Natural Ozone Generator!

Built for exceptional performance and long-lasting reliability, this ozone generator is designed to make pool care easy and effective. Follow the steps in this manual to get the best from your system, with essential tips and troubleshooting advice included to keep things running smoothly.

If you ever need assistance, just reach out to your Brauer Swim Certified Partner or visit our website for support. Enjoy a fresher, cleaner pool experience with Brauer Swim!

IMPORTANT TO NOTE:

For residential use only. This ozone generator is not intended for commercial use. Warranty coverage is void if used in a commercial setting. The manufacturer accepts no responsibility for issues arising from such use.

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READ AND FOLLOW ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

- This manual contains important information about the operation and safe use of the system.
- Please read the instructions fully and keep this manual on hand whenever operating or maintaining your system.
- As for all pool equipment and chemicals, the system should be installed out of reach of children. Children must not have access to operating the system without adult supervision.
- The system must be installed by Brauer Swim or an Certified Partner. This system may not perform as expected if installed incorrectly.
- Failure to correctly install may result in damage to the system which will void the warranty.
- Control Unit must be installed outside the pool zone as defined by AS/NZS3000.
- Ensure that you have dry hands when operating the system.
- Although the system has a weather resistant design, its service life will be considerably longer if it is not exposed to direct sunlight and rain. Wear and tear from direct exposure to the elements is not covered by the warranty.
- Do not allow grass or weeds to grow around the system, or the tubing and cables to prevent accidental damage from garden trimming equipment.
- Do not open the Control Unit as this will void warranty.
- Any damaged cables must be replaced immediately by Brauer Swim or an Certified Partner to prevent electrical shock.
- If the Mains Power Lead (supply cord) is damaged, it must be replaced by the manufacturer or its service agent or similarly qualified person to avoid a hazard.
- Unplug the Control Unit Main Power Lead before servicing or changing the Cell.
- The system must be serviced only by Brauer Swim or an Certified Partner.
- Water chemistry needs to be regularly tested and adjusted if necessary.
- The system is not intended for use with temporary, foldable, or storable pools. All pipework associated with this system is intended to be fixed and should remain intact.
- This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the product.
- The system contains sharp parts, particularly around the edges of the heatsink on rear of the Control Unit. Please handle system with care using protective gloves.
- Safe lifting practices and correct installation is necessary to avoid injury or damage.
- The product shall be plugged into a circuit that is protected by a residual current device having a rated residual current not exceeding 30 mA, which complies with AS/NZS 3190.

CONTROL UNIT

Front View



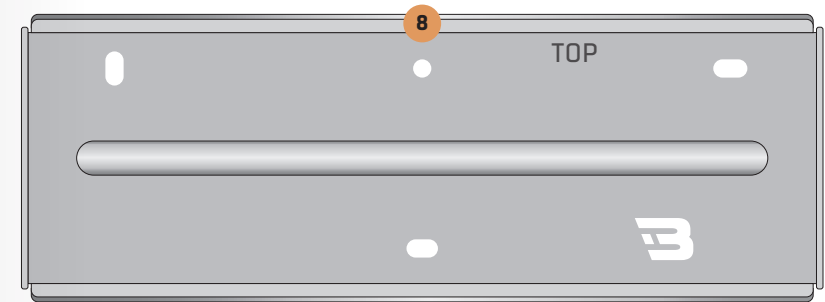
Bottom View



1	Master Switch (On/Off)
2	Circuit Breaker
3	Mains Power Lead
4	Power Outlet Socket (Max. 6.6 Amps)
5	Ozone Indicator Light
6	Ozone Air Filter
7	Ozone Output (Push Fitting)

