



Operation Manual

HealthWay 950P

COMMERCIAL PORTABLE
AIR PURIFICATION SYSTEM

 HealthWay®

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This manual also covers services for Intellipure and Pure.



Part Number: #10065

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Address: HealthWay, Inc.
3420 Maple Ave.
Pulaski, NY 13142

Phone No: 315-298-2904
1-800-843-3860

Email: info@healthway.com

Limited Warranty

This one year Limited Warranty applies only to the repair and replacement of any manufactured or supplied part of this product which, upon inspection by HealthWay authorized personnel, proves to have failed in normal use due to defects in material or workmanship. A return authorization must be obtained before any product is shipped to the manufacturer for warranty repair and all transportation charges must be prepaid all work must be performed by a HealthWay authorized technician. The sole responsibility of HealthWay under this Limited Warranty is, at its sole discretion, to either repair or replace a duly registered product (or defective part thereof) with the same comparable model within a reasonable period of time, subject to the following exclusions, limitations, statutory rights, and warranty claim procedures. This Limited Warranty is exclusive, and HealthWay expressly disclaims all other or additional warranties, whether written or oral, expressed or implied, including, but not limited to, warranties of merchantability, workmanship, or fitness for a particular purpose.

EXCLUSIONS

- A. This Limited Warranty does not apply, or is void, as to any product or part damaged by (1) accident, misuse, abuse, or lack of reasonable care or normal maintenance; (2) installation or operation under conditions other than those recommended by HealthWay; (3) subjection of the product to any but the specified voltage; (4) servicing or disassembly by unauthorized personnel; (5) defacing the serial number; or (6) modifying the original factory assembled unit in any way.
- B. THIS LIMITED WARRANTY DOES NOT APPLY TO SHIPPING CHARGES FOR PRODUCT SHIPPED TO OR FROM THE FACTORY OR DESIGNATED SERVICE CENTER IN CONNECTION WITH WARRANTY CLAIMS NOR DOES IT APPLY TO ANY DAMAGES OCCURRING DURING SUCH SHIPMENT.
- C. This Limited Warranty does not apply to labor for installation, removal, re-installation, and/or travel or shipping expenses and related expenses.

This Limited Warranty does not apply to replaceable filters.

LIMITATIONS

HealthWay shall not be liable for property, incidental, and/or consequential damages of any kind and, unless otherwise prescribed by applicable state law, HealthWay shall not be liable for personal injury resulting from malfunctions, defects, misuse, improper operation or installation, or alteration of a HealthWay product or any part thereof. The exclusive remedy for a breach of this Limited Warranty is the repair or replacement of the defective product. In no case, shall liability under any other remedy prescribed by law exceed the purchase price of the product.

WARRANTY CLAIM PROCEDURE

This information is provided as a guide regarding warranty claim procedures for HealthWay Products, Inc air purification systems.

1. Determine model number from the label on the unit.
2. For technical support, warranty information, warranty parts or replacement parts, call HealthWay Products at 315-298-2904 or 1-800-843-3860 from 8:00 AM-5:00 PM EST a HealthWay representative will help you troubleshoot and diagnose the problem. Warranty matters involving products sold through a manufacturer representative should be directed to the appropriate representative.
3. Important: Do NOT return anything without a Return Authorization.
4. All returned parts are quality tested. If the returned part is found not to be defective, you may be invoiced for the new part.

Safety Precautions

SAFETY PRECAUTIONS

Personnel, who will operate this system, or those who will perform maintenance thereon, must be given all manuals and other instructions regarding safe operation of the filtration system.

This manual contains general recommendations, but specific requirements may apply to individual installations. Such requirements are outlined in federal, state, and local codes. Compliance with applicable codes and strict adherence to these installation instructions are the sole responsibility of the user.



This symbol will be used throughout this manual to indicate safety checkpoints. Failure to heed these warnings and notices may result in damage to the unit and/or injury to personnel.

Receiving and Storage



Must install the Prefilter and V-Bank Main Filter before turning on the unit.

RECEIVING

Your unit has been carefully packed to avoid damage in shipping and storage. Equipment is prepared for shipment in accordance with the Uniform Freight Classification. It is thoroughly inspected at the factory and barring damage in transit, should be received in good condition.

When a freight carrier signs the HealthWay bill of lading, the carrier accepts the responsibility for any subsequent shortages or damage evident or concealed. Inspection by the carrier of damage evident or concealed must be requested. Evident shortage or damage should be noted on the carrier's delivery document before signature of acceptance. Claims must be made against the carrier by the purchaser.

