



Proudly Engineered,
Tested,
and Manufactured
in the USA



HVAC UNIT
MOUNTED

VoltAire Systems Pressurization Modules are fan powered to provide the ability to apply positive pressure to a building or room. Designed to be economical and attach seamlessly to a wall mount HVAC unit. Pressure levels are manually adjusted using a rotary potentiometer. Filters limit potential dust or debris from entering the pressurized area.

Standard Features

- Independent power supply
- 1" Pre-filter/mist eliminator and 2" final filter
- High efficiency centrifugal fan with high static pressure capability
- Manual fan speed potentiometer/dial to adjust building pressure
- Compatible for easy mounting to Bard 3.5-6 Ton Wall Mount AC Units, optional plenum for mounting to Bard 1.5-3 ton units

Optional Features

- Custom colors
- Stainless steel construction
- Shutdown low leakage damper
- HVAC blower/fan interlock
- Emergency shutdown terminals
- Customization with additional airflow, additional static pressure, and/or 48VDC power supply
- Economizer exhaust modification kits
- Plenum for easy W18-W36 AC Unit Mounting

Applications

- Data centers
- Clean rooms
- Battery rooms
- Equipment buildings
- Manufacturing facilities



Website:
www.VoltAireSys.com

Phone:
(407) 378-7482

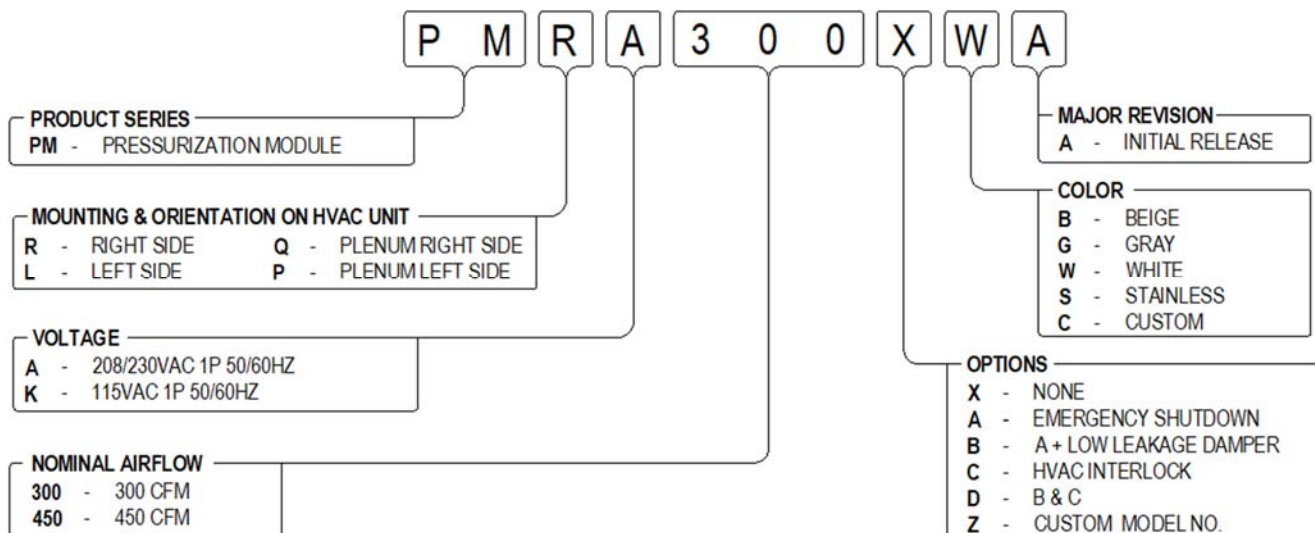
Address:
2900 W. Orange Ave. Ste. 100
Apopka, FL 32703

