

**IMPORTANT -  
READ THIS PAGE BEFORE YOU INSTALL THE ICON SYSTEM.**

**Pre-Installation**

To validate your warranty, register: on-line at [www.air-us.com](http://www.air-us.com), by phone at 1.866.437.0044 or by mailing the warranty registration card to: American Innovative Research Corp., 19 Abbot St., Andover, MA 01810.

**You will need the ICON serial number when registering your product.**

The serial number can be located on the packing slip located on the outside of the shipping package.

Record the serial number on your registration card and have it available when registering by phone or on-line.

To maximize the benefits of the ICON system A.I.R. Corp. recommends that the system be installed in the room that the primary beneficiary(s) spends the greatest amount of time. The bedroom is the most common choice.

A.I.R. Corp. recommends closing the door to the selected room to help retain the fresh, sterile air delivered by the ICON. Even with the door closed the fresh sterile air will permeate throughout the home forcing contaminated air out.



# Clean Air Delivery System

## Owner's Manual and Installation Instructions

Model ARS-1000





# Clean Air Delivery System

The ICON clean air delivery system is your best protection against harmful indoor air pollution such as pollen, bacteria, mold, fungus and viruses.

The ICON delivers operating room quality air in the comfort of your home and creates a positive pressurized protective shield preventing the infiltration of harmful airborne contamination.

The process starts by taking in and conditioning fresh outdoor air that is free of indoor airborne pollution. The air is then sterilized by exposing it, for a prolonged period of time, to high output germicidal ultraviolet light (UVC) using the same laminar air flow technology as used in a hospital operating room. Combining this technology with a custom designed HEPA filter, the air is cleaned to a 99.999% purity level and delivered into your home. Simultaneously, the ICON's proprietary software and patented control system creates a positive pressurized environment and forms a protective shield throughout your home.

The ICON is easily installed in a standard double hung window. \*

\* For "standard" wood or vinyl double hung windows meeting the minimum to maximum requirements. Custom double hung windows or double hung windows not meeting the minimum to maximum requirements may require semi-professional or professional installation.

## IMPORTANT SAFETY INFORMATION BEFORE INSTALLATION. READ ALL INSTRUCTIONS BEFORE USING and OPERATING THE SYSTEM.



### WARNING!

For your safety, the information in this manual must be followed to minimize the risk of fire, electric shock or personal injury.

#### SAFETY PRECAUTIONS

Use this system only for its intended purpose as described in this Owner's Manual.

This system has been designed to destroy and displace airborne microorganisms. This is accomplished with the use of high output germicidal ultraviolet (UV) light. The germicidal UV light is a concentrated form of that portion of sunlight that causes sunburns. This system has been manufactured to the highest standards to prevent exposure to the UV light under normal operating conditions. The standards include an enclosed UV chamber and safety interlocks to prevent the unauthorized operation of the system. (see operating instructions) Any attempts to operate the system in an unauthorized manner may cause serious injury.



*Serious and painful eye and skin injuries can occur if tampering of the system results in direct viewing of the UV lamps. There is a sensation of "sand" in the eyes photophobia, blurred vision and painful uncontrolled excessive blinking. Symptoms may last up to 24 hours with the corneal pain being severe. Recovery takes 1 to 2 days. Do not tamper with or dismantle the ICON system. Do not insert objects through the front of the ICON grill.*

Install system in accordance with the installation instruction before use.

- Never unplug your system by pulling on the power cord. Always plug firmly and pull straight out from the receptacle.
- Do not use a cord that shows cracks or abrasion damage along its length or at the plug .
- If the supply cord is damaged, it must be replaced by the manufacturer, the service agent or similarly qualified person to avoid a hazard.
- Do not attempt to service this system yourself. Call a certified repair or service tech.
- For your safety... Do not store or use combustible materials, gasoline or other flammable vapors or liquids in the vicinity of this system.
- If the wall receptacle does not match the plug the wall receptacle must be replaced by a qualified electrician. The wall receptacle must be a 3-wire grounding type receptacle and match the supplied ICON power cord plug.
- Do not, under any circumstance, cut or remove the third (ground) prong from the power cord. For personal safety, this system must be grounded.
- Do not use an adapter plug with this appliance.
- We strongly recommend against the use of an extension cord. If you must use an extension cord, it necessary that it be a UL-listed, 14- gauge, 3-wire grounding-type appliance extension and that the electrical rating of the cord be 15 amps (minimum).

