



ADVANCING  
VENTILATION®

# PREMIUM CHOICE SERIES

Advancing Ventilation®

Soler & Palau  
Ventilation Group





# PCXP

AC Motor Models



# PCD

DC Motor Models



# PCV

Value Series Models



# PCLP

Low Profile Models



# PCRL

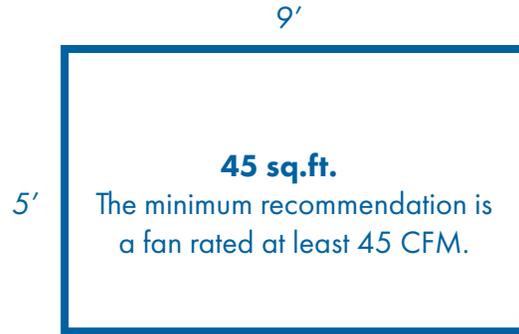
Recessed Vent Light Models

# BATHROOM FAN SIZING

Based on the Home Ventilating Institute (HVI) guidelines

## FAN SIZING FOR BATHROOMS UNDER 100 SQUARE FEET

The standard rule for bathrooms 100 square feet or smaller is one CFM per square foot of the bathroom. To find the square footage, multiply the length of the bathroom by the width.



Ventilation for baths over 100 square feet is calculated based on the fixtures in the bathroom (see table below). Add the CFM of all fixtures within the bathroom for the required fan CFM. Enclosed toilet rooms must have an operable window or a fan for ventilation.

### CFM REQUIRED PER FIXTURE

Toilet	50 CFM
Shower	50 CFM
Bath Tub	50 CFM
Jetted Tub	100 CFM

### EXAMPLE

1 Toilet	50 CFM
1 Jetted Tub	100 CFM
Required CFM	150 CFM



### SOLUTION

1. Install a 100 CFM fan over the tub, 50 CFM fan in the shower and above the toilet. This method will provide ventilation where and when it's needed.
2. Install one 150 CFM fan. The air will be pulled through the entire room and exhausted at a central location.

For more information on bath fan sizing and ventilation, visit [www.hvi.org](http://www.hvi.org).

# IMPROVE IAQ WITH THE PREMIUM CHOICE SERIES

Americans spend  
**90%**  
of their time  
**INDOORS.**

Indoor Air can be  
**2-5**  
**TIMES**  
MORE POLLUTED  
THAN OUTSIDE AIR

The EPA ranks  
**INDOOR AIR POLLUTANTS**  
as a  
**TOP FIVE**  
**HEALTH RISK.**



As buildings are being built with higher quality construction methods, balanced ventilation methods are more important than ever. An unbalanced home results in poor Indoor Air Quality (IAQ), causing inadequate conditions for your home and the inhabitants. As codes change, it is important for you to understand why Indoor Air Quality is so important and the options available to you from S&P USA.

Locate the best fan for your project to the right.

SERIES	MODEL	CFM	SONES +	PAGE
PCXP AC Motor Models	PC50XP	50	0.4	8
	PC80XP	80	0.4	8
	PC110XP	110	0.3	8
	PC150XP	150	0.5	8
PCD DC Motor Models	PCD80XH	80	1.5	10
	PCD110XP	110	0.3	10
	PCD110XIAQS	110	0.9	10
PCRL Recessed Light	PCRL80	80	1.2	12
	PCRL80F	80	1.2	12
PCV Value Series Models	PCV50	50	2.5	13
	PCV80	80	1.5	13
PCLP Low Profile Models	PCLP80	80	1.2	14
	PCLP100	100	2	14

