

Pall Corporation introduces proprietary bioreactor control system

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The mPath benchtop bioreactor control system is a first-of-its-kind solution to deliver accurate measurement and control of single-use process development-scale bioprocesses.



Singapore – Pall Corporation, a US based manufacturing company of filtration, separation and purification products and solutions, has recently introduced the mPath bioreactor control system to the biopharmaceutical market. The mPath benchtop bioreactor control system is a first-of-its-kind solution to deliver accurate measurement and control of single-use process development-scale bioprocesses. It will support the Allegro XRS 25 bioreactor, with further expansions planned for the mPath portfolio in 2017 and beyond.

“Throughout the development of the mPath bioreactor control system, our team was focused on simplifying single-use lab-scale bioprocesses with a functional, integrated user experience,” explained Loe Cameron, Director of Analytics and Controls at Pall. “The architecture makes plug-and-play connectivity a reality, while providing access to features of Pall bioreactors that other commercial control options do not allow. Additionally, the mPath bioreactor control system has been designed to support characterization and optimization and is compliant with cGMP regulations.”

An expandable control and data management system includes both bioreactor control towers and an advanced supervisory control and data acquisition (SCADA) software package. The mPath control tower is cleanroom-ready after being IP54 designed and tested, and comes with features such as six (6) mass flow controllers (MFCs) as standard. There are three (3) variable speed pumps for feeds, titrants and media fills, and three (3) biocontainer hangers with integrated load cells to organize and weigh titrants, feeds and media with a minimal footprint. All of this comes at no additional cost to buyers, and there are no limits on the number of systems or users that can run the control software.