#### ICON – Five Year Limited Warranty

This Limited Warranty is extended only to the original purchaser who purchases this product when new and unused from American Innovative Research Corp. (A.I.R.) or an authorized distributor. A.I.R. warrants that the ICON purchased hereunder will be free from defects in material and workmanship under normal use by the original purchaser for a period of five (5) years from the original purchase date. If within such warranty period the ICON shall be proven to be defective, A.I.R. shall, at its option, repair or replace the ICON. This Limited Warranty remains in effect only if your A.I.R. warranty registration has been completed and returned to A.I.R. The foregoing shall be Purchaser's sole and exclusive remedy for any breach of warranty.

To register and validate your product simply fill out the warranty card and mail it to A.I.R. Corp., or on-line at [www.air-us.com](http://www.air-us.com) or by calling customer support at 1.866.437.0044.

The foregoing shall be Purchaser's sole and exclusive remedy for any breach of warranty.

#### IMPORTANT

You need to register your product by completing the warranty registration card that was enclosed in the shipping box and return it by mail or register online at [www.air-us.com](http://www.air-us.com) or by telephone 1.866.437.0044. If you have any questions contact customer support at 1.866.437.0044.

#### Warranty Limitations or Disclaimers

THE FOREGOING WARRANTY SHALL NOT APPLY TO FAILURE TO ADHERE TO THE OPERATING INSTRUCTIONS, MISUSE, ACCIDENT, WEAR AND TEAR, IMPROPER POWER CONNECTION, OR UNAUTHORIZED REPAIR. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED BY A.I.R.. THE SOLE REMEDY FOR VIOLATIONS OF ANY WARRANTY SHALL BE LIMITED TO REPAIR, REPLACEMENT OF THE DEFECTIVE PRODUCT OR REFUND PURSUANT TO THE TERMS PROVIDED HEREIN. A.I.R. SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGE, OR LIMITATION OF HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSION AND LIMITATION MAY NOT BE APPLICABLE. THIS WARRANTY SHALL BE EXTENDED TO COMPLY WITH STATE LAW AND REQUIREMENTS.

#### To Obtain Warranty Service

All products you wish to return for warrant service must be accompanied by a Return Authorization Number (RA). This number and shipping instructions can be obtained by contacting customer support at [info@air-us.com](mailto:info@air-us.com) or call 1.866.437.0044.

## CONSIGNES DE SECURITÉ

### Utilisez ce système seulement pour usage prévu comme décrit dans ce manuel du propriétaire

- Ce système a été conçu pour détruire les microorganismes. Ceci est accompli avec l'utilisation de la sortie ultraviolet (UV) germicide. La lumière UV germicide est une forme concentrée de cette partie de la lumière du soleil qui provoque les coups de soleil. Ce système a été fabriqué par les plus hauts standards pour prévenir l'exposition à la lumière UV dans les conditions normales d'exploitation. Les normes comprennent une chambre UV et verrous de sécurité pour empêcher l'exploitation non autorisée du système. (voir les instructions de fonctionnement)

Toutes tentatives pour faire fonctionner le système d'une manière autorisée peut entraîner des lésures graves.

**ATTENTION:** La lumière UV. Ne pas regarder directement la lumière. Oculaires graves et douloureux des lésions cutanées peuvent se produire la trempe de les résultats de système de visualisation directe des lampes UV. Il y a une sensation de "sable" dans les yeux photophobie, vision trouble et douloureuse incontrôlée excessive cligner. Les symptômes peuvent durer jusqu'à 24 heures avec la douleur la cornée étant sévère. La récupération prend de 1 à 2 jours.

Ne pas toucher avec ou démanteler le système ICON.

Ne pas insérer d'objets étrangers à travers de la grille ICON.

**ATTENTION:** L'appareil ne doit pas être utilisé par des enfants ou des personnes dont les capacités physiques, sensorielles ou mentales ou le manque d'expérience et de connaissances, à moins qu'elles n'aient été données de supervision ou d'enseignement. Les enfants doivent être surveillés pour ne pas jouer avec l'appareil.

