



Applikon V-Control for R&D

Turnkey Applikon V-Control solution for your lab

- One software platform for process control, process automation and data acquisition
- Minimized scale-up risks with easy technology and data transfer
- Reduced time-to-market and development costs

Applikon V-Control

Applikon V-Control is the scalable DeltaV™ solution for bioreactors in your lab. It harnesses the power of DeltaV in an off-the-shelf configurable system at a reduced price point. Applikon V-Control combines the best of DeltaV automation with Applikon bioprocessing know-how into one platform for process control and data management from discovery to production. Seamless technology transfer and scalable data transfer result in optimal bioprocesses with shorter development lead times and lower development costs.



The Applikon V-Control for R&D is a turnkey solution that includes everything that you need to outfit your Applikon bioreactors with Emerson's DeltaV solution.

The standard package includes 4x 3 L single-use AppliFlex ST or multi-use Bio bioreactors and the computer with Applikon V-Control ready to run. This solution can easily be expanded to 8 or more systems to meet your process development throughput requirements. The Applikon V-Control bundle also includes training and installation by Applikon professionals, so that you are ready to start working with your Applikon V-Control system immediately after installation.

With the Applikon V-Control solution you will benefit from the power of DeltaV Discovery in bench-scale experiments with Applikon bioreactors.

Applikon V-Control is a sole software platform for process control, process automation and data acquisition. It reduces operator training programs and simplifies workflows. V-Control Batch for R&D, based on DeltaV Batch which is used widely in Life Science industries, is also included in this solution. It contains pre-defined phases for common bioprocessing steps, that can easily be used by operators as building blocks to create recipes. These recipes can be used to further automate bioprocesses and to get more control over the processes, even for operators who are new to DeltaV.



The open DeltaV architecture in Applikon V-Control enables easy transfer of DeltaV modules and recipes developed at bench-scale into larger scale.

DeltaV modules and recipes from other laboratory or production sites that are already using DeltaV can be shared. This enables seamless technology transfer between different sites and results in shortened time-to-market and lower drug development costs. The open architecture also allows users to modify the existing Applikon V-Control library to optimize it for their specific process and it is also possible to add and modify phases for DeltaV Batch. Getinge provides Applikon V-Control from research laboratories up to pilot and production scale.

The turnkey package is predefined with components highlighted to the right. As our Applikon bioreactor systems are highly configurable, you can easily add additional options. Contact your local Getinge representative to request a tailor-made Applikon V-Control system configuration to fit your demands.

Applikon V-Control for R&D includes:

- Applikon V-Control base package with DeltaV Discovery including, hardware, software, licenses
- Applikon V-Control Batch for R&D add-on with DeltaV Batch
- Applikon V-Control support including Emerson's Guardian™ support
- 4x 3 L Applikon AppliFlex ST single-use or Applikon Bio multi-use bioreactor
- 4x Applikon my-Control hardware, including:
 - 2 variable speed pumps
 - 3 mass flow controllers for air, O₂ and CO₂
 - 2 gas lines for sparger and overlay
 - pH, DO and temperature sensors
 - Heating blanket
 - Stirrer motor
- All required accessories and start-up kit
- Installation and training

Features:

- Applikon gold-standard single-use or autoclavable bioreactors
- Native open-architecture DeltaV™ software with tailor-made functions for bioprocessing
- User-friendly, alarm-based operator user interface
- DeltaV Batch to support automated recipes
- Easily scalable to V-Control for Pilot & Production



Getinge is a global provider of innovative solutions for operating rooms, intensive care units, sterilization departments and for life science companies and institutions. Based on our firsthand experience and close partnerships with clinical experts, healthcare professionals and medtech specialists, we are improving everyday life for people – today and tomorrow.

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