## SP VirTis AdVantage Pro Software

### **Lyophilizer Data Acquisition and Trending**



#### **Overview**

The SP VirTis Advantage Pro data acquisition and trending software was developed to meet the lyophilization requirements of today's pharmaceutical and biotechnology applications.

Installed on a laptop PC with a Windows® based platform, the Advantage Pro Software interfaces with the Intellitronics™ controller on the Advantage Pro freeze dryer. The software package leverages the GE Proficy® HMI iFIX solution to deliver superior functionality.

#### **Key Features**

- GE Proficy iFix HMI software pre-installed on a laptop PC
- Graphical synoptic display with real-time system status
- Continuous historical data trending
- Quick data export capability, customizable for date/ time range
- Recipe manager with 16 custom recipes
- Semi-automatic and fully automatic modes of operation
- Proficy Historian for secured historical data archiving

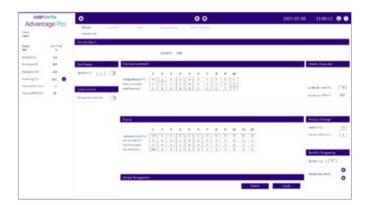
#### **Capabilities**

Up to 12 drying steps	Available
Thermal treatment (freezing) phase	Available
Four product probes	Available
Historical data trending	Available
Integrated performance and vacuum integrity testing	Available
Batch reporting	Not Available
UPS power back up	Not Available
Backfill to setpoint	Available
Stoppering via HMI	Option
Recipe management with 16 recipes	Available
Multi-level security capability	Not Available
21 CFR part 11 compilance with SQL database	Not Available
Ethenet communications	Available



# **Laptop PC Workstation Specifications** (minimum)

- Microsoft® Windows® 10 Professional, 64 bit
- Intel® Core™ i-3 6100 3.7 GHz Processor
- 8 GB RAM
- 500 GB Hard Disk
- 1 Network Interface Cards (NIC)



#### **Available Software Validation**

The SP VirTis AdVantage Pro Software package has full validation ability for regulated pharmaceutical and biotechnology applications. SP offers testing protocols intended to support the processes that will be performed by the purchaser and/or end user, as well as onsite control system IQ/OQ validation support and a comprehensive factory-initiated software validation.

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