- Ce système doit être correctement installé conformément aux instructions d'installation avant l'utilisation.
- Jamais arrêter votre système en tirant sur le cordon d'alimentation. Saisissez toujours fermement et tirez de la prise.
- Ne pas utiliser un cordon qui a des fissures ou de dommages, à l'abrasion sur toute sa longueur ou à la fiche ou l'extrémité du connecteur. Dans le cas où votre cordon est endommagé, contactez immédiatement le fabricant. L'extrémité du connecteur. Dans le cas où votre cordon est endommagé, contactez immédiatement le fabricant.
- Éteignez le système et débranchez votre système avant de nettoyer.
- Ne pas essayer de réparer ce système vous-même. Appelez un technicien certifié de réparation ou de service.
- Pour votre sécurité... Ne pas utiliser des matériaux combustibles, essences ou autres vapeurs ou liquides inflammables dans le voisinage de ce système.
- Si la prise murale ne correspond pas à la fiche de la prise murale, la prise doit être remplacée par un électricien qualifié. La prise murale doit être un réceptacle 3-fil de type de terre et correspondre à la prise ICON cordon d'alimentation fournie.
- Ne pas, sous aucune circonstance, couper ou enlever la troisième (terre) du cordon d'alimentation. Pour votre sécurité, ce système doit être mis à la terre.
- Ne pas** utiliser un adaptateur avec cet appareil.
- Nous recommandons fortement contre l'utilisation d'un cordon extension. Si vous devez utiliser une rallonge, il est nécessaire que ce soit un UL, de calibre 14, 3 fils extension de l'appareil de type de terre et que les caractéristiques électriques du cordon de 15 ampères (au minimum).

# ICON – Installation Instructions

Questions? Call +1.866.437.0044 to speak with a person in customer support.

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Instructions

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Installation and  
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## BEFORE YOU BEGIN


Read these instructions completely and carefully.

- **IMPORTANT** - Save these instructions for future reference.
- **IMPORTANT** - Observe all governing codes and ordinances.
- **Skill level** - Installation of this appliance requires basic mechanical skills.
- **Install time** - Approximately 1 hour
- We recommend that two people install this product.
- Proper installation is the responsibility of the owner/installer.
- Product failure due to improper installation is not covered under the Warranty.
- Use proper installation procedures as described in these instructions when installing this system. Installation may not require the use of all of the clips or hardware.

## ELECTRICAL REQUIREMENT

The 3-prong grounding plug minimizes the possibility of electric shock hazard. If the wall outlet you plan to use is only a 2-prong outlet, it is your responsibility to have it replaced with a properly grounded 3-prong wall outlet.

 **CAUTION:**  
Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.  
Do not change the plug on the power cord of The ICON system.  
Aluminum house wiring may present special problems—consult a qualified electrician.

 **ATTENTION :** Ne pas, dans aucune circonstance, coupe ou enlever la troisième fourche (de la terre) du cordon de secteur.  
Ne changez pas la prise sur le cordon de secteur du système d'ICÔNE.  
Le câblage en aluminium de maison peut présenter spécial problème-consultent un électricien qualifié.

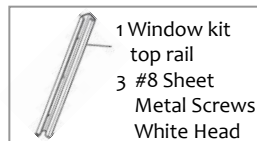
## UNPACK THE CONTENTS

ICON System

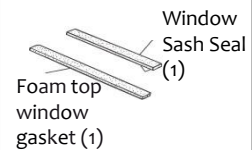


Owner's Manual

Warranty Card



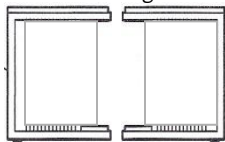
1 Window kit top rail  
3 #8 Sheet Metal Screws  
White Head



Window Sash Seal (1)  
Foam top window gasket (1)

Window Installation Kit

Left Panel Right Panel



Window Locking Bracket (1)



3 Wood Screws

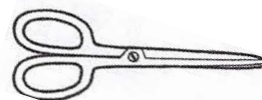
Air flow Demonstration Kit

Ships disassembled:  
1 left & 1 right side frame  
1 measuring lined cover panel  
3 unlined cover panels  
2 insulation foam

## TOOLS YOU WILL NEED



#3 or #4 Phillips head screwdriver



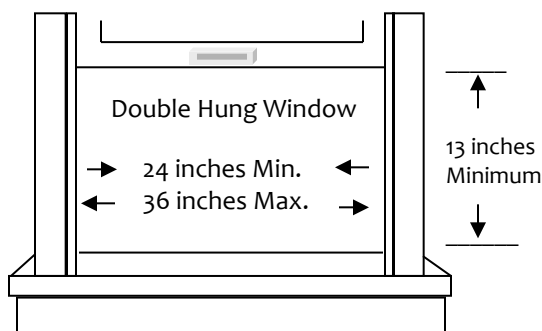
Medium Scissors

Note: A drill may be required for pilot holes.