Filtration systems are shipped as fully assembled filter units.

STORAGE

Store it in a dry place protected against moisture, dust, physical damage, weather, corrosion and excessive heat.

System Overview

UNIT DESCRIPTION

The Air Cleaning System is a high performance system that utilizes patented award-winning Disinfecting Filtration System technology. DFS technology electrically converts a low efficiency, high flow, low pressure drop filter to high efficiency while retaining the low pressure drop and longer life advantages of the base filter material. This technology has also been shown to inhibit bacteria growth on the filter.

The Electrical Components are located in an enclosed electrical box inside the unit.

The 950P Portable DFS Air Cleaning System is available in the following models:

	Height		Width		Depth		Weight	
950P	44in	1,118mm	18in	457mm	28in	711mm	155 lb	70 kg
With VOC Filter	57in	1,448mm	18in	457mm	28in	711mm	81 lb	37 kg

COMPONENT DESCRIPTION

The 950P Portable DFS Air Cleaning System integrates the system components into a single, portable unit: the Prefilter, V-Bank Main Filter and the High Energy Grid are accessible from the back service door. The fan inlet screen is located on the bottom side of the unit and provides protection from loose items being drawn into the fan and thus damaging the unit and the internal components.

Electrical controls are located on the front of the unit. It consists of the Main Power ON-OFF switch with a Blue LED to indicate High Voltage Power Supply power status, Blower Speed Status and Blower Speed Control Switch.

Replacement Filters	Efficiency	Replacement Period*
Prefilter	MERV-10 (50% Efficiency)	1-2 times per year
VOC Post Filter	Formaldehyde > 99% Benzene > 99% Toluene > 99%	Optional V-Bank: once a year
DFS V-Bank Main Filter	99.99% Efficient (down to .007 microns)	once a year



Please confirm your model number and follow the instructions for that model. The electrical power requirements for each individual unit are on the data plate label. These requirements supersede all other inferences to power requirements.

Installation Procedures

POWER REQUIREMENT

The power requirements are as follows:

*Electrical disconnects may also be required - check local electrical codes

Model	Power Requirement			FLA	Power Usage Max Start-up
	V	Hz	Phase	AMPS	WATTS
950P	120	60	1	3.3	390
950P	220	50	1	1.71	390

LOCATION DETERMINATION

The 950P is designed as a portable floor model. Place the air purifier anywhere in the room; being careful not to block air from “entering” the intake grill, or “exiting” the top grill cover.

Do not place the air purifier where drapes or other objects block airflow.

For best performance, it is recommended to place the air purifier at least two (2) feet from walls and other obstructions.

Always lock both casters.

Place the unit on a flat and level surface to allow continuous airflow to the bottom intake and out the top outlet grill.

Do not run power cord under carpeting or near heaters, registers, radiators, stoves or fireplaces. To avoid a tripping hazard, keep the power cord away from traffic areas.

Never operate the air purifier in areas where combustible gases or vapors are present or any other flammable materials.



Do not operate unit using an extension cord.

System Operation

ELECTRICAL CONNECTION

Inspect power cord for damage before plugging in. The outlet must be grounded.

On-board Touch Pad Diagram



- a) Power button
- b) Sleep mode
- c) Slide speed control
- d) High speed
- e) Turbo mode

- f-1) VOC Pre-filter indicator
- f-2) Change VOC pre-filter indicator
- g-1) Main filter indicator
- g-2) Change main filter indicator
- h-1) VOC post-filter indicator

- h-2) Change VOC post-filter indicator
- i-1) DFS indicator
- i-2) DFS deactivation indicator



Disconnect power to the unit before servicing. Moving Parts inside. Wait 30 seconds after turning the unit off before opening the Filter Access Door.



The touch control technology is designed to operate under minimal pressure. Lightly touch or slide over the buttons for an optimal user experience.

System Operation

POWER ON / OFF

1. When unit is plugged in, control goes through self-diagnosis and then returns to the last setting before power was lost.
2. When unit is off (and plugged in), only the power button is dimly lit.

SPEED CONTROL

1. When unit is turned on, Power Button, Speed Bar, DFS and Filter Lights will be illuminated white.
2. Touch the fan speed bar to increase or decrease fan speed by increments of four.
3. For fine-tuning Speed:
 - a. Touch the small fan symbol (button b in On-board Touch Pad Diagram) to decrease fan speed by 2 increments.
 - b. Touch the large fan symbol (button d in On-board Touch Pad Diagram) to increase fan speed by 2 increments.

