Inline Fans Options
Featuring TD-MIXVENT/TD-SILENT

Advancing Ventilation®
The World’s Leading Producer of Air Movement Products
Compact Size-TD Fans require minimum space
The S&P TD-MIXVENT & TD-SILENT series of in-line duct fans have been specially designed to maximize the airflow performance with minimal noise levels within the smallest and most compact of housing sizes. This makes the TD-MIXVENT & TD-SILENT series the ultimate solution for small to medium sized ventilation installations which require a high airflow to pressure ratio and occupy only the minimum space possible. Example: false ceiling voids, cabinets and many other limited space environments.

Easy to Install...fit and forget!
All the models in the TD-MIXVENT & TD-SILENT range have been designed with the professional contractor/engineer in mind. All models include a “removable body” feature that enables the motor-impeller assembly to be completely removed or replaced without the need to interfere with the attached ducting.

Multitude of features-high specification
All models within the TD-MIXVENT & TD-SILENT range incorporate a powerful mixed flow impeller and internal air vanes located at the discharge end of the fan housing. This impeller and guide vane combination provides a smooth laminar air flow which in turn minimizes turbulence and noise, and generates an excellent air flow to pressure performance ratio.

Description
All of the TD-fans include the combination of a powerful motor, factory installed, to a mixed flow impeller. This motor and impeller combination enables the TD-fans to deliver high airflow performances with minimum noise generation against high static pressures typically found in ducted ventilation systems. The unique design of the support brackets, allows the motor and impeller assembly to be fitted or removed without dismantling the adjacent ducting and therefore, facilitating any installation or maintenance. The internal aerodynamic design of the TD-MIXVENT & TD-SILENT fans enable the units to generate large air volumes and pressures with the minimum of in-duct or radiated noise. The TD-fans offer the ideal in-line duct fan solution for a wide range of HVAC ventilation applications.
TD-MIXVENT & TD-SILENT Practical Installations

The TD-MIXVENT & TD-SILENT system offers the most versatile installation range on the market, as a result of its multiple combinations; it can be used in a large number of small and mid-range ventilation installations.

- Domestic - Range Hood Exhaust
- Commercial - Office
- Industrial - Public Restroom
- School - Dining Hall
- Industrial - Locker Room
- Health - Waiting Room
Low profile mixed flow fans, manufactured in plastic material (up to model 150) or in galvanized steel sheet protected with Epoxy paint (models 200, 250, 315, 355, and 400), with external terminal box, removable motor-impeller assembly and adjustable single-phase motor, Class B, IP44.

The extensive range of the TD-MIXVENT series makes it an effective solution for a wide range of residential and light commercial ventilation installations.

<table>
<thead>
<tr>
<th>Construction characteristics</th>
<th>100</th>
<th>100x1</th>
<th>125</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>315</th>
<th>355</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polypropylene housing</td>
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<tr>
<td>Steel housing with epoxy coating</td>
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<tr>
<td>Thermal link with automatic reset</td>
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<td></td>
<td></td>
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<tr>
<td>Permanently lubricated ball bearings</td>
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</tbody>
</table>
Easy Maintenance

Removable body, for repair or cleaning, without the need to touch the ducts.

The fans can be connected at any point along the ventilation duct: along the duct or at the end.

Low Profile

The low profile of the fans in the TD-MIXVENT range makes them the ideal product for installations with low height limits, such as the case of suspended ceilings.

Easy to Install

1. Secure the support.
2. Make the connections.
3. Connect the ducts.

Flexibility in Location

The fans can be connected at any point along the ventilation duct: along the duct or at the end.
Warranty
Five (5) year limited warranty.

Range
The TD-MIXVENT series consists of nine (9) nominal sized in-line fans. All models are specifically designed for direct connection in-line with industry standard diameter round ducting.

Construction
The TD-MIXVENT models 100, 100x1, 125, and 150 are manufactured in tough reinforced plastic, models 200, 250, 315, 355, and 400 have a metal casing and are finished in a tough epoxy-polyester paint coating. The TD fan duct connection flanges are manufactured from reinforced plastic, except for models 200, 250, 315, 355, and 400 which are constructed from epoxy-polyester coated metal.