## PREMIUM CHOICE DIFFERENCE



**LONG LIFE**



**BEST IN CLASS  
WARRANTY**



**STRESS-FREE  
INSTALLATION**



**PLUG-&-PLAY  
DESIGN**



**ENERGY  
EFFICIENT**

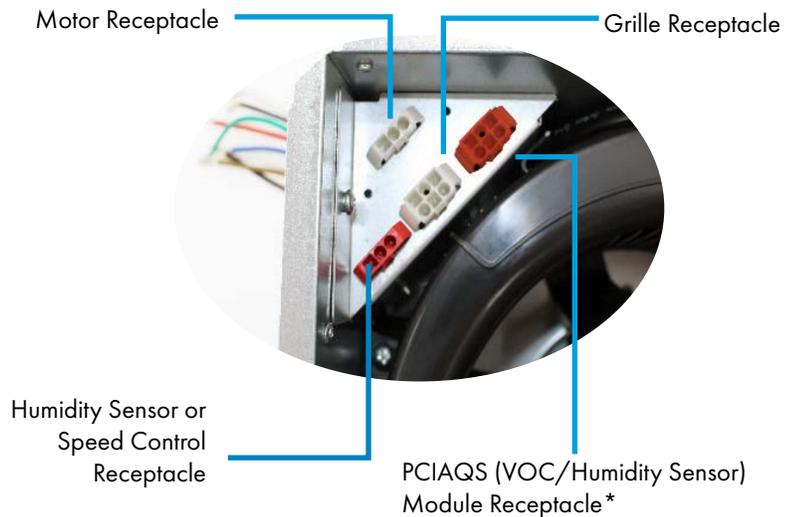
+ Sones represented at .1" of Static Pressure

# PLUG-&-PLAY MODULES + GRILLES

S&P's unique Plug-&-Play options make your CHOICE easy. Whether you're looking for a Speed Control, Humidity Sensor, Motion/Humidity Sensor or VOC Sensor, there is a control that connects to the receptacle and easily mounts into the pre-drilled holes inside the fan housing.

There is a receptacle for your grille CHOICE. Need a lighted fan? Choose the fluorescent or LED Lighted Grille Kits. Need a motion sensing fan? Choose the Motion Sensing Grille Kit. Either grille easily plugs into the grille receptacle to give you the fan of your CHOICE!

PC Fan models include receptacles based on compatibility. Learn more in our Accessories section.



## MODULES + GRILLES

- Humidity Sensor
- Volatile Organic Compound + Humidity Sensor
- Speed Control
- Motion + Humidity Sensor
- Grille Kit
- CFL Lighted Motion Grille
- LED Lighted Grille
- Lighted Motion Grille



\*The receptacle for the PCIAQS is field installed.

# UNDERSTANDING PLUG-&-PLAY

## PICK YOUR FAN

Pick a base fan from one of our Premium CHOICE Series models.

EXAMPLE: PC110XP AC Model



## PICK YOUR MODULE OR GRILLE

Choose a compatible Module or Grille Kit for your custom need

EXAMPLE: PCLMHKP Lighted Motion and  
--Humidity Sensor Kit for PCXP Series



## ORDER YOUR CUSTOM FAN

Order your Base Fan + Module/Grille to receive your full custom fan.

EXAMPLE: PC110XP + PCLMHKP



# PCXP - AC MOTOR MODELS



## FEATURES

- Extremely quiet operation 0.3 to 0.5 sones
- Redesigned blower for increased efficiency and lower sound
- Seamless Plug-&-Play integration
- Select models available as Contractor Packs (packs of 4)