VoltAire Doc. #DC0121B
Published March 6, 2023

Technical Data

Model	PM300		PM450	
Unit Information				
Nominal Airflow (+/- 0.1" Bldg Pressure)	300 CFM		450 CFM	
Operational Temperatures (°F / °C)	-40 to 131 / -40 to 55			
Electrical Data				
Voltage (Single Phase / 50-60Hz)	115VAC	230VAC	115VAC	230VAC
Minimum Circuit Ampacity (Amps)	3	2	4	2
Max. Overcurrent Protection (Amps)	5	5	5	5
Physical Specifications				
Weight (lbs/kg)	34 / 15.4		36 / 16.3	

PRESSURIZATION MODULE MODEL NOMENCLATURE



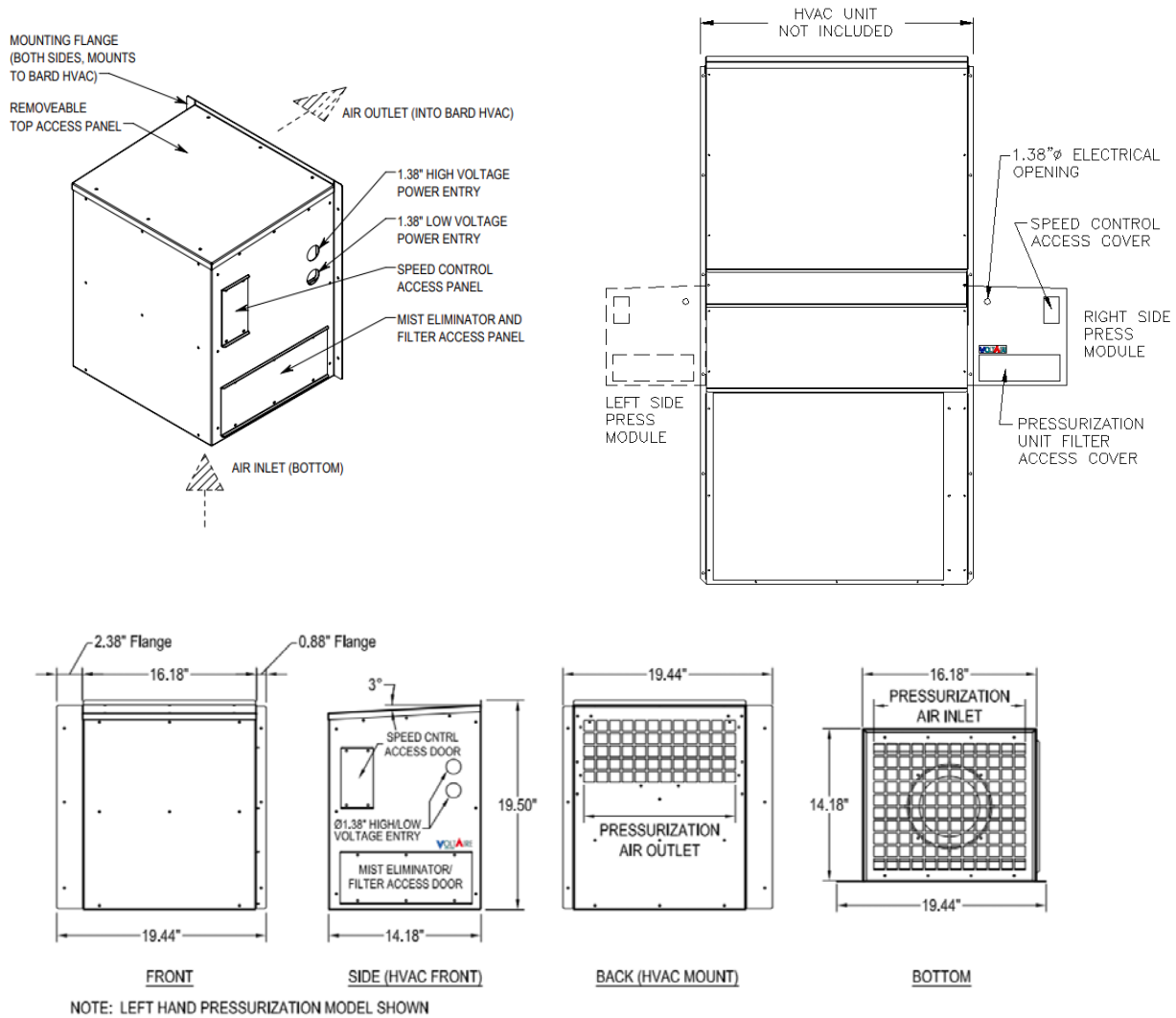
Website:
www.VoltAireSys.com

