Operate your automation system at the DeltaV Operator Station.

- State-of-the-art operator interface
- Real-time and historical-trend display
- Continuous history collection

**Introduction**

Do you want to operate your process control system with a user-friendly interface, state-of-the-art graphics, real-time and historical trending capabilities, process alarms prioritized by the user, and system-wide, built-in security?

Run your process control system using the DeltaV Operator Station. An Operator Station is made up of the Operator Station Software Suite and the DeltaV hardware to run it. Take advantage of single-click access to graphics, directories, and other applications.

You get the most for your investment with the DeltaV Operator Station. This additional station provides full operations capability for your DeltaV system. If you are looking for an easy-to-use, plant-aware, scalable operator workstation for your process control system, then the DeltaV Operator Station is for you. The DeltaV Operator Station can be either remotely or directly connected to your DeltaV system.

**Benefits**

**State-of-the-art operator interface.** DeltaV Operate provides a powerful environment for process operation, with built-in features for easy information access. Whether you are viewing the highest-priority alarm, the next display, or detailed module information, common operator navigation is consistent and intuitive. Standard faceplates and detail displays provide a consistent operating philosophy for all modules.

Alarm prioritization, presentation and management focuses the operator on the most important alarms. The alarm banner provides constant visibility and access to the highest-priority alarms.
Built-in, reliable features such as prioritized alarms and user security increase usability. Easily customize the standard operating desktop to fit your specific operational philosophies and work preferences.

Real-time and historical trends. Easily monitor your process over time. Track today, yesterday, or a year ago by simply scrolling forward or backward with History View. Real-time and historical data are combined into a single view.

You can combine continuous and event data on a single screen to see when and how an event affects continuous data.

The included Continuous Historian can collect history locally on this workstation. You can have additional Continuous Historians on other workstations. You can view continuous, event, or batch historical data, regardless of the DeltaV workstation collecting the data. This allows you to centralize or decentralize your historical collection.

Security and Span of Control. Individual users can have specific privileges that determine which functions (e.g., operate and tune) they are allowed to perform and which parameters they are allowed to change. These user privileges can have a defined span of control, enabling the privileges to be tailored to certain plant areas.

Each Operator Station can be limited to certain plant areas for viewing and operating. This security feature can be defined for an individual station, as well as for specific users. Use the DeltaV exclusive Flexlock to ensure that operators remain dedicated to monitoring, troubleshooting, and maintaining the process according to plant operating philosophies.

Prebuilt graphics and a library of faceplates and dynamos facilitate a quick start.
**Product Description and Specification**

Powerful operator applications allow you to easily interface with the process, manage process alarms, view events, and graphically chart historical trends. The DeltaV Operator Station provides the complete ability to operate, whether accessing the DeltaV system remotely or directly connected.

The high-performance Operator Station Software Suite was developed following the Microsoft paradigm. Standard features such as windows, drag-and-drop, and cut-and-paste enable you to concentrate on process automation—not on the application.

**DeltaV Operate.** State of the art graphics technology, incorporating Active X technology and Visual Basic for Applications (VBA) as the display scripting language. It can run on a DeltaV workstation connected directly or remotely to the DeltaV system.

**Display configuration.** Display configuration for DeltaV Operate is included. Display configuration is intuitive and designed for process control. Display configuration is loaded with pre-defined functionality such as faceplates, trends, alarm summaries and display directories.

**History View Software Suite.** gives you a simple, integrated method of configuring charts and monitoring your operation’s historical and real-time trend data on your DeltaV workstations. History View provides several types of charts to match your viewing requirements.

The Process History View e-Chart provides an integrated view of historical trend information along with the events that occurred on that tag during the same time interval.

History View integrates all of the event and continuous historical information into a single chart.
Plant photographs create intuitive, life-like operator displays

The DeltaV system brings a new level of historian integration to automation history and control. Each control module, the fundamental building block of your control strategy, maintains the historical configuration information for all of its parameters.

When historical information is important for day to day operation, historical charts can be embedded into the operator displays, improving operator productivity by placing the information right where it is needed and eliminates the need to launch separate historical trend charts.

**Flexlock.** Use the exclusive DeltaV Flexlock to ensure that operators remain dedicated to monitoring, troubleshooting, and maintaining the process according to plant operating philosophies. Operators are locked in to their system responsibilities so that nothing can preempt their duties.

**Batch Operation.** With the appropriate system licenses, operators can add and operate batches, as well as view batch status from DeltaV Operate. Operators can also enter comments and answer prompts related to active batches.

