



Marc Climatic Controls, Inc.

HAZARDOUS LOCATION ROOM PRESSURIZATION UNIT FOR TYPE Z PRESSURIZING IN COMPLIANCE WITH NFPA 496 Class I, Division 2, Groups B, C, D



- Maintains positive pressure in a closed room.
- Variable speed blower delivers maximum air flow for 60 fpm purge through open doors.
- Allows the use of general purpose, or unclassified equipment in an otherwise hazardous (classified) location.

Features:

- CSA Certified assuring safety & performance.
- Variable speed fan control.
- Self-contained with built-in controls for easy installation and operation.
- Slide-out controls drawer for easy service.
- Conduit connections in front of cabinet.
- Non-sparking direct drive blower with totally enclosed motor.
- Heavy gauge galvanized steel cabinet.
- Ring flange for stack connection.
- Aluminum grille with permanent washable aluminum filter.
- Single or three phase, 50 or 60 HZ.

Options:

- Fresh air stack - galvanized or stainless steel spiral pipe with connection flanges, guy-wire connection, and raincap with birdscreen.
- Free-standing stack (for use without guy-wires).
- Remote control panel if pressurizer will be roof mounted or installed high in a vertical wall.
- Disconnect(s).
- Stainless Steel Cabinet.



PVSX Series Single Fan Unit
Shown with open controls drawer



PVDX Series Dual Fan Unit
Shown with knee brace attachment
and exterior wall connection flange

PRESSURIZATION UNITS

PVSX - PVDX SERIES

FOR NFPA 496

TYPE Z PRESSURIZING

HAZARDOUS LOCATIONS

CLASS I, DIVISION 2, GROUPS B,C,D

OPERATING TEMPERATURE CODE

T2D - 419°F (215°C)

The pressurization units shown below are certified by CSA International to U.S. and Canadian standards for use in Class I, Division 2, Groups B, C, D hazardous (classified) locations. CSA International is accredited as a Nationally Recognized Testing Laboratory by the U.S. Occupational Safety and Health Administration (OSHA).

Model	Wheel Size	Number of Blowers	CFM Each Blower (1)	HP (2) Each Motor	Volts Phase Hertz	MCA (3) Circuit		MFS (4) Circuit		No. of 3' x 7' Doors for 60 FPM Purge	Stack Dia.
						1	2	1	2		
PVSX12-216	12"	One	1,800	1/2	230/208-1-60	5.6	N/A	15	N/A	One	14"
PVSX12-236	12"	One	1,800	1/2	230/208-3-60	2.5	N/A	15	N/A	One	14"
PVSX12-436	12"	One	1,800	1/2	460-3-60	1.3	N/A	15	N/A	One	14"
PVSX14-216	15"	One	3,000	2	230/208-1-60	7.5	N/A	15	N/A	Up To Two	18"
PVSX14-236	15"	One	3,000	2	230/208-3-60	7.5	N/A	15	N/A	Up To Two	18"
PVSX14-436	15"	One	3,000	2	460-3-60	3.75	N/A	15	N/A	Up To Two	18"
PVSX16-216	18"	One	4,000	2	230/208-1-60	7.5	N/A	15	N/A	Up To Three	18"
PVSX16-236	18"	One	4,000	2	230/208-3-60	7.5	N/A	15	N/A	Up To Three	18"
PVSX16-436	18"	One	4,000	2	460-3-60	3.75	N/A	15	N/A	Up To Three	18"
PVSX18-216	24"	One	5,500	2	230/208-1-60	7.5	N/A	15	N/A	Up To Four	24"
PVSX18-236	24"	One	5,500	2	230/208-3-60	7.5	N/A	15	N/A	Up To Four	24"
PVSX18-436	24"	One	5,500	2	460-3-60	3.75	N/A	15	N/A	Up To Four	24"
PVDX12-216	12"	Two	1,800	1/2	230/208-1-60	5.6	5.6	15	15	One	14"
PVDX12-236	12"	Two	1,800	1/2	230/208-3-60	2.5	2.5	15	15	One	14"
PVDX12-436	12"	Two	1,800	1/2	460-3-60	1.3	1.3	15	15	One	14"
PVDX14-216	15"	Two	3,000	2	230/208-1-60	7.5	7.5	15	15	Up To Two	18"
PVDX14-236	15"	Two	3,000	2	230/208-3-60	7.5	7.5	15	15	Up To Two	18"
PVDX14-436	15"	Two	3,000	2	460-3-60	3.75	3.75	15	15	Up To Two	18"
PVDX16-216	18"	Two	4,000	2	230/208-1-60	7.5	7.5	15	15	Up To Three	18"
PVDX16-236	18"	Two	4,000	2	230/208-3-60	7.5	7.5	15	15	Up To Three	18"
PVDX16-436	18"	Two	4,000	2	460-3-60	3.75	3.75	15	15	Up To Three	18"
PVDX18-216	24"	Two	5,500	2	230/208-1-60	7.5	7.5	15	15	Up To Four	24"
PVDX18-236	24"	Two	5,500	2	230/208-3-60	7.5	7.5	15	15	Up To Four	24"
PVDX18-436	24"	Two	5,500	2	460-3-60	3.75	3.75	15	15	Up To Four	24"

- (1) Minimum CFM with 30' straight fresh air stack as designed by Marc Climatic Controls, Inc.
- (2) HP: Blower Motor Horsepower. PVSX has one motor and PVDX has two motors.
- (3) MCA: Minimum Circuit Ampacity.
- (4) MFS: Recommended Fuse or Circuit Breaker Size.

Specifications are subject to change without notice.
3-27-05 (Supersedes 12-28-04)



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