CONTROL UNIT MOUNTING BRACKET

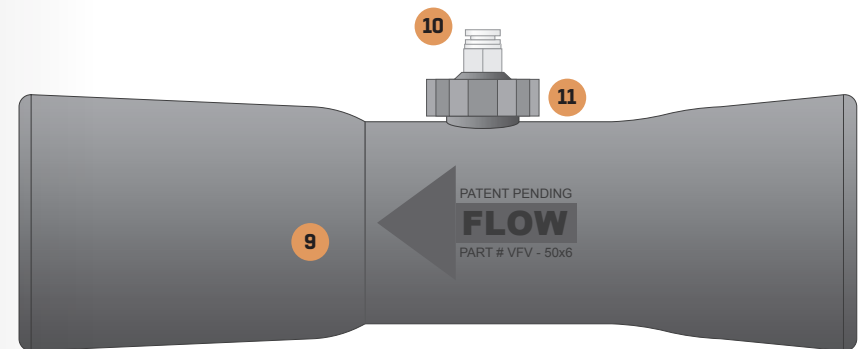
Front View



8	Control Unit Mounting Bracket
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OZONE INJECTION MANIFOLD

Side View

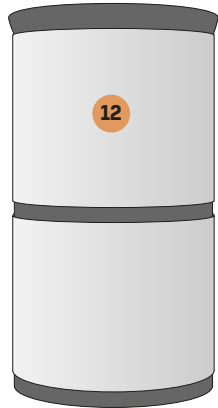


9	Ozone Injection Manifold
10	Ozone Input (Push Fitting)
11	Manifold Screw Fitting

Getting to know your system

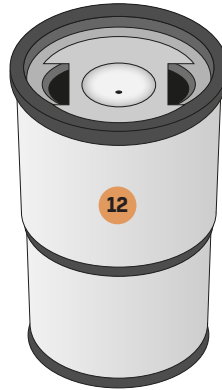
MANIFOLD CHECK VALVE SET (INTERNAL)

Side View



MANIFOLD CHECK VALVE SET (INTERNAL)

Top View

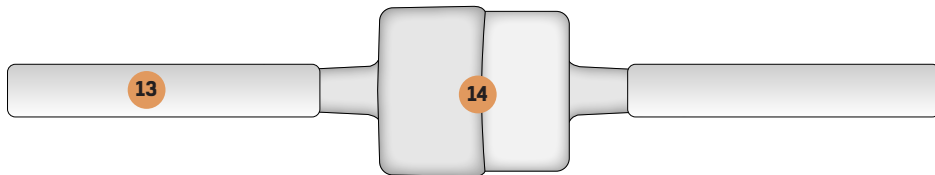


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Manifold Check Valve Set (Internal)

TEFLON TUBING WITH CHECK VALVE

Side View



13

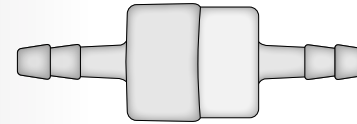
Ozone Teflon Tubing

14

Ozone Teflon Tubing Check Valve

Getting to know your system

MAINTENANCE PACK



PART

Teflon Check Valve Replacement

QTY	REPLACEMENT SCHEDULE
2	Every 12 months or as required

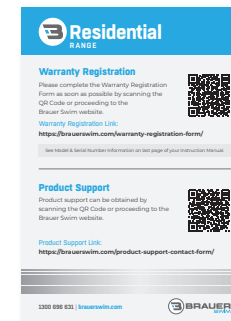
PART

Ozone Air Filter Media Replacement

QTY	REPLACEMENT SCHEDULE
5	Every 6 months or as required

SETUP PACK

Refer to your Chlorinator's Manufacturer for Water Balance Details.

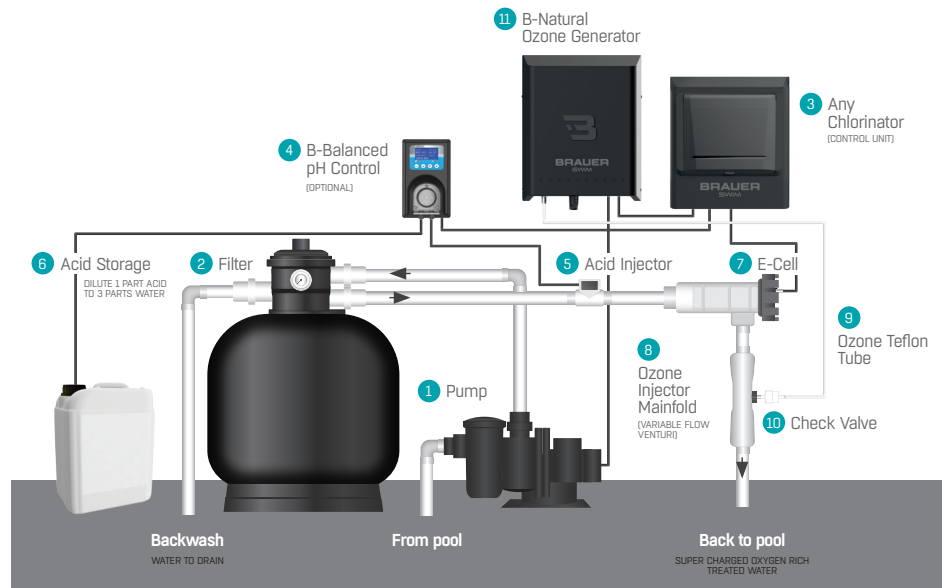


Support and Warranty Registration Card

Installation Guide

THIS SYSTEM MUST BE INSTALLED BY A BRAUER SWIM CERTIFIED PARTNER.

