

# FILTER-VENT

## AIR PURIFYING VENTILATOR

### Specifications

1-1 **Filter-Vent** is an air purifying supply ventilator that combines fresh air ventilation, high efficiency air filtration, and indoor air circulation, into a single unit.

1-2 Fresh air ventilation is provided through a 6" duct intake on the **Filter-Vent**. This fresh air inlet contains a built-in restrictor to adjust outdoor air flow. The **Filter-Vent** also has an 8" intake duct for indoor air and an 8" supply duct for the filtered combination of fresh and indoor air.

1-3 The **Filter-Vent** filter compartment will accept up to 6" of filter combinations. Guides are set for one 2" and one 4" filter depths.

1-4 The fresh outdoor air and indoor air are combined and drawn through the filter assembly. The **Filter-Vent** will draw approximately 310 CFM of unrestricted air flow. As the filters collect debris, air flow will be slightly reduced. Duct length and design will also impact air flow. At 0.5 IWG of external static pressure the Filter-Vent will provide 240 CFM of air flow.

1-4-1 The standard filter is a 60% efficient pleated media filter (ASHRAE 52-76 dust spot test) and meets the new MERV-8 rating (ASHRAE 52.2P). An optional 4", 95% efficient (ASHRAE 52-76 dust spot test) extended surface air filter is also available. Additional filter combinations can include an activated carbon/potassium permanganate blend filter.

2-1 The unit is controlled by a positive "on/off" switch. An optional electronic digital timer may also be mounted onto the unit. Both control devices may be wired for remote location. The electronic timer permits operation to be programmed to coordinate with the times the home is occupied or to meet ventilation requirements.

3-1 The **Filter-Vent** may be installed on the floor, or hung from joists with 4 nylon reinforced rubber strap hangers.

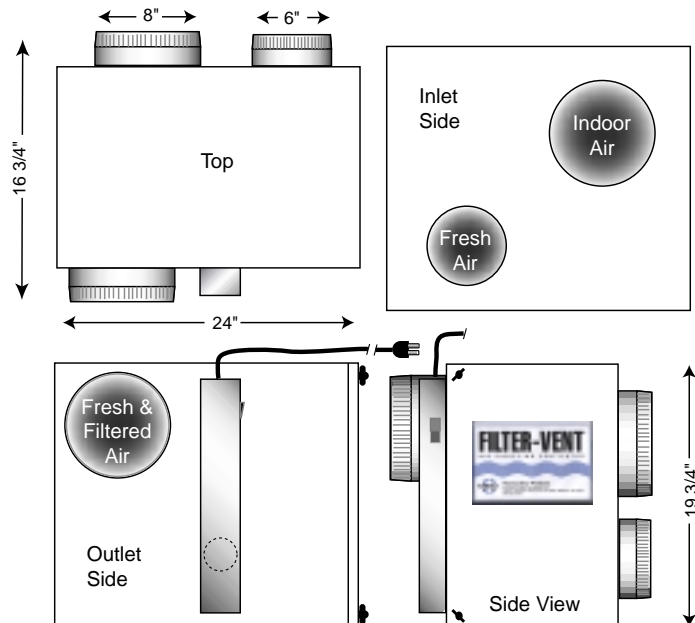
4-1 The **Filter-Vent** plugs into a standard 115 volt, 15 amp grounded outlet. The unit draws only 0.9 amps (110 watts) of electricity when operating.

5-1 The **Filter-Vent** is only manufactured by Therma-Stor Products, Division of DEC International, Inc. PO Box 8050, Madison, WI 53708.