Impellers
The impeller blades for models 100, 100x1, 125, and 150 are molded in tough ABS plastic. Models 200, 250, 315, 355, and 400 are metal.

Motors
*Models 100, 100x1 and 125:*
  - Single-phase, 120V 60Hz, shaded pole induction asynchronous motor in die cast aluminum. All motors include direct single speed connection and are also suitable for voltage speed control.
  - Class II electrical insulation (model 100) & Class I (models 100x1 and 125)
  - IP 44 Protection
  - Class B Motor Insulation
  - Safety auto reset Thermal Overload Protection (fuse type)
  - Self-lubricating sleeve bearings.
  - Suitable for working airstreams up to 104° F (40°C).

*Models 150, 200, 250, 315, 355, and 400:*
  - Single-phase induction asynchronous motor, with permanent capacitor and external rotor constructed of die cast aluminum. Models 150, 200, 355 and 400 feature single speed, fully speed controllable motors. Models 250 and 315 include direct dual speed (LS/HS) connection motors and are also suitable for voltage speed control.
  - Class I electrical insulation
  - IP 44 Protection
  - Thermal Overload Protection
  - Class B Motor Insulation
  - Sealed For Life, ball bearings
  - Suitable for working airstreams up to 140° F (60°C).
Performance characteristics
Models 250 and 315 include a direct single speed motor connection.

<table>
<thead>
<tr>
<th>Model</th>
<th>Nom. RPM</th>
<th>Volts</th>
<th>Max. Watts</th>
<th>Speed</th>
<th>CFM v Static Pressure (SP) Ins. WG</th>
<th>Max. SP</th>
<th>Max operating temp. (°F)</th>
<th>Wgt. (lbs)</th>
<th>Duct Dia. Ins.</th>
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<tbody>
<tr>
<td>TD-100</td>
<td>2516</td>
<td>120</td>
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<td>-</td>
<td>101 85 57 - - - -</td>
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<td>2</td>
<td>4”</td>
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<td>TD-100x1</td>
<td>2500</td>
<td>120</td>
<td>29</td>
<td>-</td>
<td>138 119 96 66 21 - -</td>
<td>.45</td>
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<td>-</td>
<td>197 168 133 86 22 - -</td>
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<td>120</td>
<td>65</td>
<td>-</td>
<td>293 273 250 227 206 131 35</td>
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<td>2781</td>
<td>120</td>
<td>184</td>
<td>-</td>
<td>538 495 458 418 367 190 10</td>
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<td>140</td>
<td>8.8</td>
<td>8”</td>
</tr>
<tr>
<td>TD-250</td>
<td>2400</td>
<td>115</td>
<td>162</td>
<td>LS</td>
<td>541 475 418 355 295 218 170</td>
<td>2.03</td>
<td>140</td>
<td>19.8</td>
<td>10”</td>
</tr>
<tr>
<td>TD-250</td>
<td>3200</td>
<td>115</td>
<td>241</td>
<td>HS</td>
<td>754 715 680 640 606 520 405</td>
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<td>10”</td>
</tr>
<tr>
<td>TD-315</td>
<td>2000</td>
<td>115</td>
<td>208</td>
<td>LS</td>
<td>751 670 545 420 285 190 130</td>
<td>1.62</td>
<td>140</td>
<td>30.9</td>
<td>12.4”</td>
</tr>
<tr>
<td>TD-315</td>
<td>2500</td>
<td>115</td>
<td>335</td>
<td>HS</td>
<td>1050 990 932 850 770 600 420</td>
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<tr>
<td>TD-355</td>
<td>1536</td>
<td>115</td>
<td>522</td>
<td>-</td>
<td>2090 2013 1935 1856 1777 1616</td>
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<td>43”</td>
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<td>TD-400</td>
<td>1559</td>
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<td>916</td>
<td>-</td>
<td>3127 3034 2938 2836 2735 2542</td>
<td>2303</td>
<td>1.2</td>
<td>140</td>
<td>78”</td>
</tr>
</tbody>
</table>

Performance certified for installation Type D: Ducted Inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances.

Sound characteristics
Fan sound levels are measured in sones. At this time there are no sone level test standards available through HVI due to the fact that remote mounted fan noise levels are in proportion to the following: type of duct, length of duct, fan distance from the intake source and other miscellaneous factors. However, it is generally accepted that remote mounted venting is usually quieter than standard (in room) venting.

