

The "allview" data capture and recording software allows the user to visualise the progress of the experiment in real time on a PC screen, while also storing all relevant readings in an ASCII or Excel file.

### Online and Flowchart

While the experiment is underway, "allview" generates an x-y chart on the screen, just like a standard plotter output. The real-time chart plots curves for temperature, pressure, stirrer speed, etc. in relation to the duration of the experiment. The standard software is supplied with "Flowchart", which displays in real time all the important readings in a diagram of the high-

pressure autoclave. This component allows the user to track and monitor progress in the system (outside the reaction cavity) directly on the screen.

### Readings

The following readings can be displayed from experiments carried out in the autoclave:

- Internal temperature reading of autoclave in °C
- Internal temperature setting of autoclave in °C
- Shell temperature reading of autoclave in °C
- Shell temperature setting of autoclave in °C
- Heating and cooling output of the heating block
- Stirrer speed in rpm
- Autoclave pressure in bar
- Safety limit /cut-out value in °C

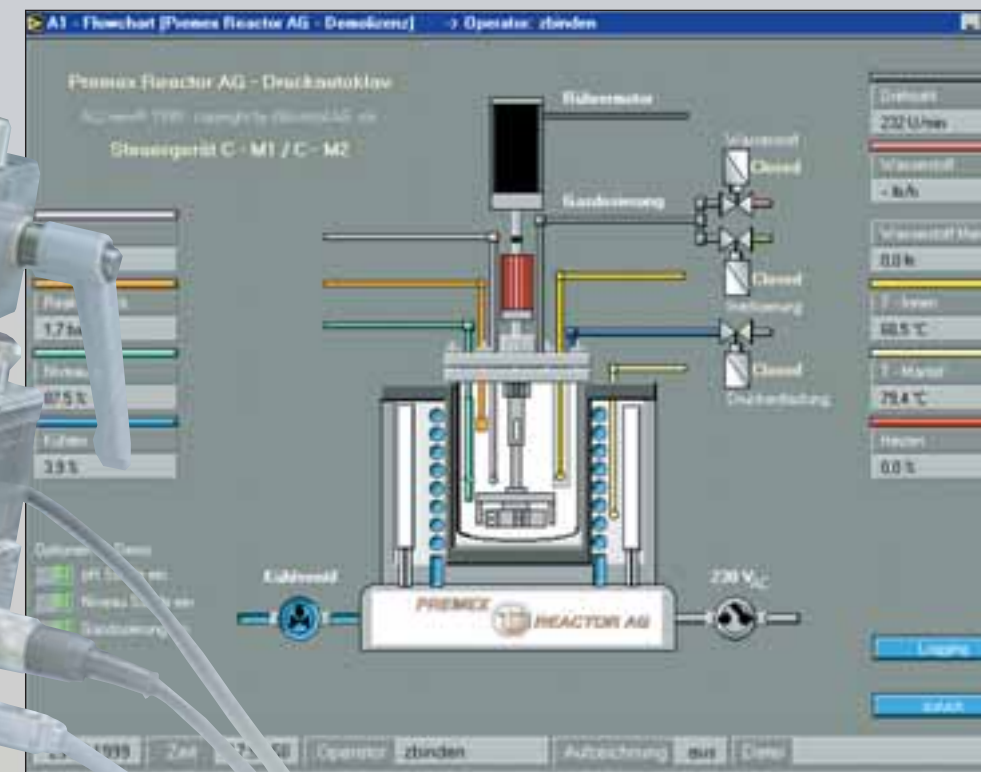
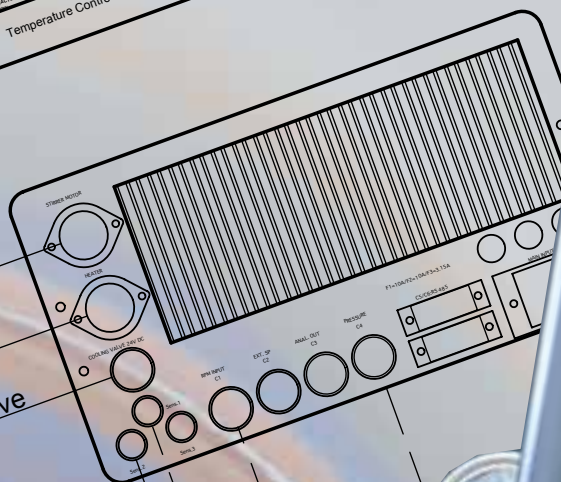
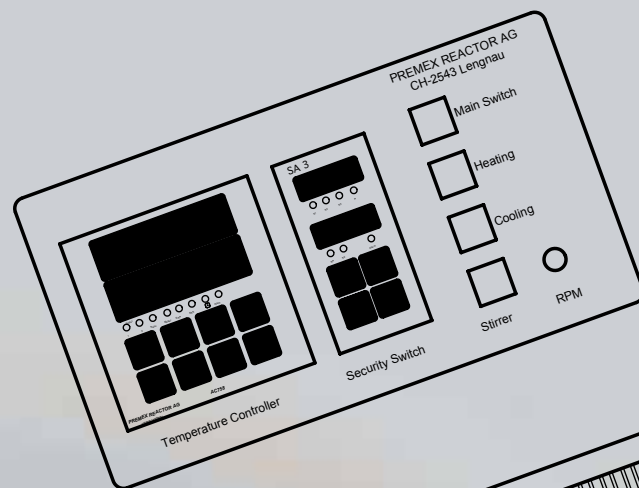
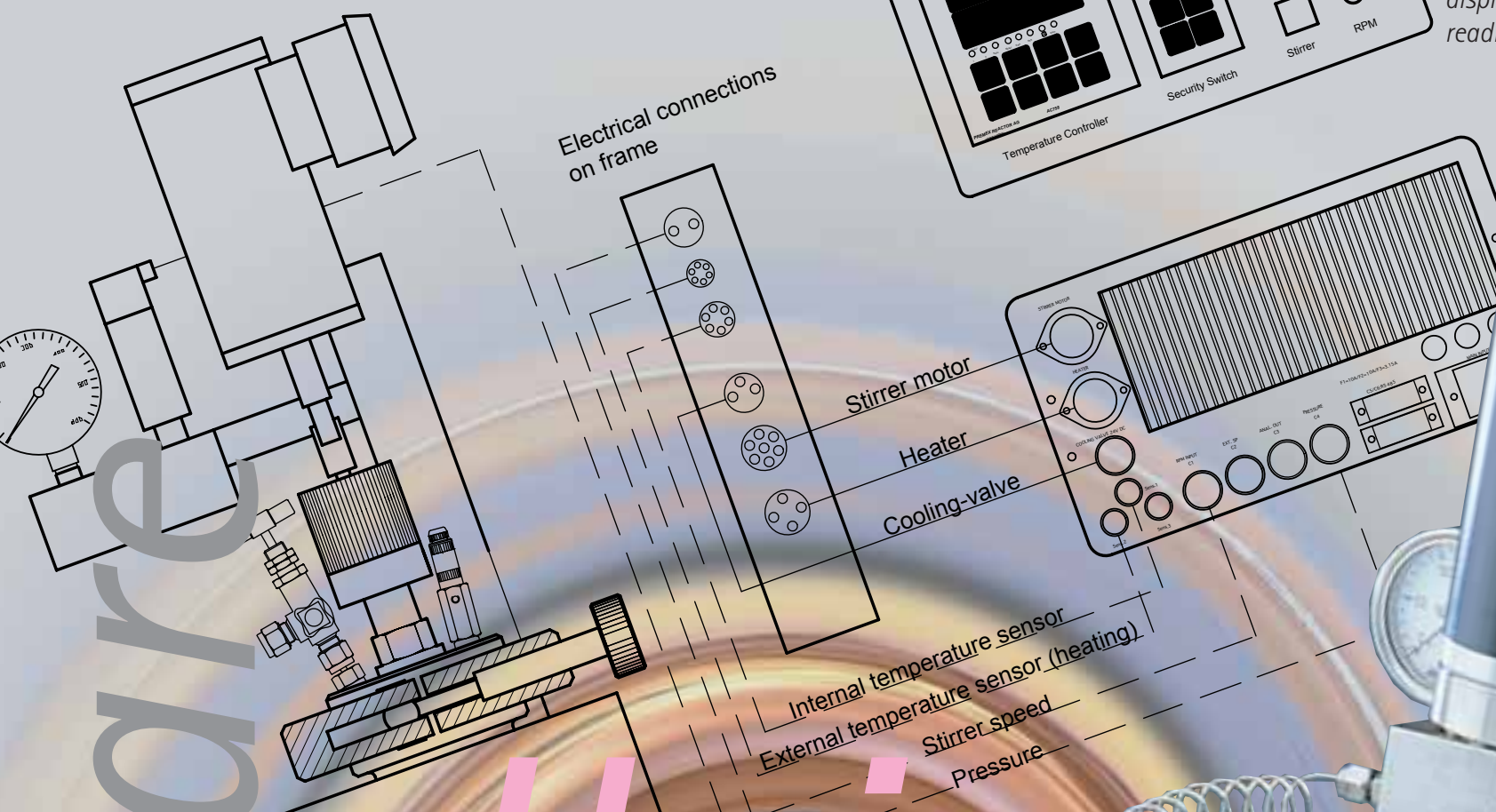
### "allview" interface

The latest release of "allview" requires a Windows interface, i.e. Windows 95, Windows 98 or Windows NT 4.0. Because Windows NT 4.0 is a multitasking environment, a number of applications can be run simultaneously, for example "allview" with Excel or MS Word.

### PC hardware requirements

The main hardware requirements are as follows:

- Pentium processor, 266 MHz or higher
- At least 64 Mb RAM, preferably 128 Mb
- Good graphics board with at least 8Mb RAM
- At least 6 Gb hard disk
- At least 17" screen, with sufficiently high resolution



### Requirements for connecting control unit to PC

To get the application running, the following items are necessary in addition to the PC:

- RS232/RS485 interface converter including dongle, from Premex Reactor AG
- Cable to connect converter to PC
- Cable to connect converter to "c-m2" control unit (standard length 2m)

software  
allview