

Borosilicate Glass Vessel Catalog

# Glass Vessels



## Glass vessels for scalable laboratory bioprocessing

Our glass vessel line covers 1, 2, 5, and 10 L volumes, available in jacketed and non-jacketed configurations, to support a wide range of laboratory bioprocesses. These vessels are suited for early-stage research, process development, and scale-up studies, offering consistent geometry across sizes to simplify method transfer. The non-jacketed versions provide a practical solution for standard applications or laboratories with external temperature control, while the jacketed vessels enable precise thermal regulation when tighter process control is required.

*Non-jacketed borosilicate glass vessel line.*



## Scale smarter with flexible vessels

Designed with flexibility in mind, our vessel range is ideal not only for new setups but also for system upgrades and capacity expansions. Labs can easily add or replace vessels to adapt existing equipment to new cell lines, microbial processes, or operating volumes without changing the entire system. Supports incremental investment, extends the useful life of installed equipment, and allows teams to respond quickly to evolving process needs while maintaining reliable performance.

*Double-wall (jacketed) borosilicate glass vessel line.*



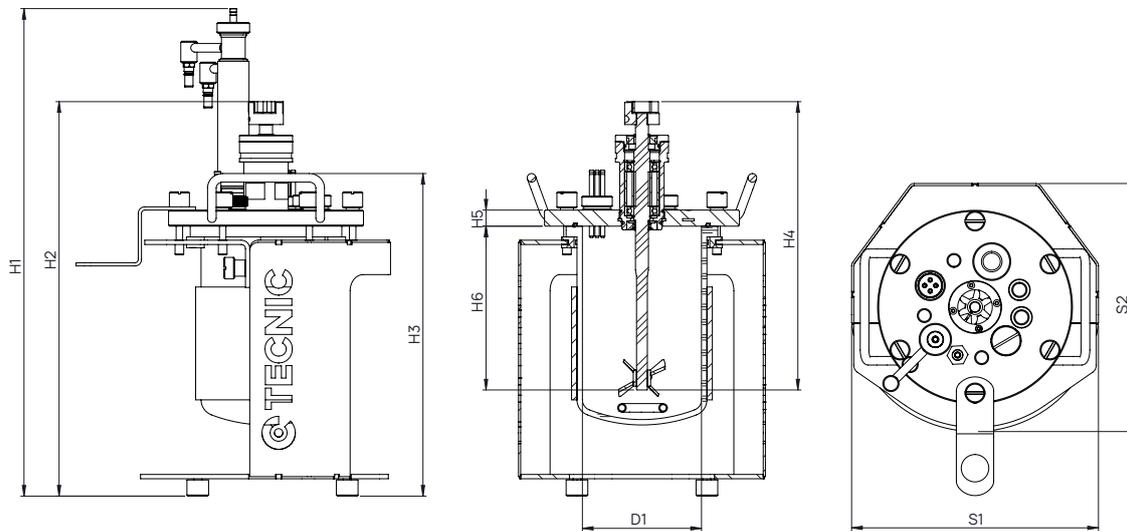
# Technical Specifications

	Non-Jacketed Glass				Jacketed Glass			
Volume	1 L	2 L	5 L	10 L	1 L	2 L	5 L	10 L
Materials	Borosilicate glass, stainless steel AISI 304 and AISI 316L, EPDM FDA							
Weight including accessories	9 kg 20 lbs	10 kg 22 lbs	15 kg 33 lbs	28 kg 62 lbs	10 kg 22 lbs	12 kg 26,5 lbs	17 kg 37,5 lbs	31 kg 68,5 lbs
	Top ports				Top ports			
ø11	4	6	7	7	4	6	7	7
Pg 13	2	3	3	3	2	3	3	3
M33×1	1	1	1	1	1	1	1	1
M26×1	3	3	3	3	3	3	3	3
ø13	0	1	1	1	0	1	1	1

