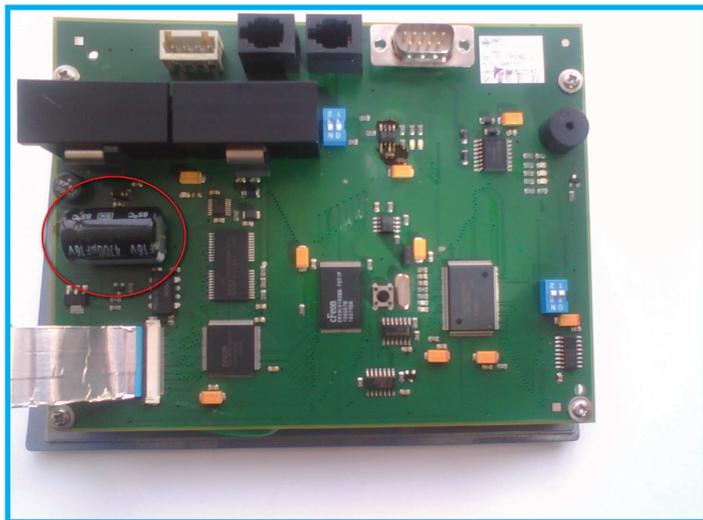


## Faulty Condensers

There was detected poor-quality supply of condensers on electronics boards – the board KON, BACK and Slave. The problem was solved with the manufacturer and repaired as soon as in June 2012. The fault is indicated by poor display imaging, non-functionality of boards, the display blinks – it does not light up, the condensers puff. In case of condensers fault (type for 85 °C – see the figure below) it is necessary to replace them with new condensers – 4700 µF/16 V/ 105 °C (for KON, BACK and Slave), 2200 µF/16 V/105 °C (only for Slave). In case of any problems do not hesitate to contact the service department of the BMT.



## New types of Sterilisation Programs

Based on new requirements of clients regarding specific course of sterilisation programs there were developed even other types of programs for the machines STERIVAP, STERIVAP HP, STERIVAP HP IL.

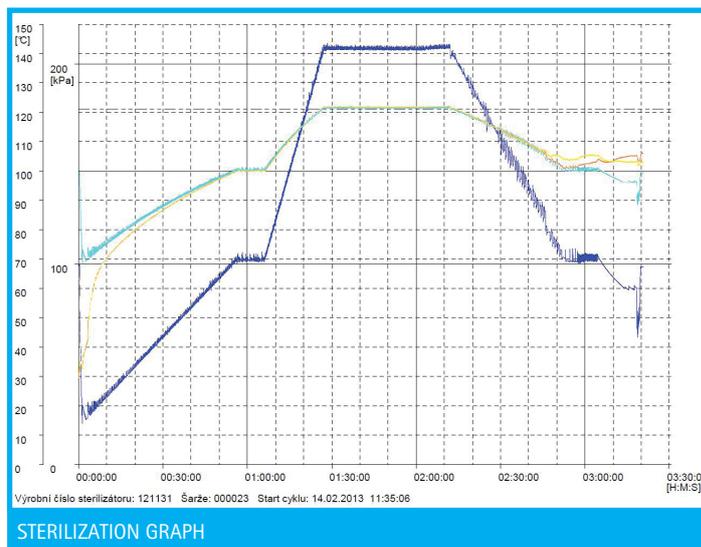
The non-standard requirements towards programs are solved by new templates within the scope of UNICONFIG3 software.

An example may be the template \*.la3, allowing – as well as all the programs for laboratories – free setting of the temperature band above as well as below the nominal sterilisation temperature with required parameters and tolerances.

A program with total length exceeding 3 hours was prepared for one order. A program with defined very low speed of pressure increase after evacuation, controlled delay in the temperature of 100 °C (approximate pressure 101 kPa) and another defined pressure respectively temperature increase up to the sterilisation temperature. After sterilisation exposition of 121 °C/45 min follows a very low controlled decrease. In case of defined decrease it is necessary e.g. for the automatics to support required speed by additional steam injections even in the cooling stage.

There follows another controlled delay on the temperature of approximately 100 °C and the final sequence.

These programs will be used again in other already partially processed orders.



## Pressure Sensors Danfoss and Pumps Reich for CLIMACELL

The pressure sensor by Danfoss is used for pressure regulation in the steam generator. There were some problems with the sensors in the past and we replaced them with a different type which should have eliminated the problems according to recommendations of the supplier – the company Danfoss. The sensors were subject to an expertise in the production plant and it was stated that the membrane of the sensor split. That is

