



AUXO® V Glass Vessels

Versatile, customizable bioreactor vessels for scalable, efficient, and sterile bioprocessing in diverse laboratory applications

KEY FEATURES

- ✓ Working volumes from 0.5 L to 11.5 L
- ✓ Compact and lightweight design in borosilicate glass
- ✓ Application-based “fit-for-purpose” customization (cell, microbial, plant,..)
- ✓ Standard 15-port headplate with additional customization options
- ✓ Wide selection of optimized impellers, spargers, and ports
- ✓ Fully autoclavable for easy sterilization and reuse

APPLICATIONS

- Cellular agriculture
- Novel ingredients & nutraceuticals
- Biopharma & therapeutic R&D
- Academic and industrial research

AUXO® V bioreactor vessels are available in 1–15L borosilicate glass for multi-use applications, with 316L stainless-steel options available for larger volumes.

Designed for batch and fed-batch processes, these stirred-tank vessels feature an unjacketed design, direct overhead drive, and are autoclavable for easy sterilization and reliable performance. Equipped with Rushton or marine-type impellers, they may support efficient microbial and cell culture growth. A variety of spargers and headplate ports choices allow customization to meet specific process needs. AUXO® V systems offer plug-and-play simplicity, are quick to install, and include application-specific temperature control options.

Engineered for flexibility and efficiency, they are ideal for research labs, pilot-scale operations, and biotech innovators seeking a scalable, high-quality solution for modern bioprocessing challenges.

Glass vessel: technical specs

AVAILABLE MODELS

VE-GL-001	Auxo® V1/V2 2L total vessel volume
VE-GL-002	Auxo® V3 3L total vessel volume
VE-GL-003	Auxo® V7 7L total vessel volume
VE-GL-004	Auxo® V15 15L total vessel volume



	VE-GL-001	VE-GL-002	VE-GL-003	VE-GL-004
Stirred-tank	✓	✓	✓	✓
Dished bottom	✓	✓	✓	✓
Single-wall (unjacketed)	✓	✓	✓	✓
Total volume	2L	3L	7L	15L
Min. working volume	0.5L	0.5L	2L	4.5L
Max. working volume	1.4L	2.4L	5.6L	11.5L
H/D total	2.4	2.4	2.4	1.8
Height incl. condenser	460mm	460mm	600mm	780mm
Inner diameter	105mm	105mm	180mm	222cm
Autoclave space	460x230mm	460x230mm	780x330mm	780x330mm

	Microbial*	Mammalian*
SS head plate (incl. fittings)	15 ports	15 ports
Stirring shaft	✓	✓
Impellers	Rushton	Marine-type
Sparger	Ring sparger	Microsparger (15µm frit)
Sampling/Harvesting line	✓	✓
Exhaust condenser (glass)	✓	
Cooling coil	✓	
Heating blanket	✓	

* Included in the standard configuration