Dimensions (inches/mm)

Models 100-315

Models 355 - 400
If the strongest, quietest, bathroom exhaust system is what you seek...look no further. S&P offers the perfect solution with the most options. The TD-MIXVENT fan kits provide all the hardware needed to complete a simple in-line ducted ventilation installation. The kit includes a powerful TD in-line fan and exterior and interior grilles (with or without lights). Available in both Standard Exhaust Kits, for venting a single location, and Deluxe Exhaust Kits, for venting multiple locations with one fan.

The TD-MIXVENT fan kit is the ideal solution for any simple in-line ducted fan installation. All TD kits have standard 7-year warranty.

**Standard Exhaust Kits**

KIT-TD100
- 1 TD100 exhaust fan
- 1 plastic round grille (PG-100)
- 1 exterior louvered grille (PER-100W)
- Integral mounting bracket

KIT-TD100x1
- 1 TD100x1 exhaust fan
- 1 plastic round grille (PG-100)
- 1 exterior louvered grille (PER-100W)
- Integral mounting bracket

KIT-TD150
- 1 TD150 exhaust fan
- 1 plastic round grille (PG-150)
- 1 exterior louvered grille (PER-150W)
- Integral mounting bracket

**Deluxe Exhaust Kits**

KIT-TD150-DV
- 1 TD150 exhaust fan
- 2 plastic round grilles (PG-150)
- 1 exterior louvered grille (PER-150W)
- 1 Y-fitting (SY-6)
- Integral mounting bracket

**Lighted Standard Exhaust Kits**

KIT-TD100X1L
- 1 TD100x1 exhaust fan
- 1 Vent Light with LED Bulb (VLED-100)
- Integral mounting bracket

KIT-TD100X1H
- 1 TD100x1 exhaust fan
- 1 Vent Light with Halogen Bulb (VLH-100)
- Integral mounting bracket

KIT-TD100X1F
- 1 TD100x1 exhaust fan
- 1 Vent Light with Fluorescent Bulb (VLF-100)
- Integral mounting bracket

**Lighted Deluxe Exhaust Kits**

KIT-TD150L
- 1 TD150 exhaust fan
- 2 Vent Lights with LED Bulb (VLED-100)
- 1 Y-fitting (SY44-6)
- Integral mounting bracket

KIT-TD150H
- 1 TD150 exhaust fan
- 2 Vent Lights with Halogen Bulb (VLH-100)
- 1 Y-fitting (SY44-6)
- Integral mounting bracket

KIT-TD150F
- 1 TD150 exhaust fan
- 2 Vent Lights with Fluorescent Bulb (VLF-100)
- 1 Y-fitting (SY44-6)
- Integral mounting bracket

**IMPORTANT:** If venting in an non-insulated attic space, or in a cold climate, insulated flexible duct is strongly recommended for condensation issues.
As the name suggests these fans are extremely quiet, low profile “Mixed-flow” fans. Manufactured in plastic material with an external connection box, the body is easily dismantled with a full speed controllable, single speed motor. Sound waves are directed through the perforated inner skin and absorbed by a layer of sound-absorbent insulation. Plus the TD-SILENT is fitted with rubber gaskets on the inlet and outlet to absorb vibrations.

### Construction characteristics

<table>
<thead>
<tr>
<th></th>
<th>125XS</th>
<th>150S</th>
<th>200S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polypropylene housing</td>
<td>•</td>
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<td>•</td>
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<tr>
<td>ABS fan blades</td>
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<tr>
<td>Thermal link with automatic reset</td>
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<tr>
<td>Permanently lubricated ball bearings</td>
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</tbody>
</table>
The low profile of the fans in the TD-SILENT range makes them the ideal product for installations with low height limits, such as the case of suspended ceilings.

Easy Maintenance

Bi-material support brackets, which in addition to simplifying installation, serve as joint seals.

Duct Air-Seals

Bi-material inlet and outlet incorporating a flexible washer to facilitate installation, absorb vibrations and provide a virtually air-tight seal.

Low Noise Levels

Sound waves produced inside the TD, are directed through the perforated inner skin and absorbed by the layer of sound-absorbent material.

Connection Box Rotates 360°

Connection box can be rotated 360°, to facilitate easy connection of the power cable.

