



FlexyLab

improves your efficiency by PPD
(Parallel Process Development)



FlexyLab accelerates and improves the development of your processes. Four parallel, independently operating reactors give you the opportunity to develop the chemical synthesis of your products in a better and faster way at lower cost. Secure your advantage in the market through lower production costs and earlier launching of products.

Your advantages

- High efficiency with a plant-related experimental setup
- High reproducibility (e.g. when applying statistical test series)
- Possibility of operation out of office hours thanks to programmed run-control
- Little need in space
- Cost-optimized solution thanks to modular philosophy
- High functionality with the standard module already
- A minimum of restrictions regarding expansion or integration of complementary technologies

■ Ingeniously Versatile and Compact

Each reactor unit can be operated manually or by parallel, yet individual, automated programmable run-control.

■ Easy and Clean

The two-part reactor system with hermetically separated temper jacket allows very easy handling.

■ Temperature Control

The independent electrical heating allows differences in temperature up to 360 K. Cooling is achieved with water or a cryostat.

■ Dosings

Each reactor can be fed by way of 2 parallel dosings on a gravimetric basis. Scales and pumps are integrated.

■ Control of Mixer Speed

Reactor mixers are controlled individually. Even viscous fluids are mixed easily.

■ Very Easy Handling

Manual operation is possible via screen (input of parameters for control of temperature, dosings, and mixer speed).

Automated operation is enabled via programmable run-control. **FlexyLab** offers an individual programmable run-control for each reactor.

■ Options

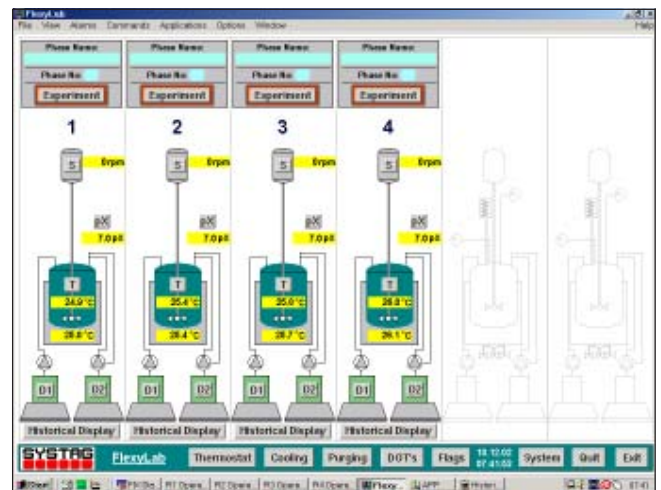
Among others, the following functional extension-kits are available:

- pH measurement and control
- pressure and vacuum control
- automatic distillation
- purging
- measurement of mixer torque
- high-pressure reactors
- gas dosing
- FTIR (Mid-IR or NIR)



Technical details are subject to change without notice

We will be glad to further adapt the system to your individual needs. Please get in touch with us.



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