SLEEP MODE

1. Adjust to desired speed for Sleep Mode. Press & hold Sleep Mode Button for 5 seconds to activate Sleep Mode.
2. When Sleep Mode is activated, the whole user interface will dim to low. Only the Power Button and Sleep Mode Button are lit. The unit will remain running at the speed set before Sleep Mode was activated.
3. To deactivate Sleep Mode, touch anywhere in the speed bar.

TURBO MODE

1. Touch Turbo Mode button to activate Turbo Mode.
2. When activated, all buttons on the On-board Touch Pad are illuminated white.
3. To deactivate Turbo Mode, touch anywhere in the speed bar.

FILTER INDICATOR 1/2/3

1. When unit is operating properly, the filter indicators are illuminated white.
2. When filter lifespan has been reached, filter indicator goes out and change filter indicator turns red.
3. Filter light can be reset by holding the respective filter light button for 5 seconds. When filter indicator quickly flashes 6 times, the timer is successfully reset.

DFS INDICATOR

1. When unit is on and DFS is operating properly, the indicator lit in white.
2. When DFS needs maintenance, DFS will automatically turn off. When DFS is turned off, indicator turns RED.
3. DFS can be activated / deactivated by touching DFS button. When DFS is deactivated, the DFS indicator turns off and DFS deactivation indicator turns red.

Maintenance



When replacing filters use only HealthWay certified filters. HealthWay filters are designed for high voltage operation. Use of non-HealthWay filters can be hazardous to personnel and equipment voiding the warranty.

PREFILTER REPLACEMENT

Lock the (2) front wheels to secure the unit. (fig-1)

Remove the filter access door by unlocking four quarter turn latches. (fig-2).

Filter access door removal may require a firm pulling effort.

Slide Prefilter out of the filter channel (fig-3).

To install a new Prefilter, slide the new Prefilter into the channel in accordance with the direction of the air flow label. (fig-3)

Ensure the Prefilter is firmly seated, unit will not turn on without installing Prefilter correctly.

Return the filter access door to the unit, (fig-4) threaded pin shall be positioned into the hole of the control panel to activate safety switch. Failing to that will not turn on the unit.

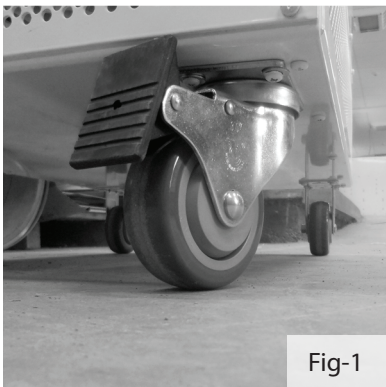


Fig-1



Fig-2

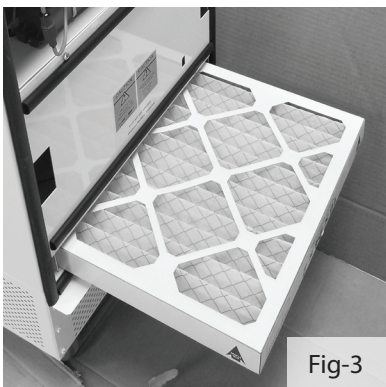


Fig-3



Fig-4

Maintenance



Always unplug the unit and wait a minimum of 30 seconds before touching the unit.

V-BANK MAIN FILTER REPLACEMENT

- Lock the (2) front wheels to secure the unit. (fig-1 on page 10)
- Remove the filter access door by unlocking four quarter turn latches (fig-2 on page 10).
- Filter Access Door removal may require a firm pulling effort.
- Disconnect the red wire lead from the multiplier (fig-5).
- Unlock V-bank filter with a flat screw driver or similar tools turning lock cylinder in accordance with labeled direction. (fig-6)

Using a firm pull, remove the V-Bank Main Filter and High Energy Grid Assembly out of the filter access opening. (fig-7)

Inspect and clean the inside of the unit.
Refer to page 12 for proper instructions.

Separate the High Energy Grid from the V-Bank Main Filter by turning and unlocking three panel clips (fig-8).

Replace the V Bank Main Filter (fig-9) and apply High Energy Grid to the new filter.

Secure the High Energy Grid to the new V Bank Main Filter by turning and locking three panel clips (fig-8).

Slide the V-Bank Main Filter and High Energy Grid Assembly back into the unit. Pay attention to the Flow Direction Arrow on the filter, the arrow should point towards the Supply/Outlet end of the unit.

Lock V-bank filter with a flat screw driver or similar tools turning lock cylinder in accordance with labeled direction. (fig-6)

Reconnect the High Voltage Lead.