# ICON – Installation Instructions for Double Hung Windows

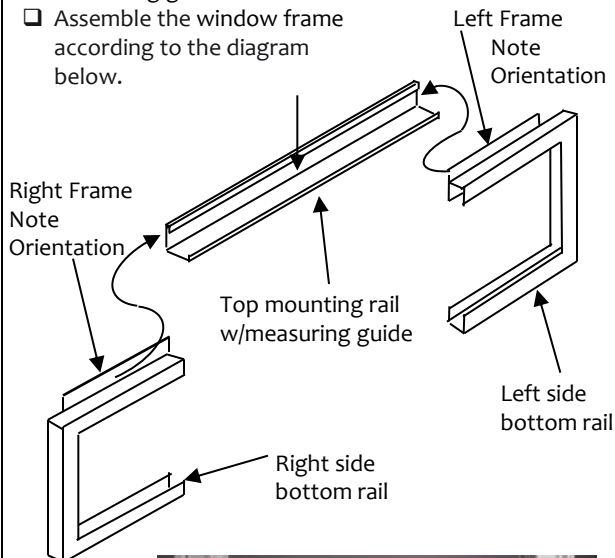
## 1 WINDOW REQUIREMENTS

- ❑ After selecting the best window location for your ICON system, the window must be measured.
- ❑ The window area should be free from any obstructions inside and outside of your home to adhere to min/max requirements.
- ❑ The electrical outlet must be within six feet of center of the window sill.



## 2 WINDOW KIT ASSEMBLY

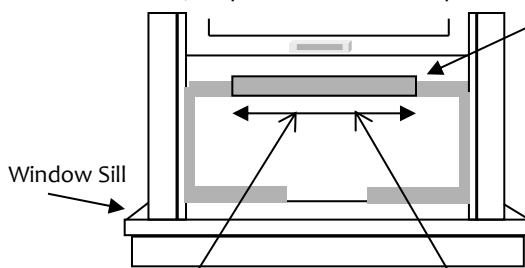
- ❑ The top mounting rail of the window kit includes a measuring guide.
- ❑ Assemble the window frame according to the diagram below.



## 3 WINDOW KIT cont.

- ❑ Open the window the ICON will be installed in.
  - ❑ With the tall side of the top mounting rail toward you place the 3 assembled parts into the frame of the window.
- The bottom rail of the left and right frames should be beyond the back of the sill and flush up against it. Push the left and right window panel frames, firmly against the window frame in the track of the window.

- ❑ The frame is now in the same position as in the final assembly.
- ❑ Position check – close the window, the window frame should close past the tall edge of the top window bracket and flush to it, reopen the window and proceed.



- ❑ Slide the top rail left or right so that the exposed numbers are the same at both ends of the top rail.

Example: (10 – 10 or 20 – 20)

Record the number in the box to the right:

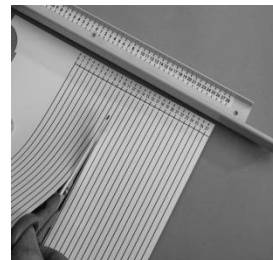
this will be used for cutting the insulation and the side panels to the proper size for the window. Remove the assembled parts from the window.

## 4 TRIMMING THE SIDE PANELS

- ❑ One of the 4 panels will be marked with numbers and lines on the white side of the panel. Cut this panel on the line with the same number as recorded in the box in step 3. This panel is now the cutting template.

Example: if the recorded number is 10; cut along line 10

Using the template from above, Cut the 3 remaining panels and The two pieces of insulation foam to the same size as the Cutting template. Place the template on top of the 2 foam pieces and the remaining 3 panels one at a time and cut each piece .

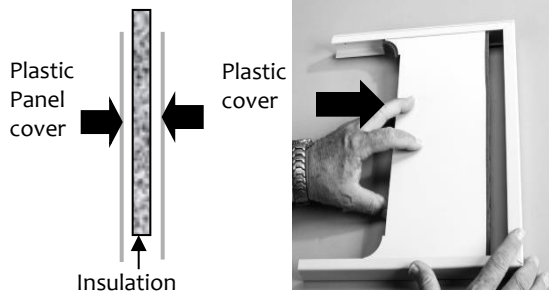


# ICON – Installation Instructions

## 5 ASSEMBLE THE TRIMMED SIDE PANELS

- ❑ Assemble covers, foam and frame as shown below and set aside.

White side of panel facing toward the foam



- ❑ Attach the top mounting rail to the ICON with 3 sheet metal white head screws in the window kit. The tall mounting rail edge must be oriented toward the front of the ICON system.

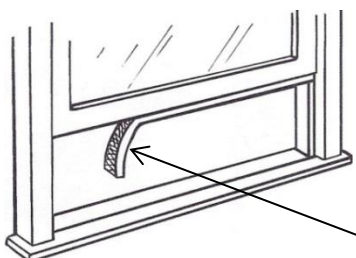


- ❑ Insert the side panels assemblies into the top and bottom rail and push the assemblies firmly against the shell of the ICON. Make sure the plastic panels are inside the frame on all sides, front and back.