Please note: If your pool has an integrated spa, you may require a degas vessel if the return to pool goes to the spa first. For further information contact your Brauer Swim Certified Partner or visit our website.



Control unit installation

- 1 Mount Control Unit a maximum of 1.5 meters from the Ozone Injector Manifold. Fit Control Unit Mounting Bracket on the wall. Install the Control Unit a minimum of 900mm above ground level outside the pool zone as defined by AS/NZS3000 in an area protected from the elements to eliminate possible damage from severe weather conditions.

Ozone injection manifold installation

- 1 Plumb Ozone Injector Manifold on the return line of the pool return ensuring direction of the flow through the Manifold is correct. The Manifold should be last on the pool return line, after all other equipment installed.
- 2 Connect supplied white Ozone Teflon Tubing With Check Valve (see labels on Ozone Teflon Tubing for direction ensuring non-return Check Valve is in the correct direction) onto the Control Unit Ozone Output and the Ozone Injector Manifold Ozone Input by connecting to the push fittings.
- 3 **Leave plumbing to cure for a 24-hour period for best results.**

Control unit operation

- 4 Plug Ozone Generator Control Unit power lead into any chlorinators Pump Outlet Socket. The B-Natural system's on/off timing is controlled by the timer function of your chlorinator.
- 5 Plug the pump power lead into the B-Natural ozone generator control unit pump outlet socket (see pump outlet socket).
- 6 Set the Master Switch to the "ON" position.
- 7 Ensure that the pool water is correctly balanced. (See Recommended Water Balance information below).

PUMP OUTLET SOCKET

A 240 volt Pump Outlet Socket is provided on the underside of the Ozone Generator Control Unit (see Page 6, Item 4 Outlet Socket). Your pool pump power supply lead should be plugged in to the Pump Outlet Socket.

The Pump Outlet Socket is designed to operate a single pool pump of **maximum 2.0hp(horsepower) or 6.6 Amps only.**

Do not attempt to operate any equipment other than your pool pump from this socket as damage might occur to the Ozone Generator Control Unit and void your warranty.

MASTER SWITCH

○ ON OFF	0	On	The system will operate all functions permanently.
		Off	The system will not operate.

Recommended Water Balance

Regular water testing must be performed to ensure the water chemistry is within the following recommend ranges. Unbalanced water will reduce system efficiency and lifespan. The system uses Ozone to oxidise and purify water. Refer to your chlorinator's manufacturer for specific water balance requirements. The following ranges can be used as a general guide.

PARAMETER	RANGE
Free Chlorine	1.0 - 4.0 ppm
Combined Chlorine	Below 0.5 ppm
pH	7.4 - 7.6
Cyanuric Acid	30 - 60 ppm
Total Alkalinity	80 - 120 ppm
Calcium	200 - 400 ppm
Metals	0 ppm
Phosphates	Below 100 ppb

CONTROL UNIT

Ozone Air Filter Media Replacement



Every 6 months or as required

Replace the Ozone Air Filter Media located under the Control Unit, to remove the filter turn it anticlockwise, remove the old cotton wool and replace with half a standard cotton wool ball, only hand tighten the filter when refitting.

PART/ITEM	PART	REPLACEMENT SCHEDULE
Ozone Air Filter Media	Half a Standard Cotton Wool Ball	Every 6 months or as required

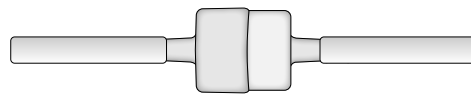
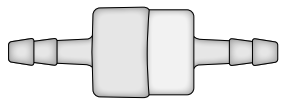
WATER BALANCE

Every month or as required

Regular water testing must be performed to ensure the water chemistry is within the recommended ranges. See Recommended Water Balance table.

