Innovative Solutions

Proactive Air and Surface Sanitization

ProGuard™

Models: DXB 100 & Defender

Owner's Manual

Warnings

Please read and follow all warnings and cautions before installing and using your unit.

Use this unit only in a manner intended by the manufacturer. If you have questions, contact the manufacturer.

Never insert hands into the unit's fan motor while it is plugged in or running.

Avoid looking directly at the UV lamps in the ARC® (Active Radiant Catalysis) Cell.

Follow all installation instructions.

Before servicing or cleaning the unit, unplug from its power source.

Replace filter every 3-4 months to avoid damaging your unit.

Replace ARC Cell & BPI Module every 12 months for optimal performance

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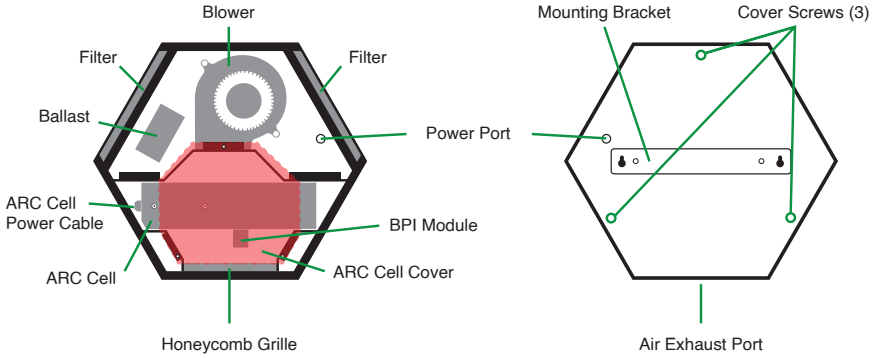
Diagrams



Specifications

Models: . . . . . .Defender - 1X5786

. . . . . .DXB 100 - 1X5784

Dimensions: . . . . . .11.69" H (296.9mm) x 13.44" W (341.4mm) x 3.5" D (88.9mm)

Weight (Unit & Accessories): . . . . . 6.5 lbs (2.95kg)

Supply: . . . . . .100-240VAC | 21W

Operation: . . . . . .24VDC | .77A

Air Flow: . . . . . Approx. 25 CFM

Warranty DXB: . . . . . .2 Years (1st Year All Parts and Labor, 2nd Year Parts)

Warranty ARC Cell: . . . . . 1 Year

Warranty BPI Module: . . . . . 1 Year

Parts List

1 - ProGuard Unit (Models Defender, DXB 100)

1 - 24VDC Power Supply Transformer

4 - Filters (2 Installed, 2 Replacement)

2 - Mounting Screws

2 - Wall Anchors

Installation

- **DXB units cover up to 500ft² and multiple units may need to be placed throughout the room to get even coverage.**
- **DXB units should be wall mounted with the bottom of the unit 2-3 ft. above the highest canopy height**
- **DXB units should have the *Air Exhaust Port* facing down.**
- **DO NOT place DXB units directly above, next to, or in front of fans.**
- **DO NOT place DXB units next to *RETURN AIR* vents.**
- **DO NOT place DXB units where it will be exposed to water.**

1. Find the ideal location, utilizing studs for extra support.
2. Remove the ***Mounting Bracket*** and use it to mark your hole locations.
3. If installing into a stud, drill a **5/64" Pilot Hole**.
4. If a stud is NOT available, pre-drill holes using a 3/16" drill bit and place the ***Wall Anchors*** in the pre-drilled holes.
5. Insert the ***Wall Screws*** into the ***Wall Anchors or Pilot Holes.***
6. Replace the ***Mounting Bracket*** on your unit, making sure the ***Air Exhaust Port is still facing down***.
7. Plug the ***Power Cord*** into the ***Power Port*** on the back of your unit.
8. Mount the unit using the ***Wall Screws***, ensuring it is completely secure.

Cleaning

Unplug your unit from the receptacle before any cleaning or maintenance is done.

Your unit's filter should be replaced every 3-4 months depending on the quality of air in the establishment.

To clean your unit, use an air duster to first clear any debris inside the machine. If any remains, wipe it down with a damp cloth.

Maintenance

- DXB units require regular replacement of the "Filters" to ensure that the interior product components are protected. Filters should be replaced every 3-4 months or as needed.
- **DXB units require that the *ARC CELL and BPI MODULE* be replaced annually to ensure that the units produce the optimum levels of ProGuard Sanitization to protect the facility.**
- Please contact Innovative Solutions to purchase Filters, ARC Cells, BPI Modules and more.

Part Replacement

If you need to replace your ARC Cell or BPI Module for any reason please contact Innovative Solutions.

NOTICE: Unplug your unit before replacing any parts.

