

# HOME VENTILATION SOLUTION

PFV



FOR INDOOR AIR QUALITY

# O2VENT

## Positive Pressure Fresh Air Ventilation System(PFV)



O2vent Fresh Air Ventilation Systems are designed to provide a continuous fresh indoor air to create a healthy indoor environment, keep your family health, protect your property.



### WHY VENTILATE

Clean fresh air is essential condition for indoor environment of building, it is very important for the health of its occupants. Nowadays new buildings are constructed more airtightly to prevent energy loss and surrounding noise. The result? Condensation in winter, Mould, Stale polluted indoor air and some health issues of occupants and can have serious consequences for building structure. On the other side, many households are empty during work hours, and consequently windows are shut all day. In New Zealand, many old houses have poor insulation. Condensation is easy produced on the windows, the surface of wall sometimes. Properly installed mechanical ventilation is necessary. Ventilation is important for two main purposes – reducing the concentration of indoor air pollutants and reducing the build-up of moisture as well as provide more fresh air for occupants.



### HOW O2VENT WORKS

O2VENT System introduce filtered clean fresh air into house and push polluted stale air out through the gaps of building structure and duct access of rangehood, extract fan ducts in bathrooms and toilets. It provides proper indoor air changes for whole house and maintenance healthy indoor air quality. O2vent intelligent controller makes a smart output signal to keep system working properly according to the requirement of Indoor Air Quality. On the other hand, the smart controlled system will maintenance the balance of Indoor Air Quality and Energy Efficiency.

# KEY FEATURES

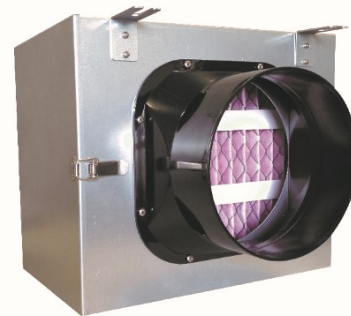
## ▶ SMART CONTROLLER

- ◇ Visible Indoor Temperature, Humidity, VOCs Concentration
- ◇ Adjustable outputs control fan speed to provide suitable fresh air flow to meet the real IAQ requirement.
- ◇ Multi operation mode: Automatically, Manually, Timer Function
- ◇ 3 different LED screen background colours remind the level of VOCs Concentration.



## ▶ F7 AIR FILTER (EUROPEAN UNION EN779 CLASS)

- ◇ Used for commercial, industrial, medical, mechanical, food ect.
- ◇ Special designed galvanised mounting filter box, easy replacement
- ◇ Reasonable air pressure resistance, more air flow rate



## ▶ CIRCULAR INLINE DUCT FAN

- ◇ AC Circular Inline Duct Fan
- ◇ Quiet operation
- ◇ High / Mid / Low speed
- ◇ High efficiency and energy saving
- ◇ Reliable metal sheet shell



## ▶ O2VENT POSITIVE PRESSURE FRESH AIR VENTILATION SYSTEM KITS

PFV SERIES KITS TABLE			
Model NO	Home size (m2)	Quantity of Air outlets	AC Inline Duct Fan
PFV-03	60 - 90	3	1
PFV-04	90 - 160	4	1
PFV-05	130 - 160	5	1
PFV-06	150 - 220	6	2
PFV-07	200 - 300	7	2
PFV-08	300 - 350	8	2

Note: Please consult our ventilation experts for customized design

# Indoor Air Pollution & Ventilation



## INDOOR AIR POLLUTANTS

- Particulate matter (PM 10, PM2.5)
- Chemical Pollutants (Gas phase)
- VOCs (Volatile organic compounds)
- Biological contaminants



## VENTILATION

- Reduces concentration of indoor air pollutants and bioeffluents, build-up of moisture
- Bring fresh air into your house even all windows are closed.



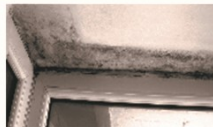
Airtight building  
Stale indoor air



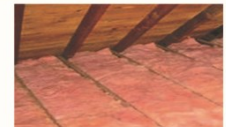
Heating House



Dampness and mould



Insulated House



Health Issues



Dryer, Warmer,  
Healthier Home



## CONTACT US

Pacific Heating & Cooling Tech. Ltd

[www.o2vent.nz](http://www.o2vent.nz)

[www.pacificnac.nz](http://www.pacificnac.nz)

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