

Techfors

The compact bioreactor for Laboratory, Pilot plant and Production



- ▶ Innovative
- ▶ Adaptable
- ▶ Professional
- ▶ Compact
- ▶ Versatile



A new emphasis on construction

▶ Innovative

Techfors uses new approaches to old problems eg. a fluid cooled motor with no need for a circulation pump for higher speeds and greater reliability.

▶ Adaptable

Techfors covers a range of vessel sizes up to 300 L, with bacterial and cell versions plus great flexibility in configuration choices.

▶ Professional

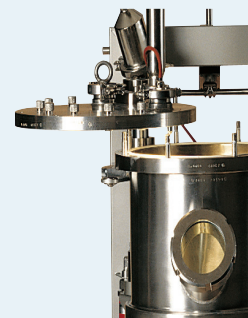
Validation of Techfors is a standard option with compliance to GMP and other industrial standards can be assured as required.

▶ Compact

Techfors is built on an „open ring frame“ which takes up little space and even allows 150 L units to be easily moved from place to place.

▶ Versatile

The range of options and choices is so great that almost any application can be accommodated and includes CIP (clean in place), magnetically-coupled drives and swivel lid for easy access in confined spaces.



Modular Design

The Techfors allows almost any configuration, as for example:

- Bottom or top drive agitation system
- Classic stirrer shaft with mechanical seal or magnetic coupling
- Single or double mechanical seal
- Various types of stirrers and stirrer combinations
- Manual or automatic sterilization of the culture vessels
- Sterilization of the air inlet filter and peripherals
- Exhaust line with membrane or depth filter, heated with steam or electricity
- Heating via heat exchanger or direct injection of steam or hot water into the double jacket
- Combined harvest and sample taking valve as well as a separate valve system „Infors“ or „Nova Septic“
- Membrane valves
- Connections for CIP
- A large range of accessories: spinfilter, gasmix, etc.

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