



# Techfors

The compact bioreactor for laboratory, pilot plant and production



[www.infors-ht.com](http://www.infors-ht.com)

May be subject to technical amendments

INFORS HT

# A new emphasis on instrumentation and construction

## ► Innovative

Techfors uses new approaches to old problems, e.g. a fluid-cooled motor with no need for a circulation pump for a very quiet running of the machine.

## ► Adaptable

Techfors covers a range of vessel sizes up to 750 L (bacterial)/1000L (Cell), with bacterial and cell versions plus great flexibility in configuration choices.

## ► Professional

Validation of Techfors is a standard option, whereas 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 (cleaning in place), magnetically coupled drives and swivel lids 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 sterilisation of the culture vessels
- Sterilisation 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 separate valve systems by INFORS HT or by Nova Septic
- Membrane valves
- Connections for CIP
- A large range of accessories: spin filter, gas mix, etc.

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