Integral Mounting Bracket

Mounting bracket for installing on a wall or ceiling, incorporating twin-material support brackets for the motor section that absorbs vibration.
TD-SILENT Easy Installation

1. Loosen the clamps.
2. Open the clamps on both ends.
3. Remove the fan body.
4. Remove the terminal box lid.
5. Connect electrical supply.
6. Re-mount fan body by tightening the clamps.
TD-SILENT Technical Specifications

**Warranty**
Five (5) year limited warranty.

**Range**
The TD-SILENT consists of three (3) nominal sized in-line fans. All models are specifically designed for direct connection in-line with industry standard diameter round ducting.

**Construction**
The TD-SILENT models 125XS, 150S and 200S are manufactured in tough reinforced plastic. Sound waves are directed through the perforated inner skin and absorbed by a layer of sound-absorbent insulation. Plus the TD-SILENT is fitted with rubber gaskets on the inlet and outlet to absorb vibrations.

**Impellers**
The impeller blades are molded in tough ABS plastic.

**Motors**
*Models 125XS:*
Single-phase, 120V 60Hz, shaded pole induction asynchronous motor in die cast aluminum. All motors include direct single speed connection and are also suitable for voltage speed control.
- Class I electrical insulation
- IP 44 Protection
- Class B Motor Insulation
- Safety auto reset Thermal Overload Protection (fuse type)
- Self-lubricating sleeve bearings.
- Suitable for working airstreams up to 104° F (40°C).

*Models 150S and 200S:*
Single-phase induction asynchronous motor, with permanent capacitor and external rotor in die cast aluminum. All models include direct single speed connection and are also suitable for voltage speed control.
- Suitable for working airstreams up to 140° F (60°C).
- Class I electrical insulation
- IP 44 Protection
- Thermal Overload Protection
- Class B Motor Insulation
- Sealed For Life, ball bearings

**Code Approval**
- All models have been independently safety tested by Underwriters Laboratories, Inc. and are UL and cUL Listed.
- Independently tested for Airflow Performance.
- The TD product range is certified by the Home Ventilating Institute (HVI) for Air Performance.
- All models are ENERGY STAR® qualified.
Air Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Duct Dia.</th>
<th>Nom. RPM</th>
<th>Volts</th>
<th>Max. Watts</th>
<th>CFM v Static Pressure (SP) Ins. WG</th>
<th>Max. SP</th>
<th>Max operating temp. (ºF)</th>
<th>Wgt. (lbs)</th>
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<td>0&quot;</td>
<td>0.125&quot;</td>
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<td>0.375&quot;</td>
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<tr>
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<td>2500</td>
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<td>530</td>
<td>503</td>
<td>472</td>
<td>443</td>
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</table>

Dimensions (inches)

The TD-SILENT Models 125XS and 150S are California Title 24 compliant and meet ASHRAE 62.2 when installed with a CVC and other TD models are compliant when installed with a 3 way switch and remotely mounted speed control.
**TD-MIXVENT & TD-SILENT Accessories**

**FT622 - ASHRAE 62.2 Bath Fan Ventilation Control**

The FT622 is designed to replace bathroom fan and light switches and provide both functions with one easy operation. The FT622 delivers a precise amount of ventilation, and is a simple solution to meet ASHRAE 62.2 in conjunction with an S&P fan.

**FT247 - Programmable Fan Timer**

S&P offers the FT247 with easy programming for your bathroom fan ventilation needs. Simply set what time you want the fan to turn on and off and what day or days you want the fan to run.

**MCA**

Backdraft dampers are installed at the fans' discharge. They prevent the entry of odors, air currents and prevent heat leaks when the exhauster is not in operation.

<table>
<thead>
<tr>
<th>Model</th>
<th>Type TD</th>
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<tbody>
<tr>
<td>MCA-100</td>
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<td>MCA-250</td>
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<tr>
<td>MCA-315</td>
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**Dimensions (inches/mm)**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
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<td>12 5/8</td>
<td>1 7/8</td>
<td>12 5/8</td>
</tr>
</tbody>
</table>

**MRJ**

Grilles fit on the suction and the discharge sides of the installation. They prevent the entry of foreign bodies which could damage the fan.

