



SCIGENICS BIOFERM - LA

Versatile autocapable baby fermenter, expandable from an inexpensive, simple unit for demonstration / basic experiments at school level to research purposes with comprehensive controls.

Features

- Single wall glass with stainless steel end caps
- Non-welded head plate construction
- Cartridge heater & water circulation loop for effective temperature control
- Capacity range: 3L and 5L, interchangeable with same end caps
- Easy to dismantle / load onto autoclave facility
- Easy to remove - self aligning motor
- Motor drive with Tacho feed back
- PLS based measurement & control

SCIGENICS BIOFERM - LS

In-situ sterilisable, stainless steel bioreactors / fermenters. They are efficient, cute little equipment, semi automatic, capable of catering to extremely demanding research needs.

Features

- Jacketed stainless steel vessel with fine internal surface finish
- Sight glass for viewing maximum and minimum working volume
- Capacity Range: 3L, 5L, 7L, 10L & 14L
- Provision for hot / chilled water circulation for temperature maintenance
- Powerful illumination for clear view of the contents
- Superior design for optimal heat and mass transfer

SCIGENICS BIOFERM - IM

(INDUSTRIAL FERMENTER)

Range: 20 Lts. - 10 Kls. & above

All general features characteristic of SCIGENICS BIOFERM are incorporated and in addition, customized to suit specific requirements. The complete system is skid mounted - vessel with pipe rack & panel.

PACKAGED SYSTEM

(upto 20,000 litres)

Customized integrated packages including sterilization / dosing vessels for large production requirements is aspect speciality

- Optimally designed for a bank of fermenters in-place
- In-place sterilisable transfer lines for the complete system
- Common control system with software interface for data acquisition and supervisory control
- Customised working platforms - optional

Optional Features

- Automatic in-place sterilization of the vessel, process piping & filters
- Automated CIP
- Automatic pressure control
- Provision for independent sterilization of inlet & exhaust filter
- Rapture disk made of SS 316L
- Caster wheels to convert the system as mobile fermenter for convenience in cleaning & maintenance



CASSIA

AUTOMATION - THE SOFTWARE SUPPORT

Designed specially for fermentation applications

- Automatic data acquisition
- Monitoring and control of upto 10 bioprocesses simultaneously
- Supervisory control of operating setpoints
- Process parameters are user defined variables
- Simple interfacing with multiple PLCs
- Offline data handing facility
- Optional - validation / compliance

SPECIAL CUSTOMER SERVICE

Fast response time & turn around time

- Customized design services offered for specific process as contract service viz support agreements
- Hands-on user training backed up with literature
- Quality documentation, DQ:IQ:OQ

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