


FAN APPLICATIONS

APPLICATIONS									
MODELS	GENERAL	ROOM EXHAUST	KITCHEN EXHAUST	PARKING GARAGE	LAUNDRY EXHAUST	GYM	DINING	PATIO	POOL
CM			✓	✓					
EXHAUST FANS									
eGED/GED 				✓					
PC 		✓			✓				
PV-DEDPV		✓			✓				
LCE/L2E/L3E				✓					
CENTRIFUGAL FANS									
SDB		✓							
SDBD/e 		✓							
STXD/e 		✓	✓						
STXB/STXB-RHUL		✓	✓						
SQD/eSQD 					✓				✓
SQB									✓
IFFT/IFAB/IFEB/TJFU				✓					
OUTSIDE AIR SOLUTIONS (OAS)									
TD	✓								
REFRESH 	✓								
FB	✓								
MDX	✓								
TR/e 	✓								
HIGH VOLUME LOW SPEED FANS (HVLS)									
TEMPEST/TORNADO						✓	✓	✓	
CEILING/CABINET VENTILATORS									
LOSONE		✓			✓				
DIRECT DRIVE MIXED FLOW FANS									
SMXDK/SMXDKE				✓					

**WHAT IS ECOWATT?** 

S&P Ventilation Systems has developed the Ecowatt® standard to classify energy-efficient products that use electronically commutated (EC) or direct current (DC) motors. Models that fall under this standard have a certified performance through AMCA (Air Movement and Control Association International, Inc.) or HVI (Home Ventilating Institute). If the products designed for residential applications the model must be ENERGY STAR® qualified.



ORDER NOW  
FIND A FAN FIT FOR EVERY SPACE



MIXED-USE BUILDING  
FAN APPLICATION GUIDE



**S&P USA VENTILATION SYSTEMS, LLC**  
6393 Powers Avenue; Jacksonville, FL 32217  
SolerPalau-USA.com | 800.961.7370

**S&P CANADA VENTILATION PRODUCTS, INC.**  
6710 Maritz Drive, Unit 7; Mississauga, ON L5W 0A1, Canada  
SolerPalauCanada.com | 416.744.1217





# VENTILATION AND MIXED-USE BUILDINGS

All buildings share similar ventilation needs: maximize energy efficiency and provide fresh air for occupants. As buildings become tighter, they can seal in pollutants if not properly ventilated. Indoor air quality (IAQ) refers to the quality of the air within buildings, as it relates to the health and comfort of the occupants. Poor IAQ can pose health risks to occupants and cause structural damage to buildings.

## WHAT ARE MIXED-USE BUILDINGS AND WHAT TYPE OF VENTILATION DO THEY REQUIRE?

Mixed-use buildings (MUBs) combine residential living with shopping, entertainment, and dining to provide a convenient planned community. MUBs are generally classified into two categories: low rise and high rise. Three stories and below are considered low-rise while four stories and above are considered high rise. MUBs need HVAC systems that can address both their residential and commercial needs.

### Multifamily

Mixed-use developments often include multifamily housing as a key component. A multifamily property is a building or complex that contains two or more separate living units within it. These units are designed for different households and typically include their own kitchens and bathrooms. Examples of multifamily include apartment complexes, townhouses, and condominiums. These buildings are designed to accommodate numerous families, providing shared amenities like fitness centers, laundry rooms, and club houses. Because of the high volume of occupants, healthy ventilation is critical in multifamily environments. **TRLPe 110 energy recovery ventilator** or **PCD110XP fan** can provide the airflow needed to support healthier indoor environments for residents and visitors alike.

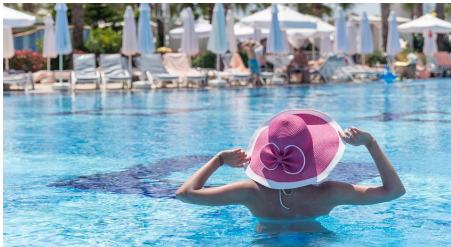


SCAN TO VIEW  
MULTIFAMILY  
APPLICATION



### Hotels and Resorts

Hotels and resorts offer a variety of amenities and services. These include pools, restaurants, gyms, meeting rooms, parking garages, laundry facilities, and the guest rooms themselves. With a multitude of transient occupants in these diverse spaces, these buildings require ample airflow to create a healthy atmosphere. S&P Ventilation Systems offers a comprehensive range of ventilation solutions, including the **STXD commercial ventilation fans** and residential **TD Inline fans**, designed to maximize the airflow performance.



