



# Minifors

Unpack, Install and Ferment



- ▶ Designed for easy handling
- ▶ Simple Operation
- ▶ Complete Packages
- ▶ Excellent Value
- ▶ Builds Bridges



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May be subject to technical amendments

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# Maximum capability for minimum price

## ▶ Designed for Easy Handling

Minifors is designed to make handling as easy as possible for new users with „plug'n'pump“, the use of a heating block rather than a jacket and an integral frame for carrying all components to the autoclave together.

## ▶ Simple Operation

Setting up the Minifors is made as easy as possible with a control panel that is very similar to that used on our Multitron incubator shakers.

## ▶ Complete Packages

Minifors comes as a package with Cell and Bacterial versions plus two vessel sizes. It can be set up „out of the box“ with the necessary accessories provided.

## ▶ Excellent Value

The price/performance ratio of Minifors is high with a full system being comparable in cost to a large incubator shaker but with the ability to provide more culture in less space.

## ▶ Builds Bridges

Minifors provides the link between shake flasks and larger-scale fermentation by providing the shake flask user with the additional features they need most i.e. volume, sampling, pH measurement/control, oxygen control, the ability to add feed and PC data-logging/control.



### Key technical data

**Dimensions (W x D x H):** 385 x 420 x 655 mm

**Vessels:** 2.5 l and 5.0 l total volume

**Speed range:** 50–1250 min<sup>-1</sup> bacteria version, 30–300 min<sup>-1</sup> cell version

**Temperature range:** up to 60 °C. Electrical heating in dry heating block

**Standard parameters:** Stirrer speed, Temperature, pH, pO<sub>2</sub>, Antifoam/level, Feed, PC Software: Iris

**Additional parameters:** With the optional 2 additional analogue, inputs/outputs, the system can cater for additional parameters if required, such as, Mass-Flow, turbidity, exit gas analysis and additional external analogue pumps

**Infors AG**  
Headoffice, Switzerland

Rittergasse 27  
CH-4103 Bottmingen  
T +41 (0)61 425 77 00  
F +41 (0)61 425 77 01  
info@infors-ht.com

For more information and your local sales office please visit:

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

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