FlexyALR

Meets all your Automation Requirements

Your Gain

- Favourably priced
- Simple and intuitive operation, choice of manual and recipe control capabilities
- Allows for integration of existing equipment
- Automatic reports
- Control of up to 6 reactors

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The FlexyConcept

Aim

The FlexyConcept aims at applying a consistent operating philosophy throughout the process development process. Only a functionally flexible and highly refined software will cover applications from process research to pilot plant, as the most varied requirements must be met.

The FlexyALR is based on the FlexyConcept, the same as FlexyLab, FlexyScaleUp, Reaction Calorimetry or Thermal Analyses.

The FlexyALR

The most outstanding feature of the FlexyALR is its modularity down to its individual components. It is primarily suitable to develop systems, which can be built up with capacities from 0.1 l to 100 l.

If it is required to operate a number of reactors with a single PC, the concept will accommodate this, as well as cascading a number of reactors to simulate a complete process flow.

FlexyALR Applications

Applications are most versatile due to its modular design and cover the following areas:

- Process Research
- Process Optimisation
- Scale-up
- Pilot-Plant

Customer Hardware Utilisation

The FlexyALR Concept very often allows the use of already existing hardware. This will not only save costs, but will also speed up the automation process.

Functions of FlexyALR

Standard ALR System

A typical standard system comprises the following functions:

- Gravimetric dosing facilities
- Temperature control of jacket and reactor
- Stirring
- pH Measurement
- Refluxing
- Crystallisation
- Easy Inertisation
- Accurate data recording

ALR Options

A large number of options are available to expand the basic functions:

- Distillation
- Reflux splitter
- pH Control
- Pressure and vacuum control
- Hydrogenation
- Efficient removal of reactants-purging
- Isothermal heatflow calorimetry
- CFR 21 part 11 for Kilo-labs

Additional ALR instruments for:

- Turbidity measurement
- midIR or NIR measurement
- Incorporation of particle size analyses

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