When your DeltaV process automation system is up and running, use the Operator Station to monitor, troubleshoot, and maintain your process.
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**Products Included**
The following software applications are included in the Operator Station Software Suite. For detailed information about these applications, please refer to the appropriate product data sheet.

- **DeltaV Operate.** Incorporates Active X technology and Visual Basic for Applications (VBA) as the display scripting language. It can run on a DeltaV workstation connected directly or remotely to the DeltaV system. Also includes full display configuration capability using graphics, text, data, and animation tools.

- **History View Software Suite.** Monitor your plant’s historical and real-time data with these powerful trend-plotting applications.

- **Continuous Historian.** Captures 250 analog, discrete, and data parameters and their status and stores them for future analysis.

- **Continuous Historian Excel Add-in.** Accesses any historical data and brings it into your copy of Microsoft Excel for improved analysis and reporting.

- **Diagnostics.** Instantaneously checks out the health of your DeltaV system

- **Dual Monitor.** DeltaV Operate support of two screens for monitoring your process graphics.

- **Flexlock.** A DeltaV exclusive tool that ensures that operators remain dedicated to monitoring, troubleshooting, and maintaining the process according to plant operating philosophies.

**Products included with appropriate system licenses**
When the appropriate system licenses are included in your DeltaV system, the following applications are provided on the Operator Station.

- **AMS Device Manager Client SC for device status.** Provides the ability to view the status of HART and FOUNDATION fieldbus devices (license from AMS Suite: Intelligent Device Manager required for configuration capability).

- **Batch Operator Interface.** Start, monitor, and operate your batch process

- **DeltaV InSight.** Advanced process monitoring and tuning that instantly identifies under-performing loops and tuning parameters.

- **MPC Operate and MPC OperatePro.** Easily operate multivariable model predictive control strategies executing in DeltaV MPC function blocks.

Up to four monitors increase your operational view with the DeltaV Four-Monitor Workstation option.
Operation-related Products (optional)

- **Control Studio On-Line.** Graphically monitor and troubleshoot running automation strategies.

- **DeltaV Four-Monitor Workstation.** DeltaV Operate support of up to four screens to monitor your process.

- **DeltaV Operate for PROVOX.** PROVOX points integrated into process graphics.

- **DeltaV Operate for RS3.** RS3 blocks integrated into process graphics.

- **DeltaV Remote Access Service.** Remotely locate operator workstations.

- **DeltaV Remote Client.** Locate full function operator capabilities remotely from the DeltaV control Network.

- **Event Chronicle.** Captures events such as alarms and operator changes and stores them.

- **FlexConnect Solutions.** Include additional DeltaV Operate faceplates and detail displays for a variety of legacy control systems.

- **OPC Excel Add-in.** Accesses any online data and brings it into your copy of Excel.

- **OPC History Server.** Exposes all DeltaV historical data using the industry standard OPC Historical Data Access interface.

- **Touchscreen.** Allows you to simply touch the screen to easily manage your process with the intuitive DeltaV Operator Touchscreen interface.

Configuration-related Products (optional)

- **Configuration Studio Suite.** Add full configuration capabilities to the maintenance capabilities.

- **Recipe Studio.** Configures recipes (with formulations) and creates the steps for successful batch production.

Maintenance-related Products (optional)

- **AMS Device Manager Client SC.** Add full configuration of HART and FOUNDATION fieldbus devices (license from AMS Suite: Intelligent Device Manager required for configuration capability).

Related DeltaV Products

The following related DeltaV products enhance your system. These may be added to a separate workstation, depending on the workstation type.

- **DeltaV Analyze.** Allows you a view of your alarms and events graphically using the web.

- **DeltaV Web Server.** Allows you a view of your process using the web.

- **OPC Pager.** Keeps a 24-hour eye on your critical values and notifies you when the values meet your alert criteria.

- **PlantWeb Messenger.** Notify personnel or applications with e-mail, pagers or XML on critical events.
Ordering Information

<table>
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<th>Description</th>
<th>Model Number</th>
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<tbody>
<tr>
<td>Operator Station Software Suite</td>
<td>VE2104Sxxxxx</td>
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Where xxxx represents the DeltaV system DST size and xxxx varies from 100 to 30,000 DSTs.

**Prerequisites**

- One ProfessionalPLUS Station is required for each DeltaV system.
- This software suite must be loaded onto a DeltaV workstation. A variety of hardware is available to meet your specific requirements. Please refer to the DeltaV Workstation Hardware product data sheet for details.
- Use of the Continuous Historian or OPC Excel Add-in requires a copy of Microsoft Excel (provided by others).