

Fermentor Reactor

Our company new developed fermentor reactor is used for various kinds of microbiology fermentation, our equipment adopt the top mechanical agitator system, the speed can be adjustable, and the all parameters can be controllable, like the reactor temperature, pressure, PH data, PO2 data, foam destroyer etc. All the parameters can be recorded, stored and printed from the control panel automatic. So it is excellent stability and convenient operation.

- Technology data specification -

Item	Technology specification
Working volume	5-30000L
material	Contact product is SS316L, non-contact part is SS304
Surface finish	Inside surface is mirror polish Ra: 0.3-0.5um Outside surface is mat polish Ra<0.8um
Working pressure	Inside shell is 0.2MPa; jacket is 0.3MPa
Agitation	-Top mechanical agitator with two layers six blade impeller, one is for foam destroyer, gear motor use SEW brand -Speed is 0-400RPM (adjustable)
Equipment of tank	-Using alcohol flame inoculation -Sterile type sampling valve and bottom flush valve -PH sensor, PO2 sensor, foam sensor, flow meter, temperature sensor, Pressure sensor, level sensor, sight glass, sight light etc
Construction	Fermentation reactor tank with completely pipeline and PLC/HMI control panel

*Above specification just for reference, we can do according to client's URS *