SCAN TO  
VIEW HOTEL  
APPLICATION



### Assisted Living

Assisted living and nursing home residences are homes to our family members, friends, and loved ones. Poor indoor air quality can expose them to allergens, pollutants, and toxins that weaken their body's natural defenses. Seniors are the most vulnerable demographic to fall to illness. Increasing airflow indoors is associated with better health, faster recovery times, and reduced viral spread. Fans like the **reFresh series** with its built-in filtration system and the **PCLPD100XHP** which utilizes **AUTOFLO™** Technology to increase efficiency and lower energy costs are perfect for this type of application.

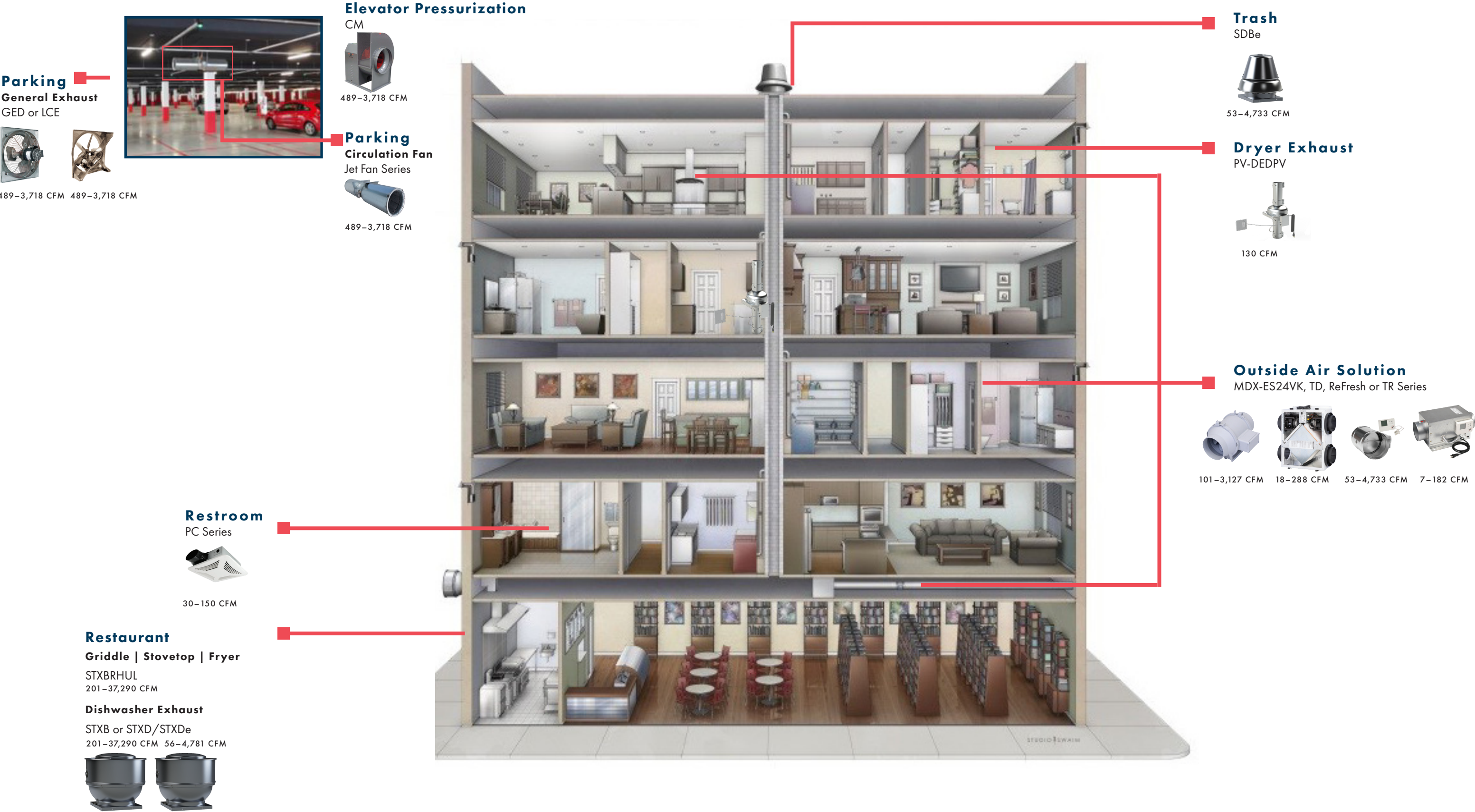


SCAN TO VIEW  
ASSISTED LIVING  
APPLICATION



# A FAN FIT FOR EVERY SPACE

S&P Ventilation Systems supplies a variety of fans for every room in mixed use buildings. This diagram illustrates how we provide optimal airflow and ventilation solutions across a mixed-use building by showcasing strategic placement of our ventilation products throughout various areas of a mixed-use facility.



AutoFlo is an innovative technology that automatically increases fan speed in response to rise in static pressure, helping to sustain the set airflow (CFM) as system resistance increases.