Filter Replacement

1. Remove the ***Unit Cover*** from your unit by removing the (3) ***Cover Screws*** from the Back of the unit.
2. Remove the used ***Filters.***
3. Replace with the new ***Filters, with the Red side facing out.***
4. Replace the ***Unit Cover*** and ***Power Plug.***

ARC® Cell Replacement

1. Remove the ***Unit Cover*** from your unit by removing the (3) ***Cover Screws*** from the back of the unit.
2. Remove the ***ARC Cell Cover.***
3. Remove the ***ARC Cell.***
4. Remove the ***ARC Power Cable*** from your old ***ARC Cell*** and plug it into your new one.
5. Once the ***ARC Power Cable*** is installed, place the ***ARC Cell*** into its provided space ***below the Ballast and Blower***. The ***ARC Cell*** should be placed with the warning label facing out to ensure proper air flow through the unit.
6. Replace the ***ARC Cell Cover***.
7. Replace the ***Unit Cover*** and ***Power Plug.***

BPI Module Replacement

1. Remove the **Unit Cover** by removing the (3) **Cover Screws** from the Back of the unit.
2. Remove the **ARC Cell Cover.**

3. Lift up the **WAGO Connector Levers** on the wires leading from the **BPI Module** and remove the wires.
4. Remove screws securing the **BPI Module** to the unit and remove the **BPI Module**.
5. Replace with the new **BPI Module** and ensure the brushes are close to the ARC Cell, then secure the screws.
6. Match the colors and insert the **BPI Module's wires** into the empty **WAGO Connector** slots. Push the levers down to lock them in place. Pull on the wires to make sure they are secure.
7. Replace the **ARC Cell Cover.**
8. Replace the **Unit Cover.**
9. Reconnect unit to power source.

Cell Disposal

Please do not throw away a used ARC Cell in the garbage. The special germicidal UV Bulb used in DXB contains a very small amount of mercury. Be sure to dispose of them properly or return them to Innovative Solutions.

For more information, contact Innovative Solutions: www.innovative-solutions.org

Replacement Parts List

If you need to replace any parts please contact Innovative Solutions.

Part Name	**Item Number**
DEFENDER ARC & BPI KIT	1X5895
DXB 100 ARC & BPI KIT	1X5896
Filter Pack (12 Filters)	1X6728

Limited Warranty Information

Your DXB 100 or Defender (Product) is warranted to be free from all defects in material and workmanship in normal use for a period of 2 Years from date of purchase. This Warranty includes Parts and Labor for the first year, and only Parts for the second year. Your ARC Cell's and BPI Module's Warranty is separate from your Product's 2 Year Warranty and is only for 1 Year each. The warranty is granted only to the original purchaser. The warranty is subject to the following provisions:

Any damages or malfunctions caused by negligence, abuse, or use not in accordance with the Product Owner's Manual are not covered by this warranty. Likewise, any defects or damages caused by unauthorized service or the use of other than Genuine ProGuard Parts are not covered.

Innovative Solutions will, at its option, repair or replace a defective Product or part(s) for the Product that is/are covered by this warranty. As a matter of warranty policy, Innovative Solutions will not refund the customer's purchase price.

OBTAINING WARRANTY SERVICE

To obtain warranty service you must return the defective product along with proof of purchase to the Innovative Solutions Authorized Service Center. All shipping costs submitted under this Warranty shall be borne by purchaser. Unless this Warranty is expressly renewed or extended by Innovative Solutions, any repaired or replaced part of unit shall be warranted to the original purchaser only for the length of the unexpired portion of the original warranty. For the location of the nearest Innovative Solutions Authorized Service Center or for other service information, please visit us online at:

www.innovative-solutions.org

Before any product is sent for service, the customer should contact the Innovative Solutions Service Center to obtain a Return Merchandise Authorization (RMA) Number. This RMA Number should be clearly written on the box before shipping. All components/parts including the remote (if applicable), manuals, and original packaging should be included in the return if available.

FURTHER LIMITATIONS AND EXCLUSIONS ARE AS FOLLOWS

Any warranty that may be implied in connection with your purchase or use of the Product, including any warranty of merchantability or any warranty for Fitness For A Particular Purpose is limited to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

Your relief for the breach of this warranty is limited to the relief expressly provided above. In no event shall Innovative Solutions be liable for any consequential or incidental damages loss of profit, or medical expenses caused by any misuse, abuse, accident, negligence, or failure to follow instructions. The company will not be responsible for any written or oral statements made that are inconsistent with this written warranty, or which are misleading or inconsistent with the facts as published by the company in the literature or specifications. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

REGISTRATION

Please register your Product within 10 days of purchase by entering the serial numbers at:

www.innovative-solutions.org/contact/

Registering your new Innovative Solutions product entitles you to the most up-to-date Innovative Solutions warranty and promotion information.