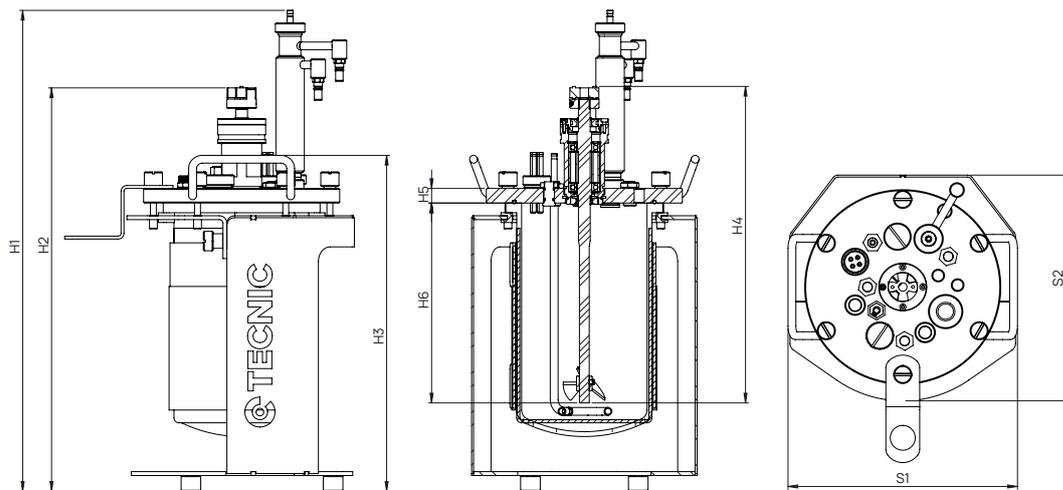
## Dimensions

		Non-Jacketed Glass				Jacketed Glass			
		1 L	2 L	5 L	10 L	1 L	2 L	5 L	10 L
Position	Unit	Value	Value	Value	Value	Value	Value	Value	Value
D1	mm	110	128	158	211	110	128	158	211
H1	mm	454	494	604	705	454	494	604	705
H2	mm	367	415	517	618	367	414	517	618
H3	mm	300	345	450	551	300	345	450	551
H4	mm	268	324	428	511	268	323	428	511
H5	mm	15	15	15	15	15	15	15	15
H6	mm	152	205	312	296	152	205	312	396
S1	mm	228	234	280	360	228	234	280	360
S2	mm	231	232	260	347	231	232	260	347

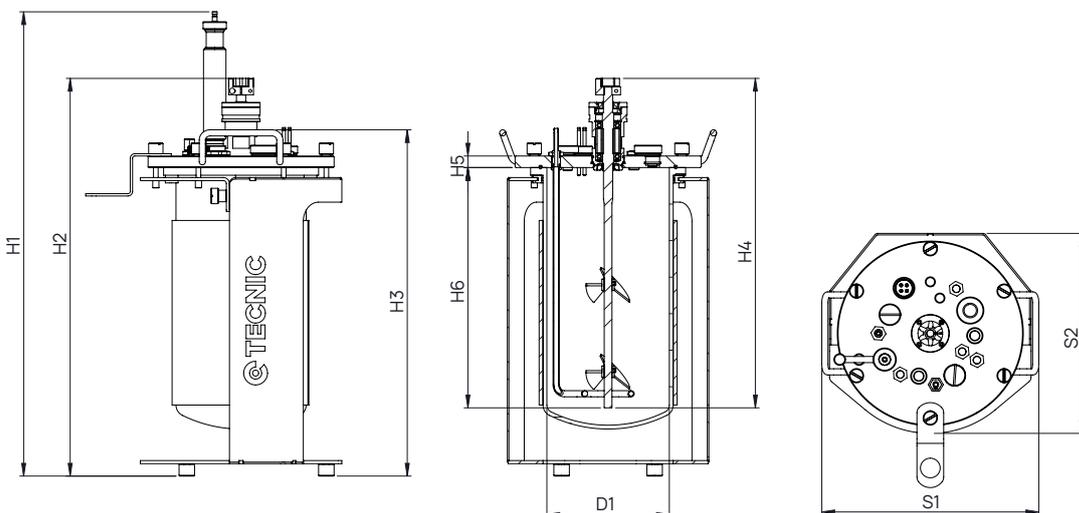
1 L Borosilicate glass (Non-Jacketed)



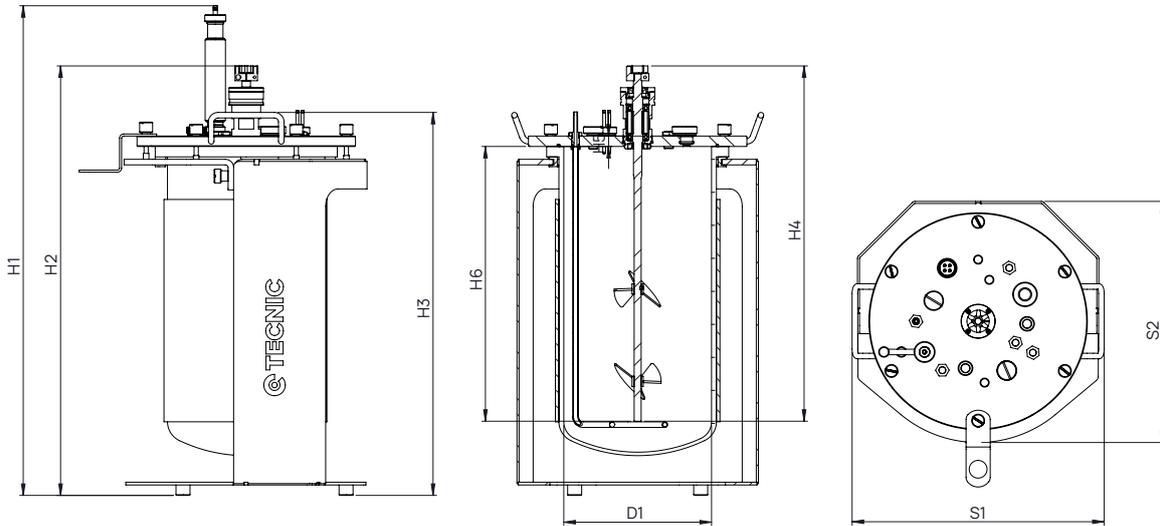
2 L Borosilicate glass (Non-Jacketed)



