

Technical Data

Reactor	Cell Growth
Volume [l]	5
Type	double wall
Multi use	yes
Autoclavable	yes
Inner diameter [mm]	160
Ratio = height / inner diameter	2.31
Useable volume min. [l]	1.0
Useable volume max. [l]	6.7
Reactor vessel material	borosilicate glass
Reactor lid material	stainless steel 1.4404
Net weight reactor vessel [kg]	4.73
Net weight reactor assembled [kg]	15.66
Number lid ports	15
Lid ports (Baffle)	1
Lid ports (pH)	1
Lid ports (Reserve)	4
Lid ports (Condenser)	1
Lid ports (Cooling Finger)	1
Lid ports (Inoculation)	1
Lid ports (Harvest Pipe)	1
Lid ports (Sparger)	1
Lid ports (Feed)	0
Lid ports (4in1)	1
Lid ports (Temperature)	1
Lid ports (DO)	1
Lid ports (Level)	1
Material in contact with medium	AISI 316L, borosilicate glass 3.3, silicone USP class VI
Motor coupling	shaft feedthrough
Harvest pipe outer diameter [mm]	6
Harvest pipe inner diameter	4
Harvest pipe design	straight
Harvest pipe, height adjustable	yes
Feeding port, outer diameter [mm]	4.5
Feeding port, inner diameter [mm]	2
Feeding port, amount	4
Inoculation port, outer diameter [mm]	6
Inoculation port, inner diameter [mm]	4
Sparger	Micro sparger
Sparger, outer diameter [mm]	8
Sparger, inner diameter [mm]	6
Sparger pore size [µm]	5
Cooling finger	Accessory
Cooling finger connection thread [mm]	M27x3
Cooling finger water connection, outer diameter [mm]	8
Stirrer design	Centrifugal stirrer, 2-bladed
Stirrer diameter 3 pitchblade [mm]	59
Ratio = stirrer diameter 3 blade / inner diameter reactor	0.37