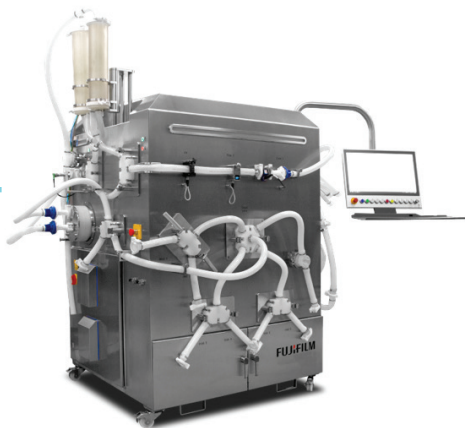


SYMPHON

PURIFICATION SYSTEM

A Fully Automated and Highly Customizable Technology that Solves the Complexities of Bioprocessing



Unlock the power of possibilities with a single piece of equipment capable of running all downstream unit operations across multiple scales

SymphonX is now available in two sizes - For therapies with higher demands, our larger SymphonX provides ultimate flexibility of scaling in fed-batch and continuous processes

Feature	Benefit
Multi-functional controller	• Presents the flexibility to accommodate any downstream process • Provides the agility to respond to fluctuating customer supply needs
Advanced Buffer Management System (use of buffer concentrates and stock solutions)	• Supports concentrates for continuous processes • Improves sustainability through more efficient utilization of buffer consumables
Single, robust, functionally-closed, multi-purpose and multi-use flow path approved for use in GMP ballroom facilities	• Simplify supply chain logistics • Single unified approach lowers risk of contamination control strategy • Efficient utilization of flow path minimizes plastic waste
Highly automated	• Enabling unprecedented delivery (>95% RFT in clinical GMP) • Fully compliant with latest data integrity requirements • Enables continuous and batch processing to provide greater flexibility to production strategies

SymphonX
Integrates into
Our Automated
Continuous
Manufacturing
Platform – MaruX™
bringing our partners
ultimate flexibility
in manufacturing
strategy for scale up
(20K L), scale out (2-
5K L) and continuous
biomanufacturing
(500L to 2K L).

Flow rate		6 – 740 L/h	100 – 3,000 L/h
Unit Operation maximum scale	Column diameter	45 cm	100 cm
	Membrane area	5 m ²	15 m ²
Flow path	Inlets	1x Sample + 7x Buffer	
	Outlets	3	4
	Compliance	X-ray irradiated USP class VI compliant	
	Diameter	12.7 mm	25.4 mm
	Hold up vol	3.6 L	13.4 L
Pressure control	Feed	0.2 – 2.5 bar	
	TMP	0.5 – 2.5 bar	
Buffer make-up	Gradients	5 – 95 % (1 – 3x concentrates)	
	Isocratic	1 – 20x concentrates	
Absorbance (2 mm pathlength)		0 – 1.0 AU 3 wavelengths (200 – 800 nm)	
Conductivity		1 – 200 mS/cm	
pH		3 – 10	
Footprint		0.96 m ²	1.56 m ²



Partners for *Life*

“Partners for Life” represents a transformative approach to development and manufacturing, emphasizing relationships founded on trust and transparency — founded in people-centric values, transformative science and innovation, and unprecedented delivery.

FUJIFILM Biotechnologies

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CDMO
LEADERSHIP
AWARDS 2024



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