## 6 PREPARE THE ICON WINDOW

- ❑ Cut the window sash seal foam tape to the proper length to fit the entire length of the underside of the window sash.



This is the thin foam tape with the adhesive backing. Remove the paper backing and press the adhesive side of the foam to the under side of the sash as shown.

## 7 STORM WINDOW REQUIREMENTS

The following steps only apply when a storm window exists on the window the ICON is being installed in and it restricts proper installation.

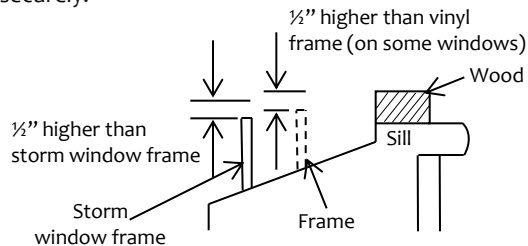
A storm window frame may not allow the ICON to tilt toward the outside, and will keep it from draining properly. To adjust for this, attach a piece of wood on the sill and flush to the back of the sill.

### WOOD PIECES (not supplied)

WIDTH: 2"

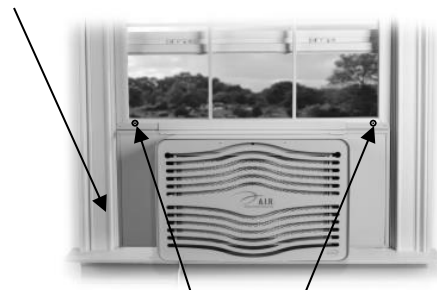
LENGTH: Long enough to fit inside the window frame from side to side.

THICKNESS: To determine the thickness, place a piece of wood on the sill to make it 1/2" higher than the top of the storm window frame or the vinyl frame. Attach securely.



## 8 INSTALL THE ICON IN THE WINDOW – One side at a time

- Open the window to the maximum height. Lift or remove the screen or storm window, if applicable.
- Place the ICON on the window sill at a slight left to right angle. Holding the system firmly to support the weight, slide the system bottom rail past the window sill. Install the ICON one side at a time. Set one side into the window track and then pull the system toward you until the other side is firmly in the opposite window track.
- Lower the upper window. The bottom of the window sash should rest on top of the unit. The face of the top mounting rail must be flush with the window sash.
- Make sure the left & right panel frames are tight against window tracks channels.



- Install the frame locking screws (2 – supplied with kit) on the right (1) and left (1) side rails in the upper window frame sash as illustrated above.

NOTE: To prevent the window frame from splitting, it may be necessary to drill pilot holes before driving the screws.

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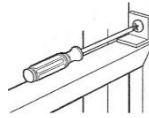
# ICON – Installation Instructions

## 9 INSTALL WINDOW LOCKING BRACKET AND FOAM WINDOW GASKET

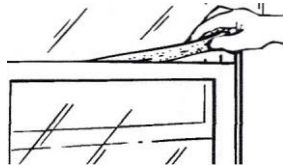
- A** Attach the window locking bracket to the window side jam with one screw as illustrated below.

**CAUTION:**

To prevent broken glass or damage to windows, on vinyl or other similarly constructed windows, attach the window locking bracket to the window side jam with one screw.



- B** Cut the foam window gasket to fill the entire opening length between upper window pane and the top frame of the lower window.
- C** Slide the cut foam between the outer window pane and the inside window frame top.



**NOTE:** If the gasket supplied does not fit your window, the appropriate material and size can be obtained from your local hardware store to provide a proper insulation seal.

# ICON – Operating Instructions

## Please Note:

- ❑ When the weather conditions are severe please turn off the ICON system.
- ❑ When the ICON is powered up the on-board computer automatically adjusts the ICON to deliver clean, fresh, sterile air into your home.
- ❑ If the green LED display light is on – the ICON is running.
- ❑ When operating under "normal" conditions the ICON system is extremely quiet. You should hear the soft hum of the small (muffin) fan, the operating hum is whisper quiet.
- ❑ If you are still uncertain if the system is operating, follow the demonstration test kit procedure (included).

## Display LED (viewed through grill)

When the system is plugged into a 110-120 AC grounded outlet the display LED will light up and appear as a combination of orange and green.

When the system is turned ON the display LED will turn Green.

If the display LED flashes red refer to the troubleshooting section of the manual.

