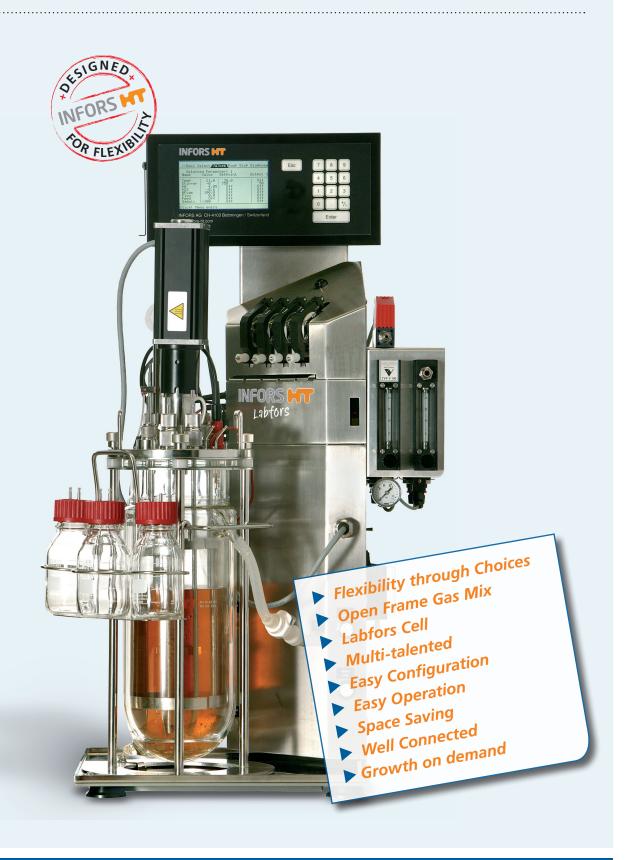
# Labfors 3

The third generation







## A model of flexible design

### Flexibility through choices

Labfors 3 gives the widest possible range of choices for temperature control, vessel sizes, motors, pump configurations and single/multi-fermenter modes of operation.

#### **Open Frame Gas Mix**

Allows for changing needs and the opportunity to have a tailor-made system for gas mixing at each step. Control of gases is achieved by a flexible combination of rotameters, mass flow control valves and magnetic valves.



Made for cultivation of mammalian and insect cells.

#### Multi-Talented

Labfors has special versions such as the Labfors Lux for photosynthesis applications and Labfors Cell for cultivation of mammalian and insect cells.

### **Easy Configuration**

Labfors 3 is able to link with external devices via integral analogue inputs/ outputs plus existing hardware can be re-assigned to other uses without complex re-programming.

#### **Easy Operation**

The X-DDC controller uses tabs and a rotary navigation knob for easy access to all functions. Advanced users can access additional features easily without confusing new users.

#### Space Saving

Up to 13 L total volume on the smallest footprint ever.

#### Well Connected

External measurement and control systems can be connected via integrated connections.

#### Growth on Demand

A single system can be upgraded by the addition of base unit with vessels to make a multi-fermenter with a single operating panel which can be split up, if ever necessary.

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#### **Standard Parameters**

- Stirrer speed
- Temperature
- n02
- Antifoam/level
- MassFlow
- Feed
- GasMix
- Vessel from 0,5 L to 10 L Working volume

Online use of a wide range of external measurement and control including external pumps

**Additional parameters** 

- 4 x Analogue In
- 6 x Analogue Out
- 2 x Digital Out

Balance regulated control of substrate fed by weight can be carried out via Iris-Process-Control

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