

PuriFresh[®]

FRESH AIR DUCT ADAPTER

For Connecting the PuriFresh[®] ERV to the IQAir[®] HealthPro Series

INSTALLATION MANUAL AND OPERATING INSTRUCTIONS

CAUTION:

READ AND UNDERSTAND THIS MANUAL THOROUGHLY
BEFORE INSTALLING OR OPERATING THE SYSTEM!

ALSO, BE SURE TO READ AND UNDERSTAND THOROUGHLY
THE MANUALS FOR THE PURIFRESH[®] CLEAN ROOM AND THE
PURIFRESH[®] ENERGY RECOVERY VENTILATOR BEFORE
INSTALLING OR OPERATING THE SYSTEM!

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Made in the USA

I. INTRODUCTION

The PuriFresh® Fresh Air Duct Adapter allows you to connect the air intake of the IQAir® HealthPro series room air purifier to the fresh air outlet of the PuriFresh® Energy Recovery Ventilator.

With the PuriFresh®-IQAir® System, you can ventilate your room with an ample supply of fresh outside air year round, without making your room cold in winter or hot and humid in summer. The fresh outside air is completely scrubbed of particulates, **before** entering the room. In addition, an ample flow of room air is passed through the IQAir® HealthPro series air purifier, eliminating particulates generated indoors.

II. INSTALLATION

In addition to the PuriFresh® ERV, the PuriFresh® Fresh Air Duct Adapter, and one of the IQAir® HealthPro series room air purifiers, you will need an IQAir® InFlow™ W125 InFlow Wall Ducting Kit.

Open the PuriFresh® Fresh Air Duct Adapter Kit, shown in Figure 1, and verify that it contains the following components:

1. The PuriFresh® Fresh Air Duct Adapter – 5 inch
2. Two #4 sheet metal screws with button “strikes” for the load rated latches.
3. Four #6 screws and four #6 nuts.



Figure 1: PuriFresh® Fresh Air Duct Adapter Kit.

Open the IQAir® InFlow™ W125 InFlow Wall Ducting Kit and locate the “internal flange with backdraft damper”. Attach it to the PuriFresh® Fresh Air Duct Adapter as shown in Figure 2. Be sure to orient the backdraft damper as shown in the Figure.



Figure 2: Attach the IQAir® "internal flange with backdraft damper" to the PuriFresh® "fresh-air duct adapter" with the #6 screws and nuts.

Install the PuriFresh® Energy Recovery Ventilator, carefully following all the instructions supplied with the unit. If you have misplaced your instructions, you can view them at our website, www.purifresh.com, or contact us for a replacement. Screw the two #4 sheet metal screws with strikes into the two holes shown in Figure 3. Do not over-tighten.



Figure 3: Screw the two sheet metal screws with strikes into the two holes, one on each side of the PuriFresh® ERV.



Figure 4: Hold the Fresh Air Duct Adapter up to the face of the ERV with the latches swung to the sides, then secure the latches to the strikes and close them.

Hold the PuriFresh® Fresh Air Duct Adapter up to the face of the PuriFresh® Energy Recovery Ventilator, with the latches swung to the sides. Secure the latches to the button strikes and close them, securing the Fresh Air Duct Adapter to the Energy Recovery Ventilator as shown in Figure 4.

Open the box containing your IQAir® HealthPro Series filtration device. Remove the filtration device. From the IQAir® InFlow™ W125 Kit, attach the Suction adapter, Base extension blocks, and the Square-to-round duct connector to the IQAir® filtration device. Figure 5 shows the IQAir® HealthPro Compact after these parts of the IQAir® InFlow™ W125 Kit have been attached.



Figure 5: The IQAir® HealthPro Compact with Suction adapter, Base extension blocks and Square-to-round duct connector attached.



Figure 6: Place the IQAir[®] HealthPro Series device close to the PuriFresh[®] Energy Recovery Ventilator, and connect the flexible duct, securing it with the two hose clamps, as shown.

Place the IQAir[®] HealthPro Series device close to the PuriFresh[®] Energy Recovery Ventilator and connect them using the flexible 5-inch duct supplied with the InFlow[™] W125 kit. Use the hose clamps, supplied with the InFlow[™] W125 kit, to secure the duct at both ends. Figure 6 shows the completed assembly.

III. OPERATION

After the connections have been made as described above, plug both units into a power outlet, following all of the precautions and requirements listed in the respective manuals.

Turn both the PuriFresh® Energy Recovery Ventilator and the IQAir® HealthPro Series filtration device on. When operating the system, always have the IQAir® HealthPro Series filtration device on an air delivery rate of 70 CFM (Cubic Feet per Minute) or greater. (If you wish to run the PuriFresh® Energy Recovery Ventilator only, disconnect the Fresh Air Duct Adapter from it, using the two latches located on either side of the Fresh Air Duct Adapter.)

Ideally, run the IQAir® HealthPro device at a flow of approximately 110 CFM, with the PuriFresh® ERV at it's lowest setting for the most quiet, yet efficient operation. Keep the door and windows closed in the room the System is operating, and seal any large gap under the door.

IV. MAINTENANCE

Follow the maintenance procedures for the PuriFresh® Energy Recovery Ventilator and the IQAir® HealthPro series device, as described in their respective manuals.

In addition, clean the black sponge filter of the air intake on the Fresh Air Duct Adapter, on a regular basis. Referring to Figure 1, the black sponge filter is on the right of the Fresh Air Duct Adapter. Since room air flows into the filter and dust collects on the room side, it can be easily cleaned by vacuuming it with the dust attachment of your vacuum cleaner.

V. WARRANTY

The components of the kit have a full one year warranty on manufacturers defects covering all parts and labor for repair. The warranty does not cover damage caused by the consumer due to improper handling or installation. If you are experiencing a problem, first contact us by phone, mail or fax. If we cannot assist you in solving the difficulty, we will make arrangements to either repair or replace the defective component.