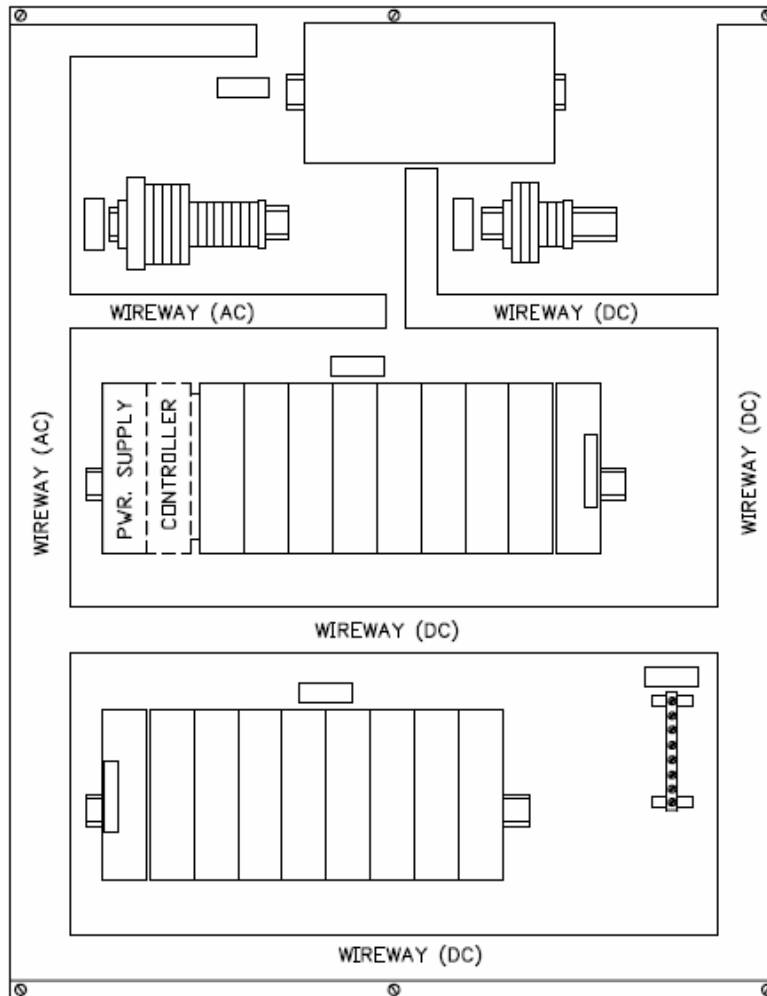




Wall Mount DeltaV™ Cabinet



- Minimized design costs
- Decreased delivery time
- Decreased material and labor costs through standardized approach
- Decreased quotation time

Introduction

DeltaV cabinets are designed to be a flexible addition to any system and, when combined with Emerson Process Management's Engineering Services, can be customized to meet client- or project-specific requirements.

Using a standardized approach, Emerson can deliver a flexible package to minimize design costs and decrease cabinet delivery time.



Features

- 40"H x 32"W x 12"D wall mount NEMA 12 enclosure
- For general-purpose areas
- PVC wire ducts
- Designed for simplex controller (controller not included)
- For one 2-wide carrier (for system power supply and controller)
- For one or two 8-wide carriers (for up to 16 DeltaV™ cards)
- One DC/DC system power supply, fed from 24VDC bulk power supply
- One bulk AC to 24VDC power supply
- Incoming AC power breaker and terminal blocks
- 24VDC fuses and terminal blocks
- Individual power fuse for each carrier power connection
- One isolated ground bar
- Power wiring to power supplies and carriers
- Designed to North American specifications
- Cabinet flexibility
- Minimized engineering and design costs
- Decreased delivery time



Additional Services

- Availability of Emerson Engineering Services for customization:
 - Nameplates
 - Marshalling
 - Autocon testing of I/O
 - Pharmaceutical validation
 - I/O card installation
 - Adaptation to environmental conditions

For more information regarding available Emerson Engineering Services, refer to the services data sheet.



