









## 2.1 MOUNTING

Mount the LV175 Pro Series Fan vertically with outlet up. Insure the unit is plumb and level. When mounting directly on the system piping assure that the fan does not contact any building surface to avoid vibration noise.

## 2.2 MOUNTING BRACKET (optional)

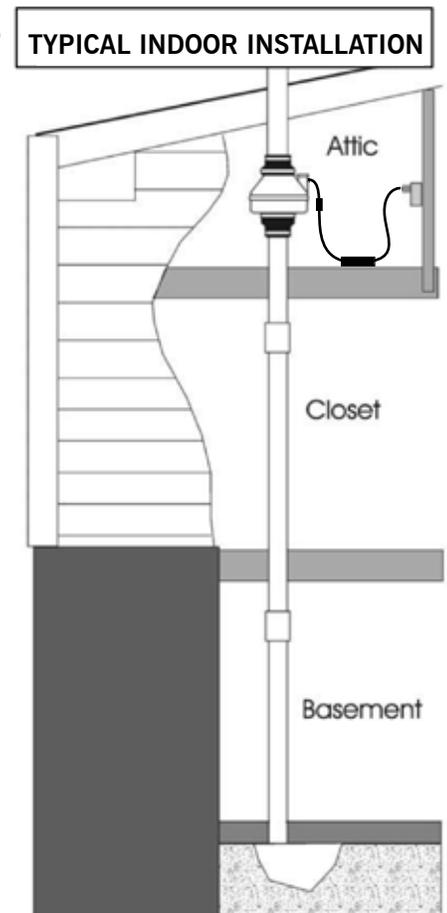
The LV175 Pro Series Fan may be optionally secured with the RadonAway P/N 25007 mounting bracket. Foam or rubber grommets may also be used between the bracket and mounting surface for vibration isolation.

## 2.3 SYSTEM PIPING

Complete piping run, using flexible couplings as a means of disconnect for servicing the unit and for vibration isolation. As the fan is typically outside of the building thermal boundary and is venting to the outside, installation of insulation around the fan is not required.

## 2.4 ELECTRICAL CONNECTION

Fan comes with an integral low voltage power supply that converts 120 volts AC voltage to 24 volts DC. Each end of the power supply has a distinct plug: a common male two-prong for the AC side and a weathertight, locking two-pin connector for the DC voltage. **Do not install/mount the power supply outdoors.** To connect the power supply for operation, simply align the two pins of the 24-volt DC plug with the mating connector on the fan, paying attention to the alignment key inside the connector. Push the connector and plug fully together until they seat, and then twist the locking collar ring until finger tight. Plug the 120-volt AC end into a standard household wall outlet and the fan is now operational.



## 2.6 OPERATION CHECKS & ANNUAL SYSTEM MAINTENANCE

- \_\_\_\_\_ **Verify** all connections are tight and **leak-free**.
- \_\_\_\_\_ **Ensure** the LV175 Pro Series Fan and all ducting are **secure and vibration-free**.
- \_\_\_\_\_ **Verify system vacuum pressure** by viewing manometer. **Ensure** vacuum pressure is within normal operating range and **less than** the maximum recommended operating pressure.  
(Based on sea-level operation, at higher altitudes reduce by about 4% per 1000 feet)  
(Further reduce Maximum Operating Pressure by 10% for High Temperature environments.)  
*See Product Specifications. If this is exceeded, increase the number of suction points.*
- \_\_\_\_\_ **Verify Radon levels** by testing to EPA Protocol and applicable testing standards.

THE FOLLOWING CHARTS SHOW THE PERFORMANCE OF THE LV175 Fan

**LV175 Pro Series Fan Product Specifications**

Typical CFM Vs. Static Pressure "WC									
Model	0"	.25"	.5"	.75"	1.0"	1.25"	1.5"	1.75"	2.0"
LV175	187	176	162	157	132	115	84	58	0

Model	Power Consumption 120VAC, 60Hz, 1.1 Amp Maximum	Maximum Recommended Operation Pressure* (Sea Level Operation)**
LV175	35 - 75 watts	1.9" WC

\*Reduce by 10% for High Temperature Operation \*\*Reduce by 4% per 1000 ft. of altitude.

