

3L Microbial Fermentation Bioreactor System, Unjacketed

Agitator Assembly for
Use with

CLS-1399-100
Overhead Stirrer.

Additional Adapters
are available for other
style motors.



18 Port Headplate (4)

Graduated Vessel (1)

Support Stand (2)

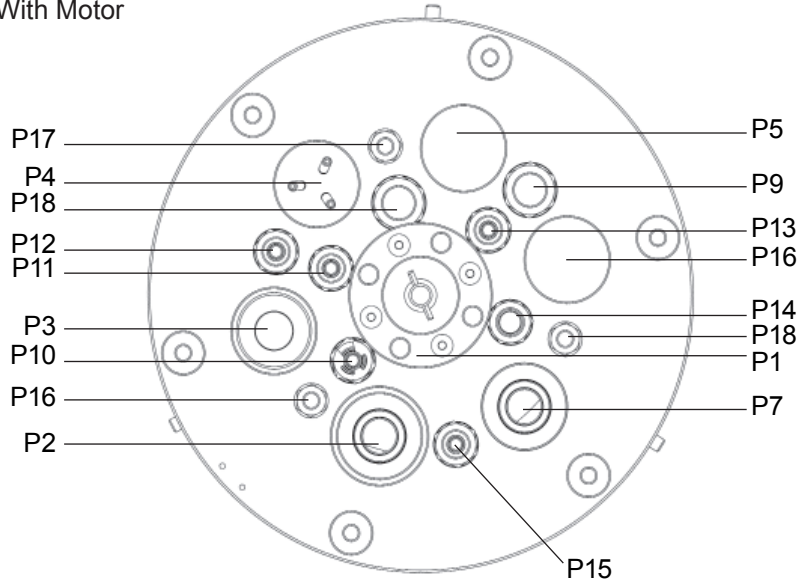
Rushton Impeller (3)



Microbial fermentation bioreactor systems include all the necessary base components needed in one simple package, supplied with or without a motor. By using motor adapters, the system can be retrofitted to work with almost any motor. These systems can be purchased as configured or customized to fit your specific application. For customized solutions please contact singleuse@cglifesciences.com

3L Microbial Fermentation Bioreactor System, Unjacketed

Part Number	Description
CLS-1380-MF3	3L Microbial Fermentation Bioreactor System Complete, Without Motor
CLS-1380-MF3M	3L Microbial Fermentation Bioreactor System Complete, With Motor



Standard Components Supplied with Complete Systems

Item No.	Part No.	Description
1	CLS-1380-01	Bioreactor, 3L, Unjacketed, Graduated
2	CLS-1380-STD3	Support Stand, Complete
3	CLS-1380-08	Rushton Impeller 48mm OD
4	CLS-1380-03	Headplate, 18 Port

Headplate Configuration and Components

Port No.	Part No.	Size	Description
P1	CLS-1380-05	M30	Agitator Assembly
P2	CLS-1381-07	G3/4	pH/DO Adapter, for 12mm Sensor
P3	CLS-1380-10	M18	Septum Holder
P4	CLS-1380-09	M18	Triple Port Adapter
P5	CLS-1380-25	M18	Blind Stopper
P6	CLS-1380-25	M18	Blind Stopper
P7	CLS-1381-06	M18	pH/DO Adapter for 12mm Sensor
P8	CLS-1380-24	M12	Blind Stopper
P9	CLS-1380-24	M12	Blind Stopper
P10	CLS-1380-21	M10	Adjustable Sampling Pipe
P11	CLS-1380-20	M10	Adapter, Air Inlet/Outlet
P12	CLS-1380-12	M10	Porous Sparge Tube, 15 um Frit
P13	CLS-1380-20	M10	Adapter, Air Inlet/Outlet
P14	CLS-1380-11	M10	Thermowell, 200mm Immersion
P15	CLS-1380-32	M10	Harvest Tube
P16	CLS-1381-04	M6	Baffle, 220mm Long
P17	CLS-1381-04	M6	Baffle, 220mm Long
P18	CLS-1381-04	M6	Baffle, 220mm Long

Additional Items Included with CLS-1380-MF3M

Item No.	Part No.	Description
5	CLS-1399-100	Overhead Stirrer and Controller, 120VAC