Phone:
(407) 378-7482

Address:
2900 W. Orange Ave. Ste. 100
Apopka, FL 32703

VoltAire Doc. #DC0121B
Published March 6, 2023

General Configuration and Dimensions (Configuration and size may vary by options selected)



Option Economizer Exhaust Modification Kit Part Numbers:

AC Unit Model	Econ Mod Kit Part No.
W18 - W24	W18-W24ECONMODKIT
W30 - W36	W24-W30ECONMODKIT
W42 - W72	W42-W72ECONMODKIT



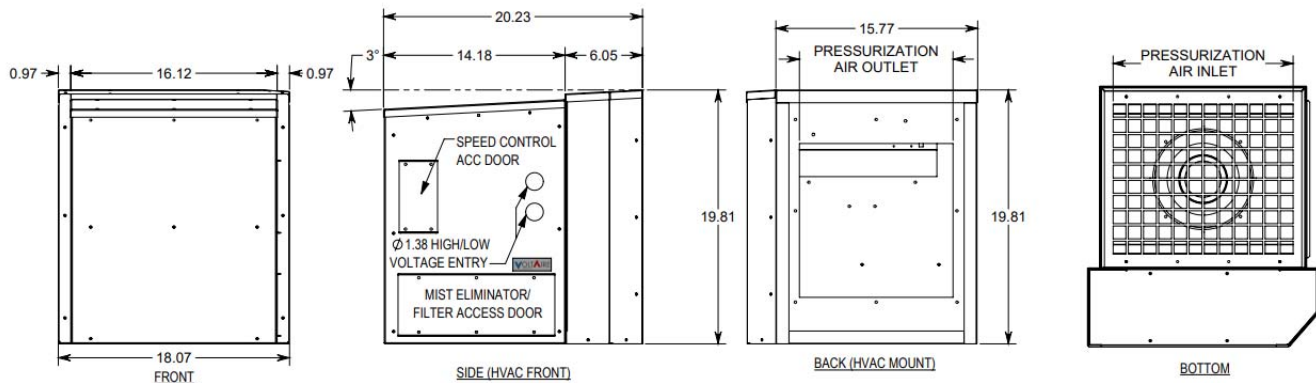
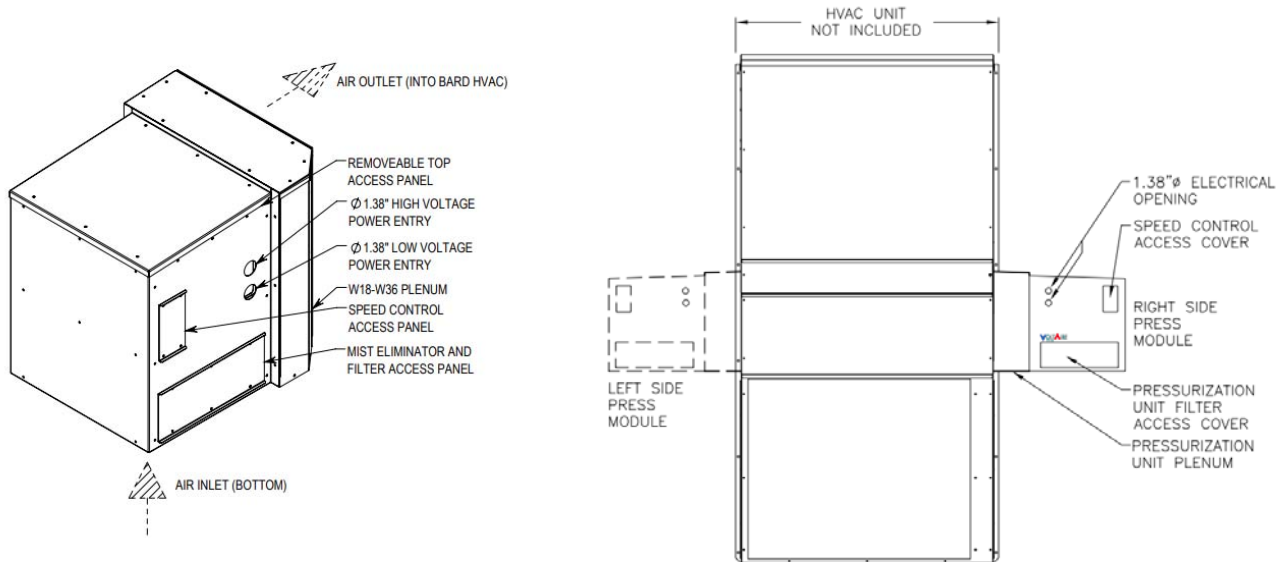
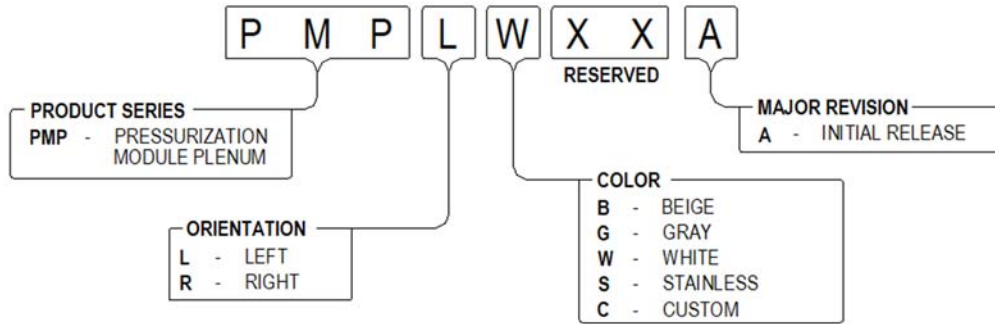
Website:
www.VoltAireSys.com