MODEL	CFM	SONES +
PC50XP	50	0.4
PC80XP	90	0.4
PC110XP	120	0.3
PC150XP	150	0.5



## MODULES + GRILLES

HUMIDITY SENSOR  
**PCHSP**



SPEED CONTROL  
**PCSCP**



VOLATILE ORGANIC COMPOUND  
AND HUMIDITY SENSOR  
**PCIAQSP**



METAL GRILLE  
**PCMGP**



CFL LIGHTED GRILLE  
**PCLKP**



LIGHTED MOTION  
AND HUMIDITY  
GRILLE KIT  
**PCLMHKP**



RADIATION DAMPER  
**PCRD**



MOTION AND HUMIDITY  
GRILLE KIT  
**PCMHKP**



LED LIGHTED GRILLE  
**PCLEDKP**



LED LIGHTED GRILLE  
**PCVLEDKP**  
for PC50XP



RADIATION DAMPER  
**PCVRD**



\* UL certified includes 230V ONLY  
+ Sones shown are at .1" of Static Pressure

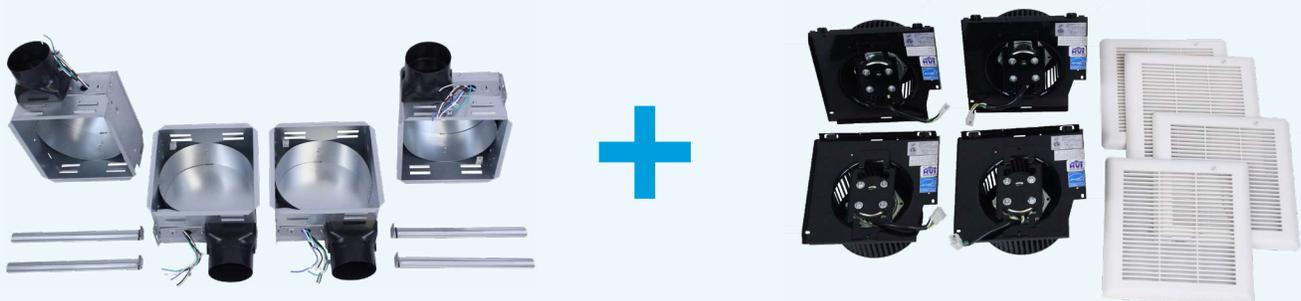
# PCXP - AC MOTOR MODELS

Fan Model	Accessory	Compatible with:
PC50XP	PCSCP	PCVRD, PCVLEDKP, PCVLEDKRDP
	PCHSP	
	PCVRD	PCSCP, PCHSP
	PCVLEDKP	
	PCVLEDKRDP	
PC80XP, PC110XP, PC150XP, PCHP, PC80XFP, PC110XFP	PCSCP	PCLKP, PCLEDKP, PCMGP, PCRD, PCLKRDP, PCLEDKRDP, PCMGKRDP
	PCHSP	
	PCIAQSP	
	PCLKP	PCSCP, PCHSP, PCIAQSP
	PCLEDKP	
	PCMGP	
	PCMHKP	NA
	PCLMHKP	
	PCRD	PCSCP, PCHSP, PCIAQSP
	PCLKRDP	
	PCLEDKRDP	
	PCMGKRDP	
	PCMHKRDP	NA
	PCLMHKRDP	

## WHAT IS A CONTRACTOR PACK?

Contractor Packs are broken into two packages: Housing (set of 4) and Motors + Grilles (set of 4). This allows installation flexibility for large scale projects that need to be completed in phases.

**AVAILABLE ON SELECT MODELS**



# PCD - DC MOTOR MODELS



## FEATURES

- Extremely quiet operation 0.3 to 1.5 sones
- Brushless DC motor for long life
- High/Low speed delay timer
- Built in control module with motion, humidity, speed control, and delay timer (options vary per model)
- Motion grille (purchased separately) is required for motion sensing capability

MODEL	CFM	SONES +
PCD80XH	80	1.5
PCD110XP	110	0.3
PCD110XIAQS	110	0.9

## MODULES + GRILLES

FOR PCD80XH

CFL LIGHTED GRILLE  
**PCVLK**



LED LIGHTED GRILLE  
**PCVLEDK**



RADIATION DAMPER  
**PCVRD**



FOR PCD110IAQS

CFL LIGHTED GRILLE  
**PCLK**



LED LIGHTED GRILLE  
**PCLEDK**



METAL GRILLE  
**PCMG**



RADIATION DAMPER  
**PCRD**



FOR PCD110XP

CFL LIGHTED GRILLE  
**PCLKP**



LED LIGHTED GRILLE  
**PCLEDKP**



METAL GRILLE  
**PCMGP**



MOTION GRILLE  
**PCMRGP**



FOR PCD110XP

LIGHTED MOTION  
AND HUMIDITY  
GRILLE KIT  
**PCDLMGP**



RADIATION DAMPER  
**PCRD**



Model	Accessory	Compatible with:
PCD80XH	PCVLK	NA
	PCVLEDK	
	PCVLEDKRD	
	PCVRD	
PCD110XIAQS	PCLK	NA
	PCLEDK	
	PCMG	
	PCRD	
	PCLKRD	
	PCLEDKRD	
	PCMGKRD	
PCD110XP	PCLEDKP	NA
	PCLKP	
	PCMG	
	PCDLMGP	
	PCMRGP	
	PCRD	
	PCMRGRDP	
	PCLKRDP	
	PCLEDKRDP	
	PCMGKRDP	
	PCDLMGRDP	



# AUTOFLO™ FROM S&P USA

Autoflo™ is an innovative technology that automatically adjusts the fan speed based on the actual Static Pressure in the duct system ensuring a specified amount of airflow. Available on PCD110XP.

# PCRL- RECESSED LIGHT MODEL



## FEATURES

- Designed to look like a recessed can light
- Quiet operation 1.2 sones
- Eliminates the need for a can light and a fan in the bathroom saving time and money!