Before returning the door, ensure the Prefilter is firmly seated. The unit will not run if the Prefilter is not installed correctly.

Return the filter access door to the unit, (fig-10) threaded pin shall be positioned into the hole of the control panel to engage with safety switch. Failing to that will not turn on the unit.

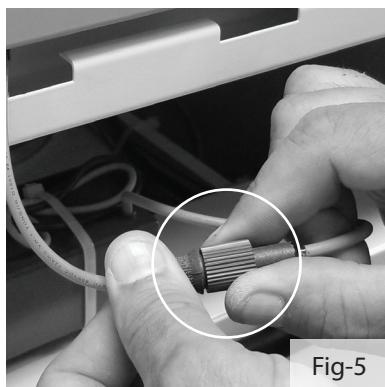


Fig-5

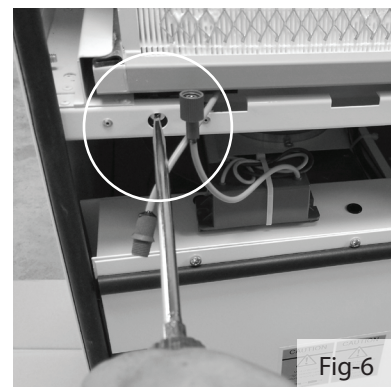


Fig-6

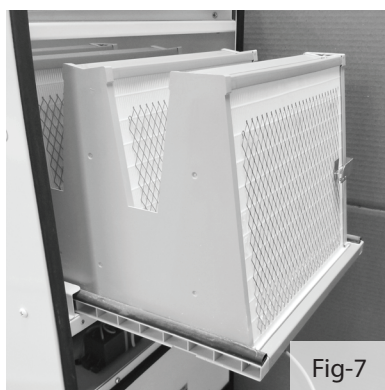


Fig-7

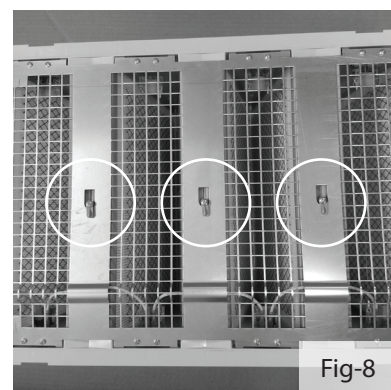


Fig-8

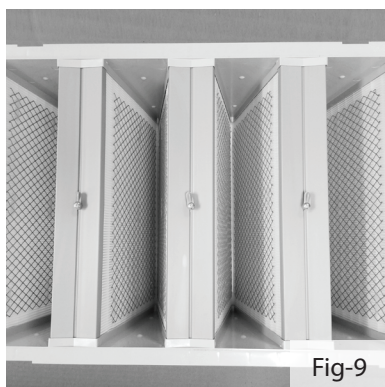


Fig-9



Fig-10

Maintenance

CLEANING THE UNIT

Depending on contamination level, this procedure should be conducted about once a year or during each filter change or if an electrical problem occurs.

Remove the V-Bank Main Filter and High Energy Grid Assembly
Refer to page 11 for proper instructions.

To clean the wires, use a lint free swab, either dry or moistened with denatured alcohol, clean along the length of each wire and spring clips.

Clean the inner surfaces of the High Energy Grid material using a lint cloth moistened with denatured alcohol.

Clean the High Energy Grid surface by vacuuming between the wires using a small vacuum attachment or by using a lint free cloth, either dry or moistened with denatured alcohol. Take care to avoid leaving large fibers snagged on the wires, control grid, or other components of the High Energy Grid.

Make sure that any contaminant that falls to the bottom of the filter unit is removed.

In extreme cases, it may be necessary to remove the wires from the springs attached at each end to the power distribution bars, thus allowing complete access to the inside of the High Energy Grid assembly for cleaning as previously described. It is recommended that the manufacturer be contacted for detailed instructions should this step appear necessary.

Vacuum the bottom of the filter seal plate section and of the filter unit to remove any particles dislodged during cleaning. Reinstall the High Energy Grid, V-Bank Main Filter and Filter Access Door as previously instructed.

Do not install the High Energy Grid to the V Bank Filter until wires are completely dry.

Maintenance

PARTS LIST

HealthWay recommends that the following spare parts be available on-site at all times.

