Flexibility through Choices
Open Frame Gas Mix
Labfors Cell
Multi-talented
Easy Configuration
Easy Operation
Space Saving
Well Connected
Growth on demand
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.

- **Labfors Cell**
  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 by 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.

### Standard Parameters
- Stirrer speed
- Temperature
- pH
- pO2
- Antifoam/level
- MassFlow
- Feed
- GasMix
- Vessel from 0,5 L to 10 L
- Working volume

### Additional parameters
- Online use of a wide range of external measurement and control including external pumps
- 6 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