MODEL	CFM	SONES +
PCRL80	80	1.2
PCRL80F	80	1.2



## MODULES

HUMIDITY SENSOR  
**PCHS**



SPEED CONTROL  
**PCSC**



LIGHT COVER  
**PCRL80LC**



Model	Accessory	Compatible with:
PCRL80, PCRL80F	PCSC	PCRL80LC
	PCHS	

+ Sones shown are at .1" of Static Pressure

# PCV-VALUE MODELS



## FEATURES

- Quiet operation 1.5 to 2.5 sones
- 4" duct connector with built-in backdraft damper
- Available as Contractor Packs (packs of 4)

MODEL	CFM	SONES <sup>+</sup>
PCV50	50	2.5
PCV80	80	1.5



## MODULES + GRILLES

HUMIDITY SENSOR  
**PCHS**



SPEED CONTROL  
**PCSC**  
PCV80 only



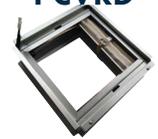
LIGHTED GRILLE  
**PCVLK**



LED LIGHTED GRILLE  
**PCVLEDK**



RADIATION DAMPER  
**PCVRD**



Model	Accessory	Compatible with:
PCV50, PCV50H, PCV50F	PCVRD	NA
	PCHS	PCVRD, PCVLEDK, PCVLK
	PCVLK	PCHS
	PCVLEDK	PCHS
	PCVLEDKRD	PCHS
PCV80, PCV80H, PCV80F	PCSC	PCVRD, PCVLK, PCVLEDK, PCVLEDKRD
	PCHS	
	PCVRD	PCSC, PCHS
	PCVLK	PCSC, PCHS
	PCVLEDK	PCSC, PCHS
	PCVLEDKRD	PCSC, PCHS

# PCLP - LOW PROFILE MODELS



## FEATURES

- Low profile housing design
- Suitable for sidewall mounting
- Quiet operation 1.2 to 2.0 sones
- Available as Contractor Packs (Pack of 4)
- No ceiling radiation damper is required when wall mounted, saving time and money

MODEL	CFM	SONES +
PCLP80	80	1.2
PCLP100	100	2



## OPTIONAL ACCESSORY

PCLP 4" OVAL TO 3" ROUND REDUCER

**PCLPR4-3**



## MODULES + GRILLES

HUMIDITY SENSOR  
**PCLPHS**



SPEED CONTROL LED LIGHTED GRILLE  
**PCLPSC PCLPLEDK**



RADIATION DAMPER  
**PCLPRD**



Model	Accessory	Compatible with:
PCLP80, PCLP100, PCLPH, PCLP80F, PCLP100F	PCLPLEDK	PCLPR4-3
	PCLPRD	
	PCLPLEDKRD	
	PCLPR4-3	EVERYTHING ABOVE



## DID YOU KNOW?

The Premium CHOICE Low Profile Models can be mounted in sidewalls allowing flexibility in placement in Mixed-Use buildings.

# GRILLES



**METAL GRILLE -  
PCMG/PCMGP**

- Ideal for commercial applications



**Motion and Humidity Sensing Grille Kit -  
PCMHKP**

- Automatically turns on fan when motion or humidity is sensed
- Adjustable time delay shut-off from 5 to 60 minutes
- Speed Controllable low speed if enabled



**Lighted Motion and Humidity Sensing  
Grille Kit -**

**PCLMHKP**

- 13 watt GU24 bulb and 4 watt night light bulb
- Automatically turns on fan when motion and/or humidity is sensed
- Adjustable time delay shut-off from 5 to 60 minutes
- Speed Controllable low speed if enabled



**CFL Lighted Grille Kit -  
PCLK/PCLKP**

- 13 watt GU24 bulb and 4 watt light bulb



**LED Lighted Grille Kit-  
PCLEDKP/PCLPLEDK**

- 11 watt LED light
- 4100K/1100 lumens
- 2 watt LED night light setting 200 lumens



**CFL Lighted Grille Kit for PC Value-  
PCVLK**

- 13 watt GU24 bulb
- 2700K/900 lumens
- Simple plug-in receptacle in fan housing



**LED Lighted Grille Kit for PC Value -  
PCVLEDK/ PCVLEDKP**

- 13 watt LED light
- 4100K/1100 lumens
- 2 watt LED night light setting 200 lumens
- Can be installed with new or pre-installed fan