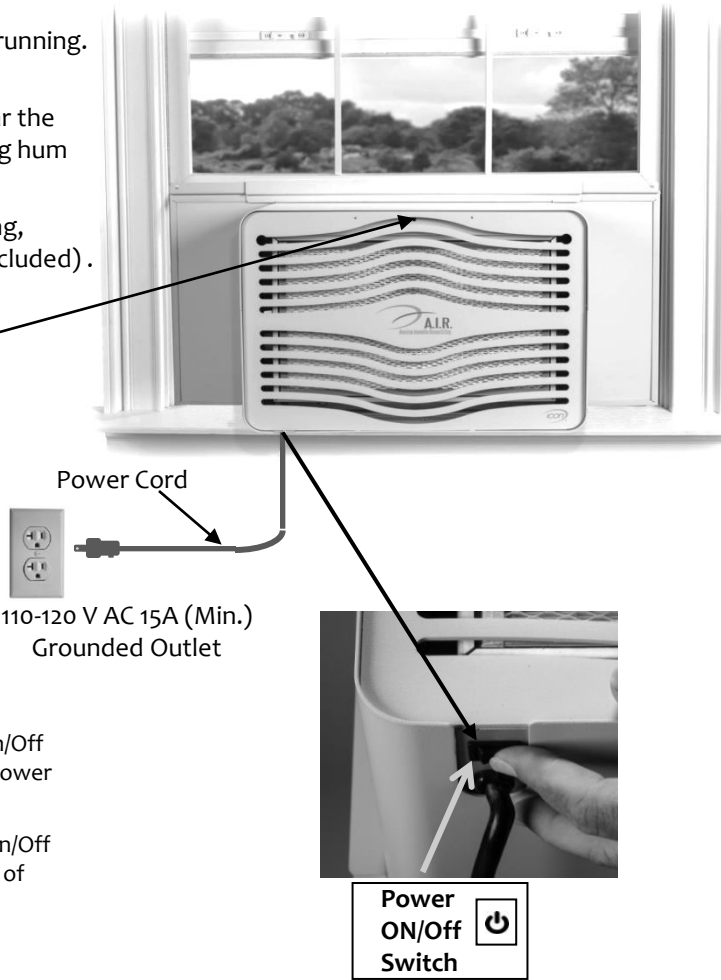
## Power On / Off

To turn the system ON: Press and hold the power On/Off Switch, the display LED will turn green, release the power switch.

To turn the system OFF: Press and hold the power On/Off Switch, the display LED will appear as a combination of orange and green, release the power On/Off switch.

### Power Outage or Interruption

In the case of a power outage or interruption, when power is restored the ICON will automatically reset to the last operating conditions before the power interruption.



## ICON – Care and Cleaning

### Grill and Enclosure Care

To clean the surface of the system, wipe with a damp clean cloth.

### DO NOT USE

Detergents, bleach, ammonia or abrasives to clean the ICON.



# Filter Cleaning or Replacement

A.I.R. Corp. recommends cleaning the aluminum mesh pre-filter every **six months** and changing the removable cartridge (UV lamps, HEPA and carbon filters) every **24 months**.

## Pre-Filter Cleaning or Replacement

**Before replacing the pre-filter, turn the system off and unplug the system from the wall outlet.**

### 1. Remove the Grill

Be Careful not to drop the Grill.

Remove the grill by using the finger holes on the upper left and right of the grill.

Pull the top of the grill forward a few inches while applying a slight downward pressure on the grill. The downward pressure will keep the two locating tabs at the bottom of the grill in the corresponding locating slots in the enclosure. Grasp the upper corners of the grill firmly and lift the grill up and out of the ICON enclosure.

Finger Holes

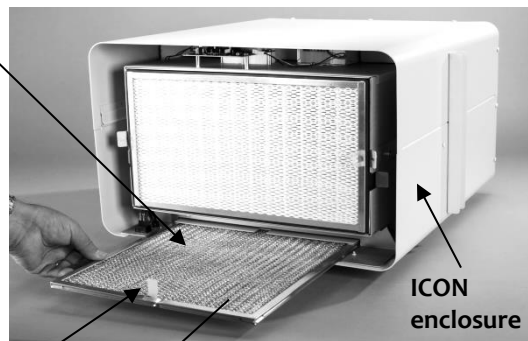


Grill

### 2. Remove the Pre-filter.

The aluminum mesh filter can now be removed for washing or replacement by pulling the plastic tab on the front center of the filter and sliding the filter out of the system.

