DeltaV Professional Batch

Product Description

The DeltaV Professional Batch software suite delivers production scheduling and campaign execution that is flexible enough to adjust to changing production requirements and plant operating conditions. Tight integration among the applications in this suite of products makes it easy to create and execute campaigns, while automatically getting comprehensive history collection. This suite contains the Batch Executive, Batch Historian, Soft Phase Server, Campaign Manager, Recipe Exchange and Batch Analytics products.

- **Batch Executive.** This is the batch engine that executes and schedules your recipes and resources.
- **Batch Historian.** Automatically collects and displays recipe execution data from the DeltaV Batch Executive and process management event data from the DeltaV Event Chronicle.
- **Soft Phase Server.** Allows PC-based phases to be executed by the Batch Executive as part of a standard DeltaV recipe.
- **Campaign Manager.** Create and manage a campaign by specifying the recipe, formula, equipment, and number of batches to be run within the campaign. To initiate the creation of campaigns in the DeltaV system from production scheduling packages, a Service-Oriented Architecture web service is provided. Users can develop application to interact with the Campaign Manager Executive or use the Campaign Manager Operator Interface provided out of the box from Emerson.
    - The Campaign Manager Service-Oriented Architecture Web Service is compatible with DeltaV v10.3 and later, when one or more Campaign Managers are enabled. The original Campaign Manager Web Service is not compatible with DeltaV v10.3 or later running on the Microsoft Vista, Windows 7 or Server 2008 platforms.
- **Recipe Exchange.** Provides an open, programmatic interface to the DeltaV recipe management system for the import and export of recipes. A Service-Oriented Architecture web service is included to enable easy integration of DeltaV recipes with enterprise applications, including the ability to create, import/export and assign recipes and initiate downloads.
    - The Recipe Exchange Service-Oriented Architecture Web Service is compatible with DeltaV v10.3 and later.
- **Batch Analytics.** Detects faults and predicts end of batch quality *in real time* using multi-variate models based on historical batch data.

Please refer to the Batch Executive, Batch Historian, Recipe Exchange, Campaign Manager and Batch Analytics product data sheets for details on the software packages. Consult the factory for details on the Soft Phase Server software.

Ordering Information

Description	Model Number		
	pre-v9.3	v9.3 through v11.3	V12.3 and later
DeltaV Professional Batch	VE2236Sxxxxx	VE2240Sxxxxx	VE2249Syyyyy
Additional Capacity	VE22UPS024 for 250 DST VE22UPS025 for 1000 DST VE22UPS026 for 5000 DST	VE22UPS055 for 250 DST VE22UPS056 for 1000 DST VE22UPS057 for 5000 DST	VE22UPS072 for 1 Units VE22UPS073 for 5 Units VE22UPS074 for 10 Units VE22UPS075 for 20 Units VE22UPS076 for 50 Units VE22UPS077 for 300 to >300 Units

Where xxxxx is equal to the total number of batch DSTs in the system. xxxxx is available from 250 to 30,000 DSTs in 250-DST increments.

Where yyyyy is equal to the total number of class-based unit modules configured under Process Cells in the system. yyyyy is available in quantities of 2, 5, 10, 20, 30, 50, 75, 100, 150, 300, and >300 Units

Related Products

- **Advanced Unit Management Software.** Provides class-based Unit Modules and aliasing to make developing unit-relative equipment strategies simple.
- **Batch Redundancy.** Enables redundant DeltaV Batch capabilities for the Batch Executive and Campaign Manager, including automatic switchover to protect your batch operations from disruptions.
- **Configuration Audit Trail.** A powerful tool that tracks changes and manages revision information for any item in the DeltaV configuration database, including Safety Instrumented System (SIS) items.
- **DeltaV Operate.** High performance operator graphics, trends and alarms offered in standard operating layouts and utilizing system-wide built-in security.
- **DeltaV Operate for Batch.** Batch Controls allow you to operate your batches from the same DeltaV Operate environment used to monitor and control your process.
- **Recipe Studio.** Powerful yet simple to use application for graphically configuring recipes (with formulas) for successful batch production.
- **Syncade™ Smart Operations Management Suite.** A new class of real-time production management software, provides an easy, flexible, integrated solution that increases plant performance by efficiently managing plant materials and equipment, coordinating production operations, improving quality operations and integrating plant information.

Prerequisites

- One ProfessionalPLUS Station in a DeltaV system.
- DeltaV controller with Advanced Unit Management software license. Refer to the Advanced Unit Management Software product data sheet.
- Batch Operator Interface (for versions prior to v9.3). Refer to the Batch Operator Interface product data sheet.
- In v12.x, the DeltaV Batch Historian uses Microsoft SQL Server 2012 and requires a DeltaV Application Station running the Windows Server 2008 operating system. Since the Windows Server 2008 operating system requires a Dell server class computer, the use of the Batch Historian requires a server class computer.
- Optimal performance is achieved by running the Batch Executive, Batch Historian and Campaign Manager on separate DeltaV Application Stations. This is recommended, particularly in critical applications.
- A variety of hardware is available to meet your specific requirements. Call your local sales office for details.

To locate a sales office near you, visit our website at:
www.EmersonProcess.com/DeltaV
Or call us at:
Asia Pacific: 65.6777.8211
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
Or call us at:
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Europe, Middle East, Africa: 48.22.630.2443
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