<table>
<thead>
<tr>
<th>Model</th>
<th>Type TD</th>
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<tbody>
<tr>
<td>MRJ100</td>
<td>100</td>
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<td>MRJ125</td>
<td>125</td>
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<tr>
<td>MRJ150</td>
<td>150</td>
</tr>
<tr>
<td>MRJ200</td>
<td>200</td>
</tr>
<tr>
<td>MRJ250</td>
<td>250</td>
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</tbody>
</table>

**MBR Flanges** enable TD devices to connect in a series.

<table>
<thead>
<tr>
<th>Model</th>
<th>Type TD</th>
</tr>
</thead>
<tbody>
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<tr>
<td>MBR-200</td>
<td>200</td>
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<tr>
<td>MBR-250</td>
<td>250</td>
</tr>
</tbody>
</table>
TD Bathroom Exhaust Grilles

Featuring Vent Lights and Premium Grilles

S&P’s Grille Options give you the choice of seven (7) aesthetically pleasing grilles designed to match any bathroom decor. You can choose from our Vent Lights, Premium Grilles or Adjustable Grilles to fit your needs.

These grilles are designed to be used exclusively with one of S&P’s TD remotely mounted inline for virtually silent bathroom ventilation. Inline fans give you the option to mount your grille over the shower, toilet, tub, or in multiple locations (dual vent).

With S&P’s Grille Options the choice is yours!

Vent Lights
Available with LED Bulbs

S&P’s new Vent Lights give you ventilation that is “Out-of-Sight and Out-of-Mind”! The Vent Lights appear to be a regular can light, and when combined with a remotely mounted fan, the noise and unsightly look of the traditional bathroom fan are gone! The Vent Lights are aesthetically pleasing grilles with lights that will match any bathroom decor.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VLED-100</td>
<td>Vent Light with PAR30 LED Bulb</td>
</tr>
<tr>
<td>VLH-100</td>
<td>Vent Light with PAR30 Halogen Bulb</td>
</tr>
<tr>
<td>VLF-100</td>
<td>Vent Light with Energy Star Rated Compact Fluorescent Bulb</td>
</tr>
</tbody>
</table>

Dimensions (inches)

Features:
- Longer duct collar for 4” duct
- Extendable hanger bars up to 24”
- 7.5” grille
- Built-in backdraft damper
- 3 bulb options

Why Choose the Vent Light with LED Bulbs?

S&P’s respect for the environment extends to its Vent Lights with the optional LED Bulb. The benefits to the LED Bulbs include:
- Built to last a minimum of 60,000 hours, plus the LED’s use a fraction of the energy that a traditional incandescent or halogen lamp uses
- LED’s contain no mercury so they are easy to dispose of, unlike other energy efficient bulbs
- The LED lamps run cool and are shock resistant, making them safer for use in your home
Premium Grilles

**PG**

S&P’s premium grilles come standard with steel collars for easy mounting and installation.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG-100</td>
<td>4” Plastic Grille with 4” Steel Collar</td>
</tr>
<tr>
<td>PG-150</td>
<td>6” Plastic Grille with 6” Steel Collar</td>
</tr>
</tbody>
</table>

### Grille Dimensions (in inches)

<table>
<thead>
<tr>
<th>Grille</th>
<th>Dia.</th>
<th>Height</th>
<th>Fits Duct Dia.</th>
<th>Fits Collars</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG-150G</td>
<td>8 1/8</td>
<td>1 5/8</td>
<td>6”</td>
<td>PG-150D</td>
</tr>
<tr>
<td>PG-100G</td>
<td>4 5/8</td>
<td>1 1/2</td>
<td>4”</td>
<td>PG-100D</td>
</tr>
</tbody>
</table>

### Collar Dimensions (in inches)

<table>
<thead>
<tr>
<th>Collar</th>
<th>Diameter</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG-100D</td>
<td>3 3/4</td>
<td>3 1/4</td>
</tr>
<tr>
<td>PG-150D</td>
<td>5 3/4</td>
<td>4 5/8</td>
</tr>
</tbody>
</table>

### Adjustable Grilles

**BOR/BOC**

Exhaust grilles for bathrooms, toilets and other small rooms. All models offer an adjustable central valve to regulate the airflow.