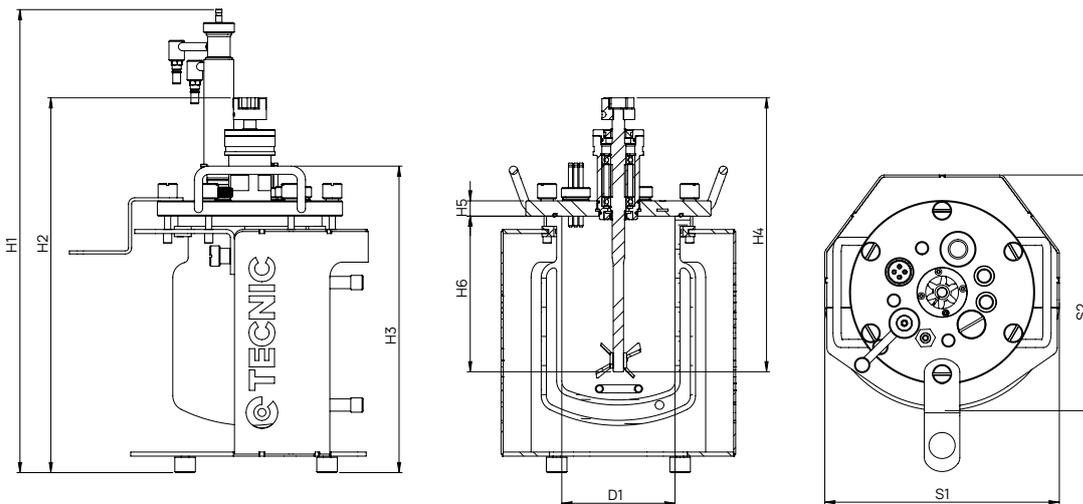
5 L Borosilicate glass (Non-Jacketed)



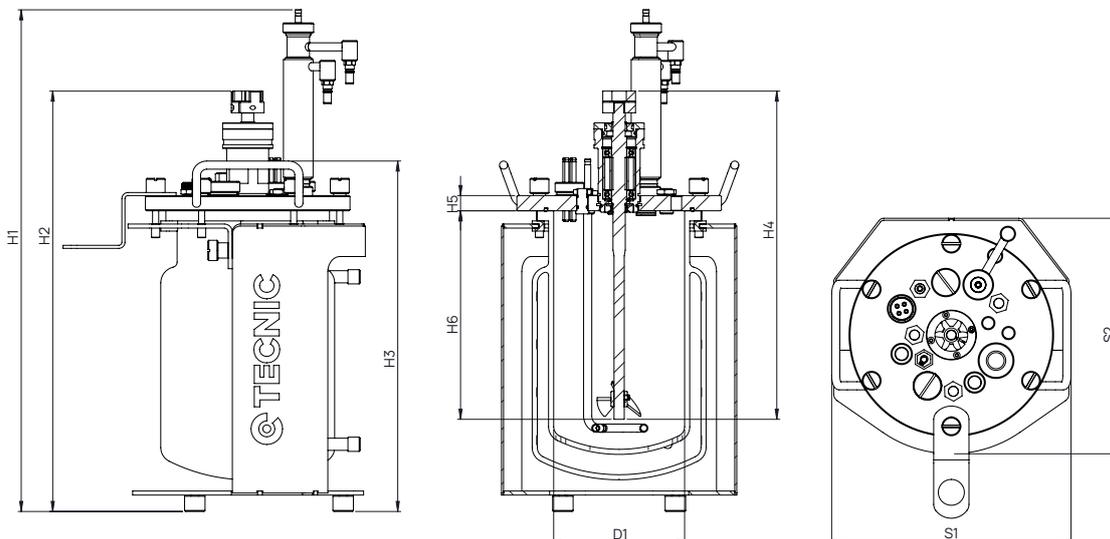
10 L Borosilicate glass (Non-Jacketed)



