

PuriFresh[®]

FRESH AIR DUCT ADAPTER

For Connecting the PuriFresh[®] ERV to the PuriFresh[®] Clean Room

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 fresh air intake of the PuriFresh® Clean Room to the fresh air outlet of the PuriFresh® Energy Recovery Ventilator. Now you can use your PuriFresh® Clean Room year-round without paying an arm and a leg for heat and humidification in winter, or air-conditioning in summer. Aside from the cost, comfort is enhanced because the air entering the room is much more comfortable, reducing hot or cold spots in the room when the weather outside is extreme.

II. INSTALLATION

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
2. One flexible 4 inch duct
3. Two #4 sheet metal screws with button “strikes” for the load rated latches.

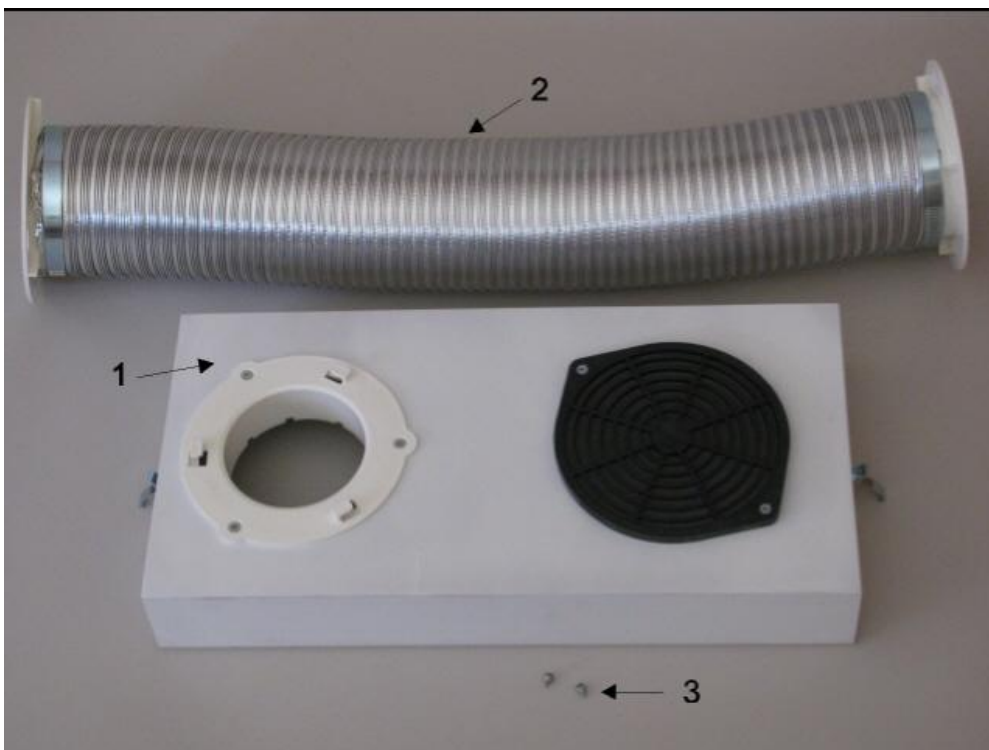


Figure 1: PuriFresh® Fresh Air Duct Adapter Kit.

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 2. Do not over-tighten.



Figure 2: Screw the two sheet metal screws with strikes into the two holes, one on each side of the PuriFresh® ERV.



Figure 3: 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 3.

Place the PuriFresh® Clean Room close to the PuriFresh® Energy Recovery Ventilator and connect the outlet of the PuriFresh® Fresh Air Duct Adapter to the inlet of the PuriFresh® Clean Room, using the flexible 4-inch duct supplied with your kit. Figure 4 shows the completed assembly. We use a commercially available product called the DryerDock™, to facilitate easy connection and disconnection of the hose. The first time, it is helpful to loosen the hose clamp for the second connection. Make the connection. Then, tighten the hose clamp.



Figure 4: The PuriFresh® Clean Room connected to the PuriFresh® ERV using the PuriFresh® Fresh Air Duct Adapter.

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 the PuriFresh® Clean Room on high. When operating the system, always have the PuriFresh® Clean Room on high. (If you wish to only run the PuriFresh® Energy Recovery Ventilator, disconnect the Fresh Air Duct Adapter from it, using the two latches located on either side of the Fresh Air Duct Adapter.)

Turn the PuriFresh® Energy Recovery Ventilator on. When it is turned on the highest setting, the flow of fresh outside air will be approximately 75 CFM (Cubic Feet per Minute). When it is on the lowest setting, the flow of fresh air will be approximately 55 CFM.

IV. MAINTENANCE

Follow the maintenance procedures for the PuriFresh® Energy Recovery Ventilator and the PuriFresh® Clean Room, 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.