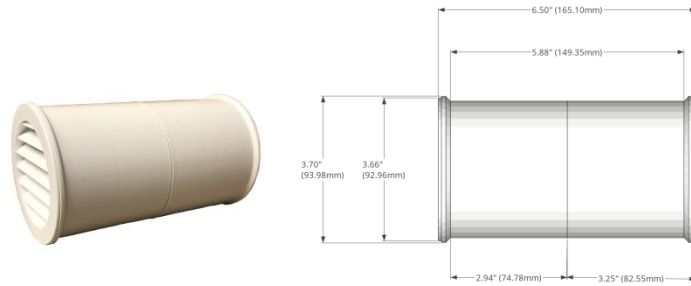


VENTPETIT

Wall Ventilation Fan: Supply & Exhaust

VENTPETIT is a compact, high-efficiency, axial-flow, direct current (DC) ventilation fan unit that consumes only 1 W to provide continuous air flow of 21 CFM at 5 V. Furthermore, the unit can move up to 37 CFM of air at the maximum voltage of 12 V. The unit, which is ductless, is finger-safe and comes pre-assembled with two vents for easy installation into walls that are up to 6 in. thick.

The unit can be used as an exhaust fan to expel stale air and pollutants to the outdoors or as a supply fan to deliver fresh air to an indoor space.



INSTALLATION

Although the unit is mainly 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 ± 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 (≥ 2 A) DC** adapter.

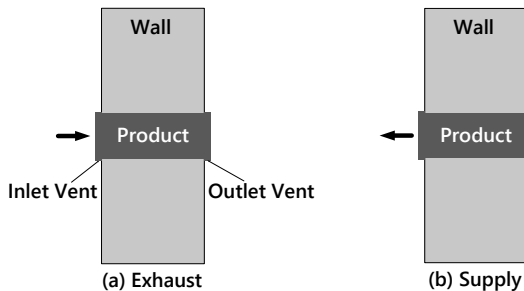


Figure 1. Schematic of the installation of the product in (a) exhaust and (b) supply modes.

SPECIFICATIONS

Parameter	Value
Operating voltage	5 V DC
Nominal air volume flow rate*	21 CFM (~36 m ³ /h)
Maximum air volume flow rate*	37 CFM (~63 m ³ /h) [‡]
Power consumption	1 W
Noise level	43 ± 2 dB
Weight	420 g
Hole diameter	3.7 in. (~94 mm)
Maximum wall thickness	6 in. (~152 mm)
Power connector	Female DC port (2.5 mm × 5.5 mm barrel plug)

* At free flow conditions without the vents.

‡ At 12V; not recommended for living spaces.

Note. Due to continuous research and development and the diversity of suppliers that are utilized by the manufacturer, the drawings and images of the product may slightly vary between the technical data sheet and/or the actual product that is received by customers.

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

APPLICATIONS

The unit is suitable for:

- 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 directly connected to the wall power or mains electricity.
- The electrical parts of the unit (i.e., fans and wires) shall not be handled.
- The unit shall not be installed at a location where there is probable contact with liquids, excessive heat or exposure to direct sunlight.
- The unit is not an inline fan and shall not be connected to ventilation ducts.
- The vents of the unit shall not be connected to external appliances.

CONTROL

The unit is designed to operate continuously at 5 V DC. However, it may be connected to a switch that can handle ≥ 12 V DC and ≥ 5 A for intermittent operation.

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.

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 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 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 warranty does not extend to products that have been modified, disassembled, serviced, or reassembled by a third party.