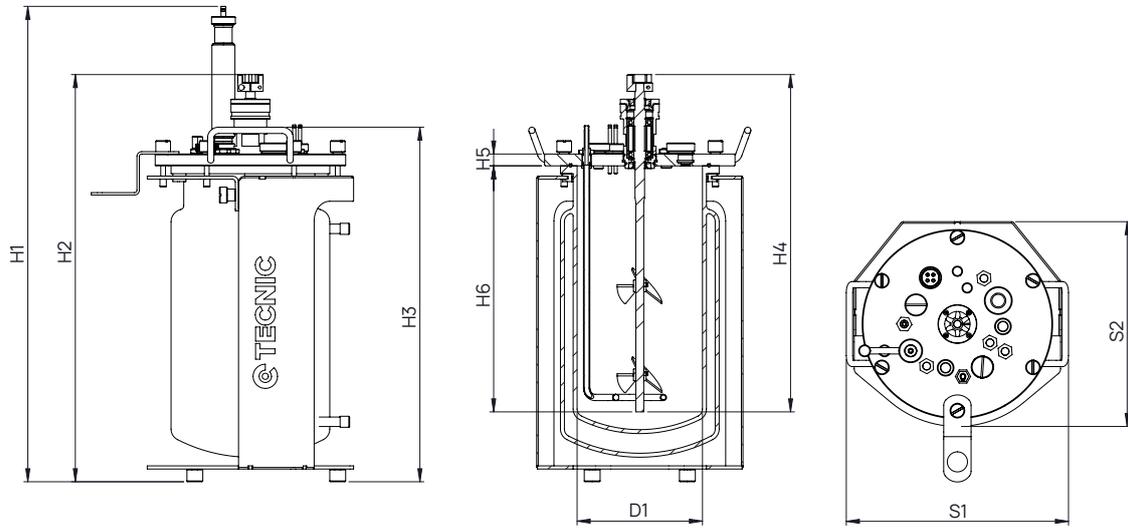
1 L Borosilicate glass (Jacketed)



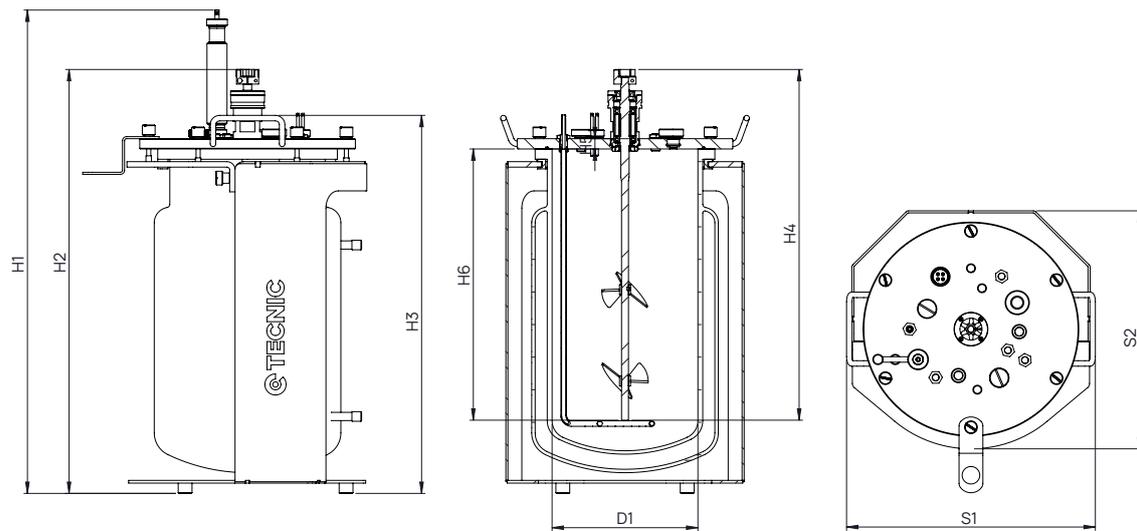
2 L Borosilicate glass (Jacketed)



5 L Borosilicate glass (Jacketed)



10 L Borosilicate glass (Jacketed)



## Autoclaving Dimensions

		Non-Jacketed Glass				Jacketed Glass			
		1 L	2 L	5 L	10 L	1 L	2 L	5 L	10 L
Unit		Value	Value	Value	Value	Value	Value	Value	Value
<b>Space requirement in the autoclave with the condenser</b>									
Diameter	mm	232	252	295	372	232	252	295	372
Height	mm	388	439	543	648	408	464	573	675
<b>Space requirement in the autoclave without the condenser</b>									
Diameter	mm	232	252	295	372	232	252	295	372
Height	mm	301	360	456	561	321	383	486	600