Pre-filter



ICON  
enclosure

### 3. Washing the pre-filter.

Wash the pre-filter with detergent and a soft bristle brush. Rinse the pre-filter thoroughly with clean water and dry it using a soft cloth.

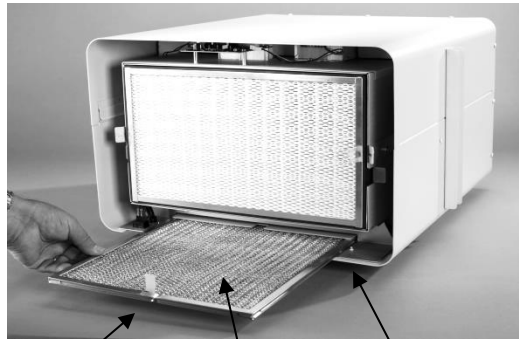
Plastic tab

Pull filter straight out

# Filter Cleaning or Replacement

## 4. Replacing the Pre-filter

Replace the pre-filter by aligning the filter in the pre-filter channel with the plastic tab facing up and out and firmly pushing the filter into the system.

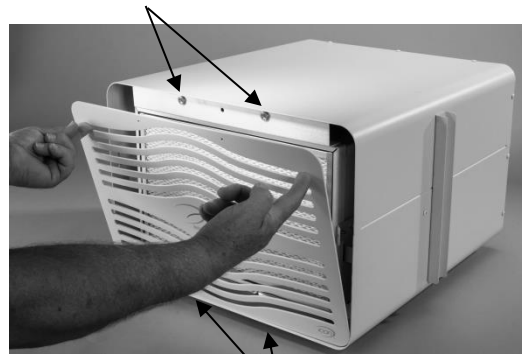


Push filter straight in      Clean washed or new filter      Pre-filter channel

## 5. Replacing the front grill

With the front of the grill facing you and finger holes along the top, grasp the upper left and right corners of the grill. Hold the grill at a slight angle and align the two locating tabs at the bottom of the grill with the two grill locating slots at the bottom of the grill opening of the ICON system enclosure. Insert the tabs in the slots and push the top of the grill into place and the magnetic catch will “pop” the grill into position.

Grill attachment magnets



Grill locating tabs & slots

# Replace the UV Lamps, HEPA and Carbon Filter Cartridge

## Replacing the Cartridge

- A** The system computer has a run time clock that keeps track of the total time the system has been running.
- B** At the end of 24 months of accumulated run time the LED display will continuously flash RED indicating it is time to replace the ICON cartridge.
- C** A.I.R. Corp. has designed an easily replaceable cartridge assembly to simplify the 2 year maintenance. The cartridge contains the germicidal UV lamps and the HEPA and carbon filters.  
The cartridge is the heart of the system and should be changed to optimize system performance and provide the highest quality and amount of clean, fresh, particle free air possible.

After two years of continuous operation when the LED display continuously flashes red the system will continue to operate, however you should contact customer support at 1.866.437.0044 to order a new cartridge assembly .

# ICON – Troubleshooting Tips

**NOTE: The first step to all problem conditions is to confirm that the electrical outlet is working properly. Check the outlet with a working appliance or lamp.**

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LED Display Color	Problem	Possible Causes	What To Do
Not lit	ICON does not start.	The ICON is unplugged.	Make sure the ICON's power cord plugs are pushed completely into the wall outlet.
		The circuit breaker is tripped.	Check the house fuse/circuit breaker box and replace the fuse or reset the breaker if necessary.
		Make sure that the electrical outlet is not controlled by a light switch. Note: Some room receptacles are controlled by a switch located in the room or elsewhere.	Turn the light switch controlling the electrical outlet to the on position.
Combination of Orange & Green		Bezel is not seated properly against the system.	Insure the top of the grill is properly installed (page 11, step #5).
Not lit	The ICON is running but the display area does not illuminate.	The display LED malfunctioned	Do not attempt to dismantle the unit. Call A.I.R. Corp. for service at +1-866-437-0044.
Green	The ICON is ON but there is no air flow coming out of the front of the system.	Airflow is restricted.	Condition can be confirmed by use of the air flow demonstration kit. Make sure there are no curtains, blinds or furniture blocking the front of the ICON. Remove snow , ice or leaves blocking the input. Clean the pre-filter.
		The ICON chamber fan is not working.	Condition can be confirmed by use of the air flow demonstration kit. Do not attempt to dismantle the system. Call A.I.R. Corp. for service at +1-866-437-0044.
Green	The Fan on the back of the ICON is not working.	The fan visible in the rear of the system is part of the dehumidify section. This fan will only turn on if the air is humid or hot. It is normal for the fan to be stopped when the temperature and humidity are normal.	This is normal system operation.
Green	Water drips outside.	Hot, humid weather.	This is normal.
Red Flashing (intermittent codes)	ICON malfunction.	Various.	Do not attempt to dismantle the system. Call A.I.R. Corp. for service at +1-866-437-0044.
Red Flashing continuously	2 year maintenance required.	ICON operational for a total of 2 years elapsed time.	Replace lamp and filter cartridge. Do not attempt to dismantle the system. Call A.I.R. Corp. for service at +1-866-437-0044.

