

## LOW COST AUTOCLAVABLE BENCHTOP FERMENTOR



We manufacture a wide range of benchtop autoclavable fermentors.

Autoclavable fermentors are an economical & user-friendly device for conducting experiments in Biochemical Engineering, Biotechnology, Food & Fermentation Technology, Microbiology & Biochemistry.

They provide freedom from the complicated process operations involved in operating in-situ steam-sterilizable fermentors.

For this reason, they find favour amongst the research fraternity & in academic institutions.

They are used in colleges/institutes for demonstration to students & for practicals in fermentation technology. They find application in research laboratories for the purpose of process development & scale-up.

Salient features of our product are as follows :-

1. Available in 6 sizes – 2, 3, 4, 5, 7 & 10 litres (total volume)
2. Suitable for virtually any fermentation process application
3. Suitable for most microbial cultures regardless of their type (bacteria, yeasts, fungi or actinomycetes), respiration (aerobic or anaerobic), temperature (psychrophilic, mesophilic or thermophilic) or nature (native, genetically modified or recombinant)
4. Suitable for batch, fed-batch & continuous (chemostat) modes of operation
5. Range starts with a basic economical model suitable for colleges/institutions
6. Variety of optional add-on attachments are available for research applications
7. Variety of on-line instruments are available for monitoring of fermentation parameters
8. PC-based process control with SCADA fermentation software available
9. Available in borosilicate glass & stainless steel, or in full stainless steel
10. Magnetic agitator is provided, which is ideally suited for aseptic processes
11. Bioreactor design suitable for facilitating scale-up to commercial levels
12. cGMP-compliant version available
13. No loss of sterility even during long fermentation batches
14. User friendly
15. Easy to operate, clean, & store
16. Light-weight & compact
17. Low noise & vibrations
18. Low power consumption; works on single phase power
19. Low maintenance downtime & cost

*Manufactured in India by :-*

### NAVIN PROCESS SYSTEMS

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