

Technical specifications				
Vessel	1 L	3 L	5 L	10 L
Volume	2.5 L	5 L	7.5 L	14 L
Working volume	0.6 - 1.9 L	1.3 - 3.8 L L	1.9 - 5.6 L	3.5 - 10.5 L
Material	Borosilicate Glass, 316 L Stainless Steel EPDM O-rings			
Agitation				
Drive	Overhead Direct or Magnetic Drive			
Agitation speed ranges	25 - 1200 rpm (Direct Drive) 25 - 500 rpm (Magnetic Drive)			
Impellers	2 x Rushton, 1 x Pitched, 1x Marine, Spin Filter, Cell Lift, or Packed-bed			
Gassing				
Gas Supply	Overlay and/or Sparger			
Sparger Type	Ring or Microsparger			
Monitoring and Control				
Temperature control				
T sensor	Pt100 RTD			
Exhaust condensation	Water Cooled			
Recommended sensor lengths				
pH ¹⁾	200 mm	225 mm	225 mm	325 mm
pH (packed-bed)	200 mm	200 mm	200 mm	225 mm
DO ¹⁾	220 mm	220 mm	320 mm	320 mm
DO (packed-bed)	120 mm	120 mm	220 mm	220 mm
Redox ¹⁾	200 mm	200 mm	200 mm	325 mm
CO ₂ ¹⁾	220 mm	220 mm	320 mm	320 mm
Headplate port				
6 mm	1	3	3	3
Pg 13.5 ports	9	10	12	12
19 mm	0	1	1	1
Total	10	14	16	16
Autoclave Dimensions (with exhaust condensor)				
Stainless Steel Dish Bottom				
Diameter outer	19.9 cm (7.8 in)	22.9 cm (9.0 in)	25.6 cm (10.1 in)	29.3 cm (11.5 in)
Height	64.2 cm (25.3 in)	70.4 cm (27.7 in)	73.6 cm (29.0 in)	79.5 cm (31.3 in)
Water Jacketed Vessels				
Diameter outer	21.6 cm (8.5 in)	23.1 cm (9.1 in)	27.7 cm (10.9 in)	32.3 cm (12.7 in)
Height	68.1 cm (26.8 in)	74.7 cm (29.4 in)	78.1 cm (30.7 in)	84.8 cm (33.4 in)

¹⁾ Requires 12 mm compression fitting (M1287-5030)