## Normal Operating Sounds

You will hear a very low humming noise which is normal. This sound is generated by the constant flow of fresh sterile air into your home. The unit will occasionally adjust the air pressure in your room to keep airborne contaminants from entering. You will hear a temporary 1-2 second airflow adjustment sound which is normal.

# ICON – Specifications

## ICON Specifications for Model ARS-1000 Positive Pressure Fresh Air Delivery System

Part Number: 40460000

The following specifications define the most advanced air sterilization system available to the public and therefore can not be compared to specifications of a standard air cleaner.

### Specifications

#### Air Flow

##### Fresh Air Delivery Rate

Positive Fresh Air Pressure

Contaminated Air replacement Rate

15 to 30 CFM Fresh Sterile Air

0.020 WC (0.0005 Psi) +/- 50%

21,600 CFM/day to 43,200 CFM/day

#### Filtration

Submicron HEPA Filter 99.997% ≥ @ 0.3 microns

Activated Carbon Filtration

Average Filter Life

Wire Mesh Pre-filter (washable)

Replaceable

Replaceable

24 Months Continual Use\*

Replacement not required, unless damaged

#### Sterilization

Air Sterilization Effectiveness

UVC Air Sterilization

Average UVC Lamp Life

99.9999% for sample pathogens

Ultraviolet germicidal radiation

24 Months Continual Use

#### Control Panel

ON/OFF Rocker Switch

#### Power Requirements

Voltage

Power – Normal Operation

Power Cord

110-120 VAC 60Hz (Grounded)

90 watts

7 feet

#### Fresh Air Treatment

Air Heated at 10° below zero

Air Dehumidified Maximum

Air Cooled Maximum

0 – 650 watts (max.)

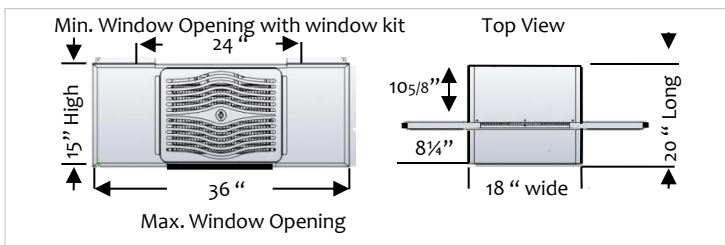
0 – 120 watts

0 – 120 watts

#### Physical Data

ICON Dimensions (in inches)

Window Kit



32 Pounds

#### Weight of ICON & Window Kit

#### ICON Construction

External Components

Electrostatic painted Aluminum

#### Accessories

Window Kit (Assembly Required)

Owners Manual & Warranty Card

Test Kit

Included

Included

Included

Shipping Information

Box Size in Inches

Shipping Weight

25.5"L x 23.5"W x 19.25"H

41.0 Pounds

#### \* Factors effecting Filter Life

• Outside environment

• Hours of operation

**Note:** Submicron HEPA filter and Activated Carbon filter must be replaced within 24 months.

All technical specifications are subject to change without prior notice.

## ICON ARS- 1000    Accessories & Replacement Filters

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ICON Cartridge Assembly p/n: 40460280	Replace every 24 months of continuous use. The cartridge assembly includes the UV lamps & bulb assembly and the HEPA and charcoal filters.
ICON UV Lamp & Bulb Assembly p/n: 40460275	Replace every 24 months of continuous use. The UV Lamp & Bulb Assembly is contained in the cartridge assembly.
ICON Submicron HEPA Filter p/n: 40444072	Replace every 24 months of continuous use. The HEPA filter is contained in the cartridge assembly.
ICON Activated Carbon Filter p/n: 40460016	Replace every 24 months of continuous use. The Carbon filter is contained in the cartridge assembly.
ICON Wire Mesh Pre-filter (washable) p/n: 40460267	Replacement not required, unless damaged
ICON Window cover/insulation kit p/n: 40450450	As needed

For pricing and ordering information please contact customer support at 1.866.437.0044 or our website at [www.air-us.com](http://www.air-us.com).