#### DIMENSIONS (Including Duct Collars)

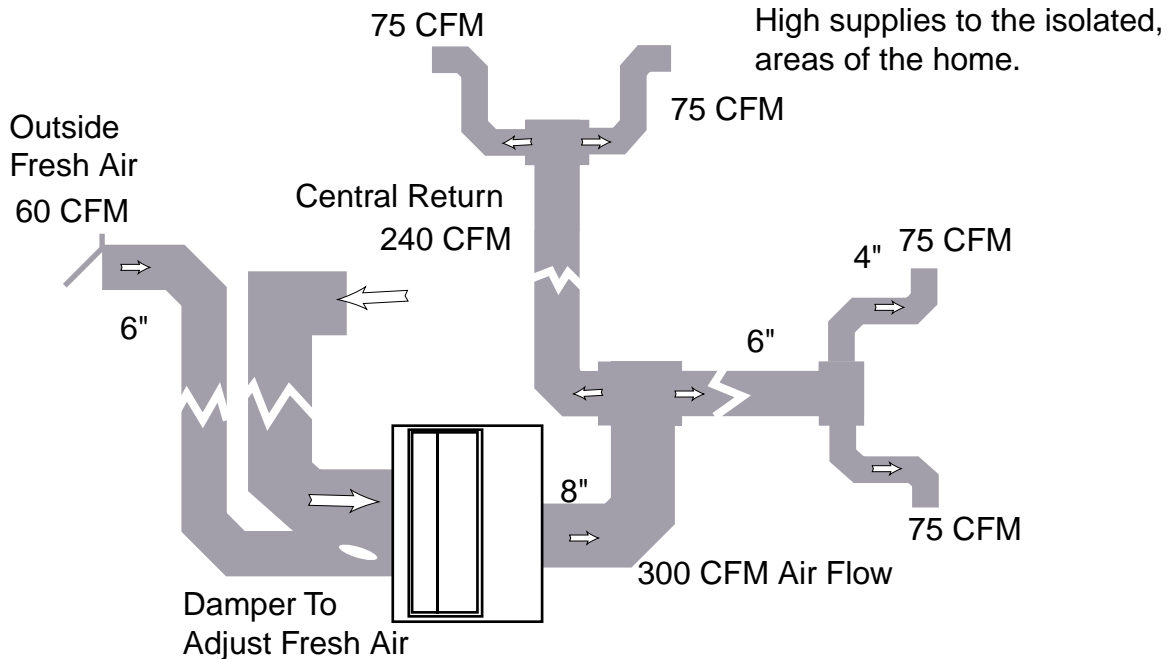
Width: 16 3/4 inches  
 Height: 19 3/4 inches  
 Depth: 24 inches  
 Weight: 30 pounds



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### Filter Vent System with its own ducts



The objective of Filter-Vent is to provide fresh clean air to the entire home when people are present. Air distribution is critical for comfort. 10-30% of the delivered air is fresh. The amount of air is adjustable with balancing dampers or diffuser dampers. Avoid delivering high quantities of air to single location. Delivering small quantities to several locations blends the fresh air into the house without effecting comfort.

### FILTER INFORMATION & OPTIONS

**Standard Filter:** 20" x 24" x 2"; 60% Efficient\* pleated media filter. **MERV-8\*\***

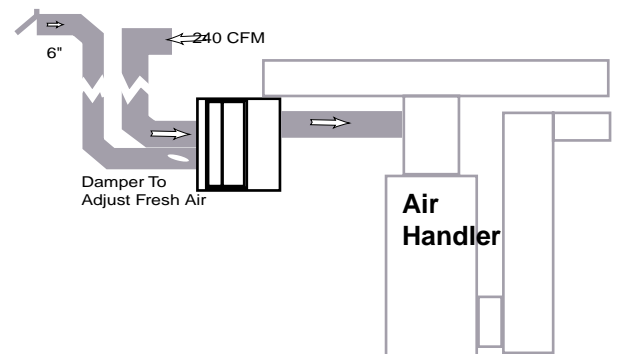
**Optional Filters:** 20" x 24" x 4"; 95% Efficient\* pleated micro-glass media.

20" x 24" x 2"; \*Activated carbon & potassium/permagenate blend filter.

\* ASHRAE 52-76 dust spot test

\*\* ASHRAE 52-2P MERV test

### Filter-Vent with central heating/cooling



### Therma-Stor Products

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**Therma-Stor Products**

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