OZONE INJECTION MANIFOLD

Teflon Check Valve Replacement



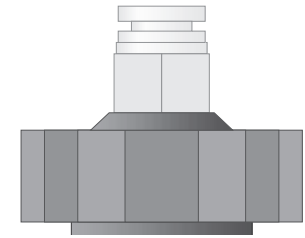
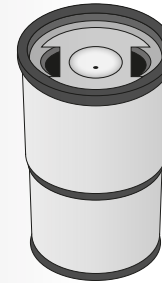
Every 12 months or as required

The Check Valve in the ozone output line prevents water from returning to the Control Unit. To replace the Check Valve simply pull the white Ozone Teflon Tubing off the Check Valve at both ends and replace with new Check Valve. Make sure that you date the new Check Valve and update the Maintenance Logbook below.

PART/ITEM	PART NUMBER	REPLACEMENT SCHEDULE
Teflon Check Valve	B-TCHK-VLV	Every 12 months or as required

CONTROL UNIT

Internal Manifold Check Valve Set Replacement



Every 3 years or as required

PART/ITEM	PART NUMBER	REPLACEMENT SCHEDULE
Manifold Check Valve Set	B-MCHK-VLV	Every 3 years or as required

Maintenance Logbook

MONTH	WATER TEST	OZONE AIR FILTER MEDIA	TEFLON CHECK VALUE	MANIFOLD CHECK VALVE SET
Recommended	Monthly	6 Monthly	Yearly	3 Years
1				
2				
3				
4				
5				
6				
7				
8				
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10				
11				
12				
1				
2				
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4				
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8				
9				
10				
11				
12				

Maintenance Logbook (continued)

MONTH	WATER TEST	OZONE AIR FILTER MEDIA	TEFLON CHECK VALUE	MANIFOLD CHECK VALVE SET
Recommended	Monthly	6 Monthly	Yearly	3 Years
1				
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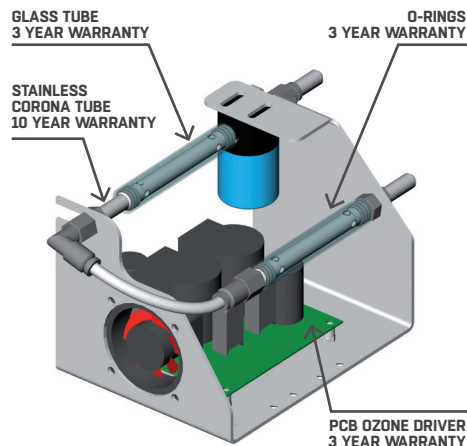
Warranty Information

Ozone 1 Pty Ltd, trading as Brauer Swim ("Brauer Swim") guarantees the system to be free from defects in material and workmanship when subjected to normal use and service.

Brauer Swim systems warranty table is as below:

ITEM/PART	PART NUMBER	WARRANTY PERIOD	IN-FIELD PERIOD
Control Unit (excluding Internal Ozone Corona Discharge Unit)	B-OZ-PBC	3 years	1 year
Internal Ozone Corona Discharge Unit (see diagram below for warranty details)	B0211	3-10 years	1 year
Ozone Injection Manifold (excluding Manifold Check Valve Set (Internal))	B0222	3 years	1 year
Manifold Check Valve Set (Internal)	B-MCHK-VLV	1 years	n/a
Ozone Teflon Tubing (excluding Teflon Check Valves)	B0223	3 years	n/a
Teflon Check Valve	B-TCHK-VLV	6 months	n/a
Ozone Air Filter Media	B0220	6 months	n/a

Domestic use only. This ozone generator is not intended for commercial use and is not compliant with commercial application standards. Warranty coverage is void if used in a commercial setting. The manufacturer accepts no responsibility for issues arising from such use.



Warranty Information (continued)