Product Description

The following tables describe the Single Door Wallmount DeltaV™ Cabinet for two 8-wide carriers:

Enclosure Description	
ITEM	DESCRIPTION
Cabinet	Single Door, Wall Mount, NEMA 12 Enclosure, 40"Hx32"Wx12"D
Sub-panel	Sub-panel 38"Hx29"W
Material	Body: 16 gauge carbon steel body Door: 14 gauge carbon steel door
Finish Color	Enclosure / Door: E-coat primer and powder painted
	Outside: RAL 7035 light grey
Sub Panel	Galvanized

Items supplied with Cabinet
DESCRIPTION
Ground Bar (15) #14 - #4 & (1) #1/0 - #4/0 Lugs.
Insulator Kit for Ground Bar
DIN Mounting Rail, Perforated
Terminal Strip End Brackets
Insertion Bridge (Jumper Bars)
Fuse Terminal Blocks, 600V, 25 AMP
Terminals, 1-Pole, 600V, 41 AMP
Ground Terminals, 1-Pole, 600V
Terminal End Covers
Circuit Breakers, 20 AMP, 1-Pole
Fuses, 5 AMP
Fuses, 10 AMP
PVC Wire Duct, White, 1"W x 4"H W/Cover
PVC Wire Duct, White, 1 ½"W x 4"H W/Cover



DeltaV Components Provided to Fabricator by Local Sales Office	
DESCRIPTION	QTY
2-Wide Power / Controller Carrier (VE3051C0)	1
System Power Supply (AC/DC) (VE5001)	1
8-Wide I/O Interface Carrier with Shield Bar (VE4050S2K1C0)	1
8-Wide I/O Interface Carrier with Shield Bar and Ext. Cable (VE4050S2K1C1)	As req'd
Power Supply, bulk AC to 24 VDC. (VE5011)	1

Drawings Provided with Panel

Drawing Description
DeltaV™ Cabinet Layout with Bill of Materials
DeltaV™ Cabinet 120VAC Power Distribution
DeltaV™ Cabinet 24VDC Power Distribution Simplex/Redundant Power Supplies
DeltaV™ Panel Power and Grounding
DeltaV™ Cabinet 24VDC Horizontal Carrier Layout



Ordering Information

ITEM	DESCRIPTION
PNL403212-1S	1 Carrier Panel Simplex (Up to 8 Cards)
PNL403212-2S	2 Carrier Panel Simplex (Up to 16 Cards)
PNL403212-1SL	1 Carrier Panel Simplex (Up to 8 Cards) w/Panel Light
PNL403212-1SF	1 Carrier Panel Simplex (Up to 8 Cards) w/Panel Fan
PNL403212-1SLF	1 Carrier Panel Simplex (Up to 8 Cards) w/Panel Light and Fan
PNL403212-2SL	2 Carrier Panel Simplex (Up to 16 Cards) w/Panel Light
PNL403212-2SF	2 Carrier Panel Simplex (Up to 16 Cards) w/Panel Fan
PNL403212-2SLF	2 Carrier Panel Simplex (Up to 16 Cards) w/Panel Light and Fan

Model Numbers

PNL403212-abcd

12 = panel height, 34 = panel width, 56 = panel depth

a = # of 8-wide carriers

b = simplex(S)

c = light(L), Fan(F)



Options

Refer to the DeltaV Cabinet Customization services data sheet for additional services.

To locate a sales office near you, visit our website at: www.EasyDeltaV.com/reach or if you have questions regarding cabinetry or additional services, e-mail us at Panels@EmersonProcess.com

For further information contact Emerson Process Management at 314-872-8623

To locate a sales office near you, visit our website at: www.EasyDeltaV.com/reach

...or call us at:

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Europe, Middle East:	41.41.768.6111
North America, Latin America:	+1 800.833.8314 or +1 512.832.3774

For large power, water, and wastewater applications contact Power and Water Solutions at:

www.emersonprocess-powerwater.com

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