



# Marc Climatic Controls, Inc.

## HAZARDOUS LOCATION VPAX G-Series

### DUAL AIR CONDITIONING SYSTEM With NFPA 496 Type Z Pressurizing

- **Space-saving** dual air conditioning system combines two air conditioners into a single system. One wall cut-out saves installation time and space.
- **Cool and heat** - dual air conditioning.
- **Gas-phase air filtration** - eliminate odors and reduce concentrations of hydrocarbons and corrosive gases.
- **Pressurization** - dual pressurization blowers. Provides positive pressure inside a closed space. Delivers maximum air flow through two open doors.
- Pressurization system and condenser (outdoor) section is Class I, Division 2, Groups C, D or B, C, D.
- Standard heating is general purpose electric resistance type for use after the room has been declassified.



VPAX shown above with twin 10-ton cooling systems

### Features:

- Two independent, removeable cooling and heating units for full redundancy.
- Dual pressurization and dual purge in compliance with NFPA 496.
- Gas-phase air filtration chemical media cells.
- Single-package construction with fork-lift base.
- Built-in controls for room-side access.
- Wiring completion from inside the room.
- Room pressure gauge, thermostats, humidistats and selector switches conveniently located on control panel door.
- 7-day timer for equal run time on each unit.
- Fresh air stack connection.
- Class I, Division 2 design in the outdoor and pressurization sections.
- Corrosion coatings extend cabinet and coil life in harsh environments for reduced maintenance and increased long-term cost savings.

### Options:

- Supply air ductwork for building interior.
- Stainless steel cabinet for maximum protection.
- Deep-bed media bed in lieu of cells.
- Furnished with particulate filters only and without gas-phase air filtration.
- Purge for three or more doors.
- Operation of both air conditioners at the same time (requires larger cabinet and base).
- Copper-finned, copper tube coils.
- Disconnects.
- 50 HZ service.
- Fresh air stack with raincap and birdscreen. (specify guy-wire type or free standing).
- Special customer requirements.

# VPAX DUAL AIR CONDITIONING SYSTEM

**VAPX G-SERIES - 60 HZ -  
NFPA 496 TYPE Z PRESSURIZING**

**PRESSURIZATION SYSTEM &  
CONDENSER (OUTDOOR) SECTION:  
CLASS I, DIVISION 2, GROUPS C,D or B,C,D**

**OPERATING TEMPERATURE CODE:  
T2D - 419°F (215°C) GROUPS B,C,D  
T3B - 329°F (165°C) GROUPS C,D**

The VPAX series is specifically designed to provide a safe, clean indoor environment for RIE and similar buildings containing computers and other sensitive electronics and equipment. Featuring **twin removable heating and cooling units** for full redundancy, the VPAX incorporates cooling, heating, and **gas-phase air filtration** with **dual pressurization** into a single system. The system provides Class I, Division 2 hazardous location positive pressurization to prevent infiltration of hazardous and corrosive gasses and reduce the classification inside the building to an ordinary (non-hazardous) location. The VPAX is designed to allow for easy installation and maintenance. The complete assembly is designed for installation on the exterior of the building on a customer-furnished support. Only the control section with supply and return air openings penetrates the building making for a minimal wall cutout.

<i>Model</i>	<i>Cooling BTUH ** Each Unit</i>	<i>Standard Heat (KW) Each Unit</i>	<i>Optional Heat Each Unit</i>	<i>Volts Phase Hertz</i>
VPAX042-216-10G- * 2	43,000	10	5, 10, 15	230/208-1-60
VPAX042-236-09G- * 2	43,000	9	15, 18	230/208-3-60
VPAX042-436-09G- * 2	43,000	9	15, 18	460-3-60
VPAX048-216-10G- * 2	47,500	10	5, 15, 20	230/208-1-60
VPAX048-236-09G- * 2	47,500	9	15, 18	230/208-3-60
VPAX048-436-09G- * 2	47,500	9	15, 18	460-3-60
VPAX060-216-10G- * 2	57,500	10	5, 15, 20	230/208-1-60
VPAX060-236-09G- * 2	57,500	9	15, 18	230/208-3-60
VPAX060-436-09G- * 2	57,500	9	15, 18	460-3-60
VPAX070-236-09G- * 2	67,000	9	15, 18	230/208-3-60
VPAX070-436-09G- * 2	67,000	9	15, 18	460-3-60
VPAX090-236-09G- * 2	90,000	9	15, 18	230/208-3-60
VPAX090-436-09G- * 2	90,000	9	15, 18	460-3-60
VPAX120-236-09G- * 2	120,000	9	15, 18	230/208-3-60
VPAX120-436-09G- * 2	120,000	9	15, 18	460-3-60
VPAX150-236-09G- * 2	150,000	9	15, 18	230/208-3-60
VPAX150-436-09G- * 2	150,000	9	15, 18	460-3-60

\* Insert "C" for Groups C,D, or "B" for Groups B,C,D.

Specifications are subject to change without notice.

\*\* Rated at 95°F ambient with 80°DB / 67°WB return air temperature.

9-1-08



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