Phone:
(407) 378-7482

Address:
2900 W. Orange Ave. Ste. 100
Apopka, FL 32703

VoltAire Doc. #DC0121B
Published March 6, 2023

Optional Plenum Nomenclature & Dimensions (for use with W18-W36 AC Units):



Website:
www.VoltAireSys.com

Phone:
(407) 378-7482

Address:
2900 W. Orange Ave. Ste. 100
Apopka, FL 32703

VoltAire Doc. #DC0121B
Published March 6, 2023

Important Application Notes

- HVAC independent humidity control highly recommended for mild to high humid environments due to outside air/fresh air pressurization.
- Positive pressurization requires a well-sealed building/room envelope. Take extraordinary means to ensure building/room envelope sealing.
- If HVAC units are equipped with economizers, special accommodations may be required to the HVAC unit as building/room pressure will be affected by economizer operation. See optional economizer exhaust kit to reduce economizer exhaust during economizer mode to assist with maintaining building pressure.
- Consider outdoor air load in HVAC sizing calculations to ensure proper heating, cooling, and dehumidification for outside air provided by the pressurization module.
- Custom applications are available. Please contact your HVAC distributor or VoltAire for available customizations.



Website:
www.VoltAireSys.com

Phone:
(407) 378-7482

Address:
2900 W. Orange Ave. Ste. 100
Apopka, FL 32703

VoltAire Doc. #DC0121B
Published March 6, 2023