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>D</th>
<th>E</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOR/BOC-100</td>
<td>145</td>
<td>100</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>BOR/BOC-125</td>
<td>145</td>
<td>125</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>BOR/BOC-150</td>
<td>204</td>
<td>160</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>BOR/BOC-200</td>
<td>244</td>
<td>200</td>
<td>50</td>
<td>1</td>
</tr>
</tbody>
</table>
Additional general assembly accessories

**BOR/BOC**  
Round plastic/metal adjustable grille

**MBR**  
Connection Flanges

**FB**  
Filtering Box

**PER-W**  
Plastic louver shutter

**PER**  
High pressure aluminum louver shutter

**GRA**  
Aluminum exterior fixed grilles

**SR**  
Reducer

**SY**  
Y sheet metal adapter

**SIL**  
Acoustic attenuators

Electrical accessories

**EPBT**  
Electronic push button timer

**SCS**  
Speed control slide type

**SC**  
Speed control
Axial Fans
• Low noise levels
• High air volumes
• Very little static pressure capability*

Centrifugal Fans
• Higher noise levels
• Lower air volumes
• Very high static pressure capability*

Mixed Flow Fans**
• Low noise levels
• High air volumes
• Significant static pressure capability*

*Static pressure is the ability of the fan to overcome resistance such as long or complicated duct runs.

**Mixed flow fans (TD series) offer the best of both axial and centrifugal fans and are suitable for most air movement applications. S&P’s TD-MIXVENT & TD-SILENT Series has all the benefits of a mixed flow fan, plus it requires minimal space and it is easy to install.
PRF Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Electrical</th>
<th>Power (W)</th>
<th>Current (A)</th>
<th>CFM @ SP</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRF-100</td>
<td>4&quot;</td>
<td>1/60/120V</td>
<td>91</td>
<td>0.77</td>
<td>169, 147, 126, 82</td>
<td>3080</td>
</tr>
<tr>
<td>PRF-150</td>
<td>6&quot;</td>
<td>1/60/120V</td>
<td>135</td>
<td>1.15</td>
<td>321, 287, 254, 193</td>
<td>2890</td>
</tr>
</tbody>
</table>

Specifications

- Duct lips sized for easy fit with standard PVC couplings typically used in radon mitigation applications
- Fully sealed, high quality plastic housing
- Large, easily accessible, watertight electrical box for unobstructed wiring process
- Easily mount on duct pipe or use heavy-duty metal mounting bracket (sold separately)
- Significantly less expensive than comparable alternatives
- Thermal overload protection
- HVI Certified Performance
- cETLus certified
- 5-year warranty

Application

PRF fans are specifically designed for radon mitigation.

Dimensions

Radon Installation Kits

Kits include two flexible white couplings with stainless steel hose clamps, a U-tube manometer, and radon system labels. The U-tube manometer (PR-M) is available to purchase separately.

<table>
<thead>
<tr>
<th>Kit</th>
<th>Used with Model</th>
<th>PVC pipe size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRFIK-43</td>
<td>PRF-100</td>
<td>3&quot;</td>
</tr>
<tr>
<td>PRFIK-44</td>
<td>PRF-100</td>
<td>4&quot;</td>
</tr>
<tr>
<td>PRFIK-64</td>
<td>PRF-150</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>
PV-POWERVENT Fans

MODEL FEATURES

• Exhaust air up to 942 CFM with static pressure capabilities to 1.5” w.g.
• Galvanized steel casing with black backed enamel coating
• Pre-wired junction box
• Ideal for applications where space is limited
• Non-overloading backward inclined wheel for efficiency at higher static pressures
• AMCA Seal for Air Performance
• cULus Listed