# PLUG-&-PLAY MODULES



**PCHS PCHSP**



**PCLPHS**

## HUMIDITY SENSOR

- Detects rapid rise in humidity
- Auto-shut off timer
- Accessible sensitivity adjustment
- Meets Title 24 bathroom fan requirement



**PCSC PCSCP**



**PCLPSC**

## SPEED CONTROL

- Provides seamless two speed operation without additional wiring at the wall switch
- Accessible speed adjustment
- High speed override
- Allows for adjustable continuous speed to meet ASHRAE 62.2



**PCIAQSP**

## VOLATILE ORGANIC COMPOUND (VOC) AND HUMIDITY SENSOR

- Detects VOCs and/or rapid rise in humidity at the ceiling
- Speed control to run fan continuously
- Meets California Title 24 bathroom fan requirement (CALGreen)

# WALL CONTROLS OPTIONS



## 3-SWITCH CONTROL

**PC3S**

- Three Rocker Combination Switch with ground screw terminals and push-in wiring



## FAN/LIGHT DELAY TIMER SWITCH

**FLTD-60**

- Saves energy by automatically turning exhaust fan off
- One Switch controls fan and light
- Digital Timing circuit
- Fits single switch outlet box



## ROTARY SPRING WOUND TIMER

**SRT-30**

- Hold feature enables user to override the automatic shut-off function
- Press-on knob design ensures quick and easy installation
- CFL Compatible



## ELECTRONIC PUSH BUTTON TIMER

**EPBT-60**

- 10-20-30-60 minute timer
- Activate by pushing the button



## ASHRAE 62.2 BATH FAN VENTILATION CONTROL

**FT-622**

- Programmable DELAY and VENTILATION settings
- Works with ALL incandescent, CFL, fluorescent and LED lights up to 450 watts
- Earn LEED and ENERGY STAR points for enhanced exhaust ventilation



## PROGRAMMABLE FAN TIMER 24 HOURS/ 7 DAYS

**FT247**

- Hold feature enables user to override the automatic shut-off function
- Press-on knob design ensures quick and easy installation
- CFL Compatible

# RADIATION DAMPER KITS

## GENERAL FEATURES

- 3-hour rating ceiling radiation dampers
- Ceramic fiber with fiberglass cover fire blanket
- Roll-formed frame 22 g. galvanized steel



CFL LIGHTED GRILLE AND RADIATION DAMPER KIT  
**PCLKRD**



LED LIGHTED GRILLE AND RADIATION DAMPER KIT  
**PCLEDKRD/PCLEDKRD**



MOTION AND HUMIDITY SENSING GRILLE AND RADIATION DAMPER KIT  
**PCMHKRD**



LIGHTED MOTION AND HUMIDITY SENSING GRILLE AND RADIATION DAMPER KIT  
**PCLMHKRD**



METAL GRILLE AND RADIATION DAMPER KIT  
**PCMGKRD/PCMGKRD**



LED LIGHT KIT FOR PREMIUM CHOICE VALUE SERIES AND RADIATION DAMPER KIT  
**PCVLEDKRD/PCVLEDKRD**



LED LIGHT KIT FOR PREMIUM CHOICE LOW PROFILE SERIES AND RADIATION DAMPER KIT  
**PCLPLEDKRD**



MOTION GRILLE AND RADIATION DAMPER KIT  
**PCMRGRDP**



LIGHTED MOTION AND HUMIDITY SENSING GRILLE AND RADIATION DAMPER KIT  
**PCDLMGRDP**

# PREMIUM CHOICE SERIES



**LONG LIFE**



**BEST IN CLASS  
WARRANTY**



**STRESS-FREE  
INSTALLATION**



**PLUG-&-PLAY  
DESIGN**



**ENERGY  
EFFICIENT**







**S&P USA Ventilation Systems, LLC**

6393 Powers Avenue  
Jacksonville, FL 32217  
T. 904-731-4711 • F. 904-737-8322  
[www.solerpalau-usa.com](http://www.solerpalau-usa.com)

**S&P Canada Ventilation Products, Inc.**

6710 Maritz Drive Unit #7  
Mississauga, ON L5W 0A1 - Canada  
T. 416-744-1217 • F. 416-744-0887  
[www.solerpalaucanada.com](http://www.solerpalaucanada.com)