Order all parts by contacting: Phone No: 315-298-2904 • 1-800-843-3860

Fax No: 315-298-6992

Email: info@healthway.com

Description	Part Number
Prefilter	FT-101-2
V-Bank Main Filter	950/1200_MainFilter
High Energy Grid	950/1200_HEGrid
Power Cord	2076
Multiplier	NZ-025
Blower	EC-026
120v Power Supply	TC80-502
EMI Filter w/ Fuse 5amp	NZ-033
Interlock Switch Single-Pole	2069
Interlock Switch Two-Pole	2009
High Energy Wire	WH502
Tungsten wire	WH611
Optional	Part Number
950 P VOC Filter Assembly	950P-VOC
1200- VB VOC	1200-VB-VOC

Troubleshooting

For additional troubleshooting assistance refer to the DFS Troubleshooting Guide on the following page or contact HealthWay; Monday-Friday, 8am-5pm EST:

Phone No: 315-298-2904 • 1-800-843-3860

Fax No: 315-298-6992

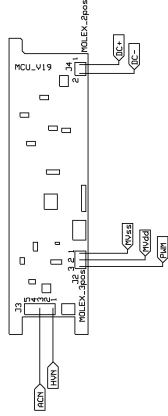
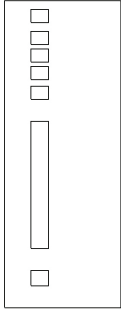
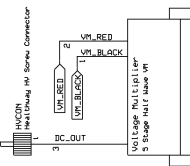
Email: info@healthway.com



Service should only be done by a qualified factory trained technician.

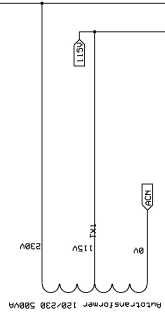
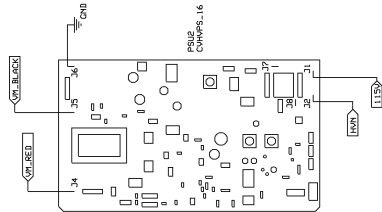
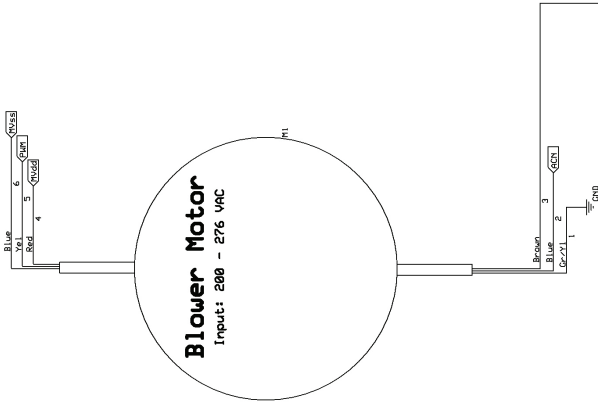
Problem Description	Recommended Action
1. Unit will not turn ON.	<ul style="list-style-type: none"> a. Ensure power cord is plugged in, electrical outlet is energized. b. Check fuse located on the bottom of the unit. Check if fuse was blown. c. Ensure Pre-filter was installed. d. Ensure V Bank Main Filter is locked correctly. (fig-6) e. Ensure High Energy Wire is connected (fig-5)
2. The unit turns ON but no air blows out	Turn off unit and unplug the power, wait 2 minutes and restart the unit.
3. Unit is ON, but no change in speed	Call HealthWay Customer Service (further examination by trained technician).
4. Pre-filter indicator is out and Change pre-filter indicator is illuminated in red	Pre-filter needs to be replaced. (Page 13 part number)
5. Main filter indicator is out. Change main filter indicator is illuminated in red	Main filter needs to be replaced. (Page 13 part number)
6. VOC post-filter indicator is out. Change VOC post-filter indicator is illuminated in red	VOC post-filter needs to be replaced. (Page 13 part number)
7. DFS indicator is out and maintenance indicator is illuminated in red	DFS Technology is turned off or High Energy Grid needs to be cleaned.

"Voltage Multiplier"

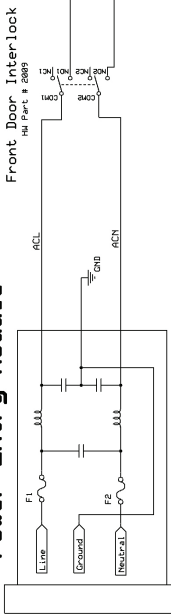


Blower Motor

Input: 280 - 276 VAC



EMI Filter Power Entry Module



DC Power Supply APV-8-12

Corcom Model #: 6EGG1-2

***** Replace fuses "F1" and "F2" with type 250V 555A only!!!**

HealthWay Home Products Inc.	
950P_Touch	
Timothy Cusack	8/12/2008

healthway.com