Model	Size	Weight	Inlet/Outlet	L.2
LV175	8.5"H x 9.7" Dia.	5.5 lbs	4.5" OD	15

L.2 = Estimated Equivalent Length of Rigid Metal Ducting resulting in .2" WC pressure loss for Duct Size listed. Longer Equivalent Lengths can be accommodated at Flows Lower than that at .2" WC pressure loss (see CFM Vs Static Pressure "WC Table).

**LV175 Pro Series Fan Additional Specifications**

Model	Recommended Duct	PVC Pipe Mounting	Thermal Cutout	Insulation Class
LV175	3" or 4" Schedule 20/40 PVC	Mount on the duct pipe or with optional mounting bracket. For Ventilation: 4", 6" or 8" Rigid or Flexible Ducting.	130°C/266°F	Class F Insulation

Continuous Duty  
3900 RPM  
Thermally Protected  
Residential and Commercial  
Rated for Indoor or Outdoor Use



## IMPORTANT INSTRUCTIONS TO INSTALLER

Inspect the LV175 Pro Series Fan for shipping damage within 15 days of receipt. **Notify RadonAway of any damages immediately.** RadonAway is not responsible for damages incurred during shipping. However, for your benefit, RadonAway does insure shipments.

There are no user serviceable parts inside the fan or power supply. **Do not attempt to open the fan housing. In the event of fan failure, return only the fan to the factory (see Warranty below) and leave the power supply in place. Be sure to unplug power supply from 120V outlet prior to disconnecting power supply from fan.** Ensure the remaining cable connector is well protected from moisture and debris while disconnected from fan. Install the LV175 Fan in accordance with all EPA, ANSI/AARST standard practices, and state and local building codes and regulations.

**Provide a copy of this instruction or comparable radon system and testing information to the building occupants after completing system installation.**

### Warranty

RadonAway® warrants that the LV175 Fan (the "Fan") will be free from defects in materials and workmanship for a period of 6 months from the date of purchase or 12 months from the date of manufacture, whichever is sooner (the "Warranty Term").

RadonAway® will replace any fan which fails due to defects in materials or workmanship during the Warranty Term. This Warranty is contingent on installation of the Fan in accordance with the instructions provided. This Warranty does not apply where any repairs or alterations have been made or attempted by others, or if the unit has been abused or misused. Warranty does not cover damage in shipment unless the damage is due to the negligence of RadonAway®.

The Fan must be returned (at Owner's cost) to the RadonAway® factory. Any Fan returned to the factory will be discarded unless the Owner provides specific instructions along with the Fan when it is returned regardless of whether or not the Fan is actually replaced under this warranty. Proof of purchase must be supplied upon request for service under this Warranty.

#### 2-YEAR EXTENDED WARRANTY WITH PROFESSIONAL INSTALLATION.

RadonAway® will extend the Warranty Term of the fan to 24 months (2 years) from date of purchase or 30 months from date of manufacture, whichever is sooner, provided that the fan is installed by a professional radon mitigation contractor. Proof of purchase and/or proof of professional installation may be required for service under this warranty. No extended warranty is offered outside the Continental United States and Canada beyond the standard 6 months from the date of purchase or 12 months from the date of manufacture, whichever is sooner.

RadonAway® is not responsible for installation, removal or delivery costs associated with this Warranty.

#### LIMITATION OF WARRANTY

**EXCEPT AS STATED ABOVE, THE RLV175 FAN IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

**IN NO EVENT SHALL RADONAWAY BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR RELATING TO, THE FAN OR THE PERFORMANCE THEREOF. RADONAWAY'S AGGREGATE LIABILITY HEREUNDER SHALL NOT IN ANY EVENT EXCEED THE AMOUNT OF THE PURCHASE PRICE OF SAID PRODUCT. THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE THE REPAIR OR REPLACEMENT OF THE PRODUCT, TO THE EXTENT THE SAME DOES NOT MEET WITH RADONAWAY'S WARRANTY AS PROVIDED ABOVE.**

For service under this Warranty, contact RadonAway for a Return Material Authorization (RMA) number and shipping information. No returns can be accepted without an RMA. If factory return is required, the customer assumes all shipping costs, including insurance, to and from factory.

RadonAway 3 Saber Way  
Ward Hill, MA 01835 USA TEL (978) 521-3703  
FAX (978) 521-3964  
Email to: Returns@RadonAway.com

Record the following information for your records:

Serial Number: \_\_\_\_\_

Purchase Date: \_\_\_\_\_