



Stefan Hyde
Automation Manager
at Asahi Kasei Bioprocess
America

Stefan received his Master of Science (M.S.) in Mechanical Engineering with a field of study on controls and an Engineering Management Minor from Northwestern University.

He is an engineer in training with the National Council of Examiners for Engineering and Surveying (NCEES).

The automation developed by Asahi Kasei Bioprocess ensures that your high-value biopharmaceutical is dependably filtered batch after batch.

Questions?

Email me at stefan.hyde@ak-bio.com

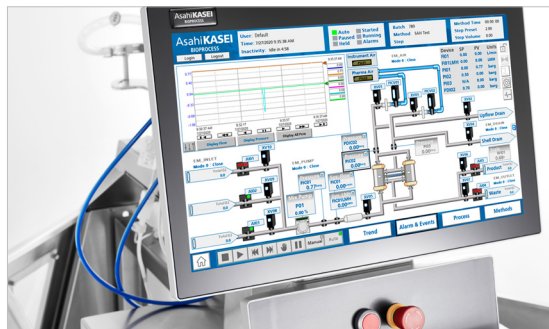


Ocelot System Control for intuitive synchronization into your infrastructure

Virus Filtration Assurance Through Automation

The Planova® Single-Use Virus Filtration Controller (SU-VFC), running on Asahi Kasei Bioprocess' new purpose-built automation software, integrates our filtration expertise into your manufacturing suite at every step of the process.

Our OCELOT™ System Control operates with an HMI that is capable of effectively serving as the user manual for all day-to-day operations. In a kiosk-style, the interface walks the user through system operation, selectively presenting only screen or menu options that apply to the current step in the process – mitigating risk of input error along the way. Tube set installation, recipe configuration and batch execution steps are all offered to the operator with simple interactive prompts and pictures. In addition, descriptions of system options, method step types and expected results are crafted by AKBA engineers to appear at point of use.



powered by **OCELOT**
SYSTEM CONTROL

While there are recommended SOPs for each Planova filter type, AKBA understands that individual operations can be slightly different. The AKBA OCELOT platform embraces this marriage of simplicity derived from standard procedure and adaptability to customer-specific processes. Key standard parameters (i.e. Visual Leakage Test setpoints and durations) are automatically set by the system based on the detected filter type from barcode scanning at batch initiation. Flexible parameters are configured out of the box with defaults

but can be adjusted as needed by the operator for a variety of filtration approaches – controlling for constant flow, constant pressure or even constant flux (automatically scaled depending on the installed filtration area).

Since the development process does not end in the manufacturing suite, the SU-VFC comes ready to support all your key stakeholders. The system is equipped to plug into your IT infrastructure with included support of Active Directory, time synchronization, adaptability to local date and time settings and optional data backups to network folders at the end of each batch. QA teams can support batch release with configurable report templates and exports of process data and audit trails. The SU-VFC also optionally supports remote monitoring or control and redundant collection of data with your DCS or plant-wide historian with “OPC-Ready” functionality.

Asahi Kasei Bioprocess understands consistent, reliable production is of utmost importance our customers and we have built the Planova SU-VFC with precisely that in mind, while still considering the day-to-day realities of system operation. Several risk-mitigating features – including the intuitive and integrative Ocelot System Control – ensure that your high-value biopharmaceutical is dependably filtered batch after batch.