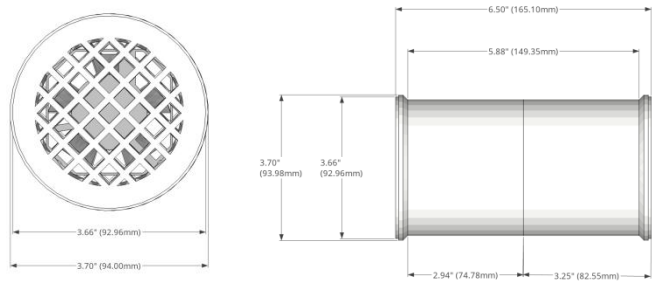


# VENTPETIT

## Ventilation Fan: Supply, Exhaust, Room-to-Room

VENTPETIT is a “plug and play” unit that can serve as either an exhaust or supply fan, and can be used for direct outdoor or room-to-room ventilation.

The unit is compact, energy efficient, ductless, and finger-safe, and comes pre-assembled with two vents for easy installation into walls that are up to 6 or 12 inches thick or other custom thicknesses.



### INSTALLATION

Although the unit is intended to be installed through a wall, it may be adapted for installation in ceilings, attics, and windows. The unit is easily self-installed by following these steps:

- Drill a horizontal hole with a minimum diameter of ~3.7 in (~94 mm) into a wall as shown in **Figure 1**. It is strongly recommended to add  $\leq 0.3$  in (~76 mm) tolerance to the hole diameter to account for insulation and/or wiring.
- Insert an insulation sheet or foam gasket into the hole.
- Carefully insert the ventilation fan into the hole and ensure that there is a snug fit. The surface of the vent in the indoor space shall be flush with the wall.
- Caulks and sealants may be used to seal the edges of the hole to prevent the encroachment of animals into the indoor space.
- Connect the power connector of the unit to a 5 V ( $\geq 2$  A) DC adapter.

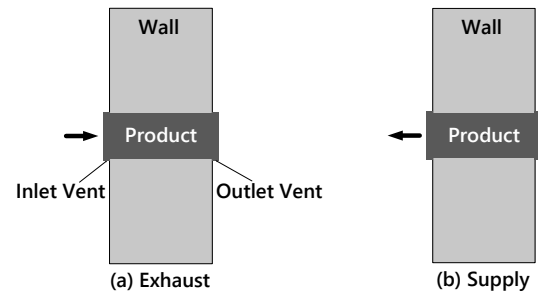


Figure 1. Schematic of the installation of the product in (a) exhaust and (b) supply modes.

### SPECIFICATIONS

Parameter	Value
Operating voltage [V DC]	5
Air flow capacity* [m³/h]	$\leq 170$
Static pressure* [in H <sub>2</sub> O (Pa)]	$\geq 1.4$ (350)
Power consumption [W]	$\geq 3$
Sound level** [dB]	26
Weight [lb (kg)]	1.1 (0.5)
Hole diameter [in (mm)]	$\geq 3.7$ (94)
Wall thickness <sup>‡</sup> [in (mm)]	6 (152); 12 (305)
Power connector	Female DC port (2.1mm×5.5mm barrel jack)

\* This represents the maximum cumulative capacity of fans at 5V and can vary by  $\pm 20\%$ .  
\*\* The sound level at ~3 m from the inlet vent of an operating unit at 5V.  
‡ The length of the unit can vary from 6.5 to 8 in (6 in wall thickness) and 12 to 14 in (12 in wall thickness).  
All reported specification values are nominal.

**Note:** The product is protected by intellectual property and shall not be reverse-engineered, imitated, and copied except under an approved licensing agreement with the manufacturer. Due to continuous research and development and the diversity of suppliers that are utilized by the manufacturer, the specifications, drawings, and images of the product may vary between the technical data sheet and/or the actual units that are received by customers. We reserve the right to modify the data sheet.

MODEL	QUANTITY	COMMENTS	PROJECT
			Location: Architect: Engineer: Contractor: Submitted By:

### APPLICATIONS

- The unit is suitable for:
- new construction and retrofit projects;
  - bedrooms, living rooms, recreation rooms, kitchens, bathrooms, utility rooms, apartments, offices, studios, tiny houses, garages, and shops.

### WARNINGS

- Failure to comply with the warnings may cause fire, property damage, electric shock, injury, or death. These warnings shall be strictly observed:
- The unit shall not be modified, disassembled, or serviced.
  - The unit is pre-assembled with vents and their orifices shall not be blocked.
  - The unit shall not be connected to the wall power or mains electricity except through the use of an AC-to-DC adapter that can supply 5 V DC and handle  $\geq 2$  A.
  - The electrical parts of the unit (i.e., fans, connectors, and wires) shall not be handled.
  - The unit shall not be installed where there is probable contact with liquids or excessive heat. There shall be no exposure to the outdoors except the outlet vent.
  - The vents of the unit shall not be connected to external appliances.

### CONTROL

The unit may be connected to a switch or timer-based control system that uses the wall power electricity via the AC-to-DC adapter or operates at 5 V DC.

### MAINTENANCE

The unit shall be disconnected from electrical power before maintenance is conducted. A vacuum cleaner may be used to extract particles that accumulate on the vent orifices. The surfaces of the vents may also be cleaned with a piece of dry cloth.

### CERTIFICATION

The unit operates on the load side of a Class 2 power source in accordance with Canada Electric Code Rule 16–222 and US National Electric Code Class 2 Article 725–41. Consequently, the manufacturer is not liable if additional approval is required by the Authority Having Jurisdiction where the product is purchased and/or installed.

### LIMITED WARRANTY

The manufacturer’s obligation is limited to repair or replacement, at the option of the manufacturer, of any product determined to be defective in workmanship or material for a maximum period of one year from the date of purchase by the customer. The limited warranty does not apply to defects that are caused by normal wear and tear, normal corrosion, and normal failure that ensue from the operation of electrical or mechanical devices. The limited warranty does not extend to products that have been subject to misuse, neglect, abuse, alteration, testing, improper installation, improper storage, improper maintenance, improper handling during shipping, unauthorized attempts to repair, accident, fire, lightning, or other hazard, and damage by current, temperature, and physical stress. The limited warranty does not extend to products that have been modified, disassembled, serviced, or reassembled by a third party.