- There are no expressed or implied warranties which extend beyond the face hereof, and Brauer Swim is not liable for any incidental or consequential damages arising from the use or misuse of this product.
- This limited warranty does not apply to any injury, loss, damage, defect or malfunction of the product or failure to function resulting from any failure to operate the product in accordance with the directions contained in the operating instructions, failure to function resulting from any accidents, acts of God, tampering, abuse, acts, omissions, or negligence by anyone other than Brauer Swim, including but not limited to such damage or injuries resulting from improper installation.
- Damage from excessive concentration of one or more chemicals is not covered by this warranty.
- The product is specifically designed for use with swimming pool water, the water must be chemically balanced in accordance with the operating instructions. Operating the product at the incorrect TDS level will shorten the Cell life and void warranty. See recommended Water Balance above.
- This limited warranty shall apply only to the Customer as an original purchaser and is not transferable.
- Any claim made in relation to this warranty is limited to the cost of replacement or repair of the product or parts claimed to be defective.
- Product must be installed, maintained and operated in accordance with Brauer Swim's specifications and recommendations.
- It is the customer's responsibility to follow safety regulations and laws regarding electrical installation.
- Shipping damage is not covered by this warranty.
- No claims will be recognised without the proof of purchase.
- This warranty becomes invalid if unauthorised person or persons attempt modifications or repairs.
- Any dispute between customer and Brauer Swim must be conducted in Queensland, Australia.
- The warranty clauses provided above, must be read in conjunction with any additional warranty information published on our website at <https://brauerswim.com/warranty>. In the event of any inconsistency or conflict between the above warranty terms and those stated on our website, the warranty terms above shall prevail to the extent of the inconsistency.

Warranty Registration

Please complete the Warranty Registration Form as soon as possible by scanning the following QR Code or click on the following:

Warranty Registration Link: <https://brauerswim.com/warranty-registration-form/>



See Model & Serial Number Information on last page of this Instruction Manual.

Troubleshooting

FAULT	POTENTIAL CAUSES	ACTION REQUIRED
No light from Ozone Indicator Light	<ul style="list-style-type: none">No power to Control UnitDefective Internal Ozone Corona Discharge Unit	<ul style="list-style-type: none">Ensure Control Unit has power and is workingContact your Brauer Swim Certified Partner
No bubbles from injector or no evidence of bubbles in pool	<ul style="list-style-type: none">Excessive back pressureLeak in fittingFilter not workingReplace Ozone Air Filter Media	<ul style="list-style-type: none">Check for kinks or clogs in teflon tubing or plumbingCheck filterCheck Ozone Injection Manifold
Water in Control Unit	<ul style="list-style-type: none">Teflon Check Valve failureManifold Check Valve Set failure	<ul style="list-style-type: none">Verify Teflon Check Valve in Ozone Teflon Tubing is operating properlyVerify Manifold Check Valve Set in Ozone Injection Manifold is operating properly
Cloudy water	<ul style="list-style-type: none">Water chemistry out of balanceTotal dissolved solids (TDS) level is too highFilter not working	<ul style="list-style-type: none">Refer to recommend water balance sectionCheck readings and balance accordinglyClean or replace filter

Product Support



Product support can be obtained by scanning the following QR Code or use the following website link:

Product Support Link:

<https://brauerswim.com/product-support-contact-form/>

Product Specifications



MODEL	MAX POOL VOLUME	DIMENSIONS CONTROL UNIT (W x H x D)	WEIGHT	ENCLOSURE	MAX CURRENT	TEMP OPERATION RANGE
	LITRES	CM	KG	IP	AMP	C
BN150	150,000	31.5 x 35 x 15	5	23	10	0-40

Max Pool Volume assumes that the pool is Residential Use Only, pH 7.2-7.6, temperature is a maximum of 28 degrees, average depth of more than 1.2m and turnover rate of 4 hours or less. Does not take into consideration bather type, pool surface, automated dosing, slides, fountains, waterfalls etc. Brauer Swim is not liable for model selection based on reference to Max Pool Volume.

Contact Us

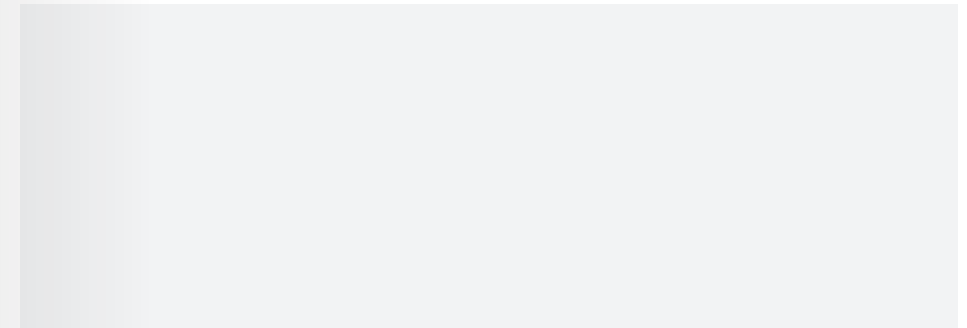
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Model & Serial Number information



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