Air Performance

<table>
<thead>
<tr>
<th>Model No.</th>
<th>RPM</th>
<th>Volts</th>
<th>Max. Watts</th>
<th>CFM v Static Pressure (SP) Ins. WG</th>
<th>Max. SP</th>
<th>Duct Dia. Ins.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PV-100</td>
<td>1400</td>
<td>115</td>
<td>57</td>
<td>108 100 92 85 78 66 52 33 18</td>
<td>1.70</td>
<td>4”</td>
</tr>
<tr>
<td>PV-100x</td>
<td>2880</td>
<td>115</td>
<td>84</td>
<td>153 142 130 120 111 96 80 63 34</td>
<td>1.85</td>
<td>4”</td>
</tr>
<tr>
<td>PV-125</td>
<td>2350</td>
<td>115</td>
<td>58</td>
<td>128 104 85 74 63 47 32 15 -</td>
<td>1.43</td>
<td>5”</td>
</tr>
<tr>
<td>PV-125x</td>
<td>2745</td>
<td>115</td>
<td>85</td>
<td>206 190 170 153 135 110 88 62 33</td>
<td>1.77</td>
<td>5”</td>
</tr>
<tr>
<td>PV-150</td>
<td>2750</td>
<td>115</td>
<td>78</td>
<td>245 205 177 157 129 93 59 -</td>
<td>1.20</td>
<td>6”</td>
</tr>
<tr>
<td>PV-150x</td>
<td>2700</td>
<td>115</td>
<td>130</td>
<td>390 367 340 312 285 233 193 153 110</td>
<td>2.05</td>
<td>6”</td>
</tr>
<tr>
<td>PV-200</td>
<td>3100</td>
<td>115</td>
<td>130</td>
<td>402 375 350 327 296 239 179 135 85</td>
<td>1.94</td>
<td>8”</td>
</tr>
<tr>
<td>PV-200x</td>
<td>2930</td>
<td>115</td>
<td>180</td>
<td>544 515 485 464 415 360 312 273 230</td>
<td>2.64</td>
<td>8”</td>
</tr>
<tr>
<td>PV-250</td>
<td>3000</td>
<td>115</td>
<td>170</td>
<td>568 533 502 471 440 370 312 263 221</td>
<td>2.61</td>
<td>10”</td>
</tr>
<tr>
<td>PV-250x</td>
<td>3045</td>
<td>115</td>
<td>214</td>
<td>618 595 570 540 510 450 390 340 297</td>
<td>2.80</td>
<td>10”</td>
</tr>
<tr>
<td>PV-315</td>
<td>2920</td>
<td>115</td>
<td>200</td>
<td>669 640 610 581 552 489 427 368 309</td>
<td>2.21</td>
<td>12.4”</td>
</tr>
<tr>
<td>PV-315x</td>
<td>2730</td>
<td>115</td>
<td>365</td>
<td>943 903 860 815 766 628 511 440 389</td>
<td>3.9</td>
<td>12.4”</td>
</tr>
</tbody>
</table>

Performance certified is for installation type D-Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Speed (RPM or RPS) shown is nominal. Performance is based on actual speed of test.

SWF-SIDEWALL Fan

MODEL FEATURES

• Exhaust air up to 416 CFM with static pressure capabilities to 1.5” w.g.
• Galvanized steel casing with black backed enamel coating
• Pre-wired junction box
• Ideal for applications where space is limited
• Non-overloading backward inclined wheel for efficiency at higher static pressures
• cULus Listed

Air Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>RPM</th>
<th>Volts</th>
<th>Frequency</th>
<th>Current</th>
<th>Watts</th>
<th>CFM vs. Static Pressure (SP) Ins. WG</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWF-100</td>
<td>2200</td>
<td>120</td>
<td>60 Hz</td>
<td>0.52 A</td>
<td>57</td>
<td>119 106 92 78 64 44 26 - -</td>
</tr>
<tr>
<td>SWF-100X</td>
<td>2600</td>
<td>120</td>
<td>60 Hz</td>
<td>0.8 A</td>
<td>90</td>
<td>171 162 152 142 118 90 66 46 28</td>
</tr>
<tr>
<td>SWF-150</td>
<td>2600</td>
<td>120</td>
<td>60 Hz</td>
<td>0.8 A</td>
<td>90</td>
<td>235 221 197 181 168 122 81 60 27</td>
</tr>
<tr>
<td>SWF-150X</td>
<td>2800</td>
<td>120</td>
<td>60 Hz</td>
<td>1.0 A</td>
<td>115</td>
<td>354 332 310 287 266 230 192 147 96</td>
</tr>
<tr>
<td>SWF-200</td>
<td>2800</td>
<td>120</td>
<td>60 Hz</td>
<td>1.0 A</td>
<td>115</td>
<td>416 395 368 341 324 287 233 184 132</td>
</tr>
</tbody>
</table>