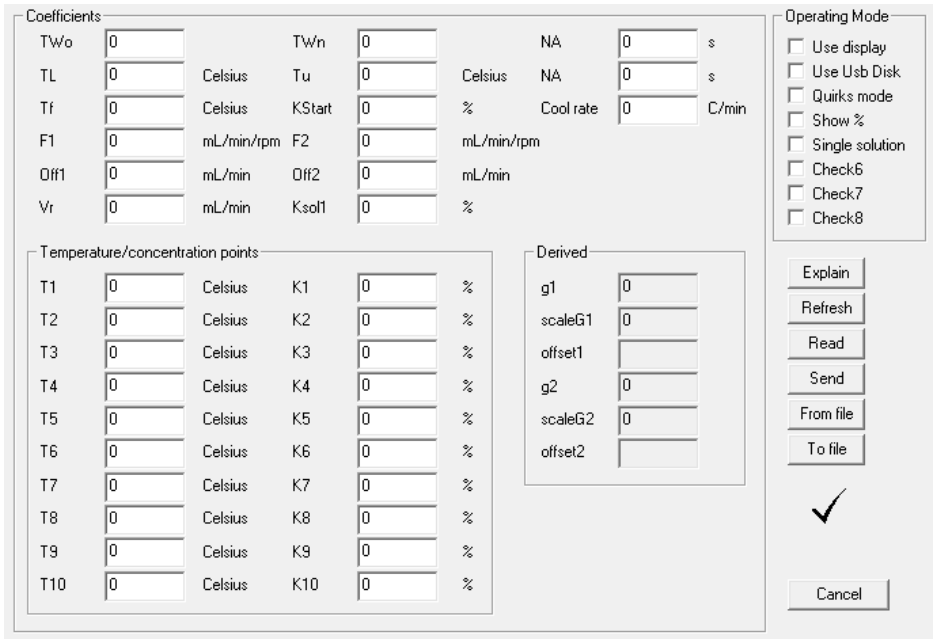
PLANER

Configuration

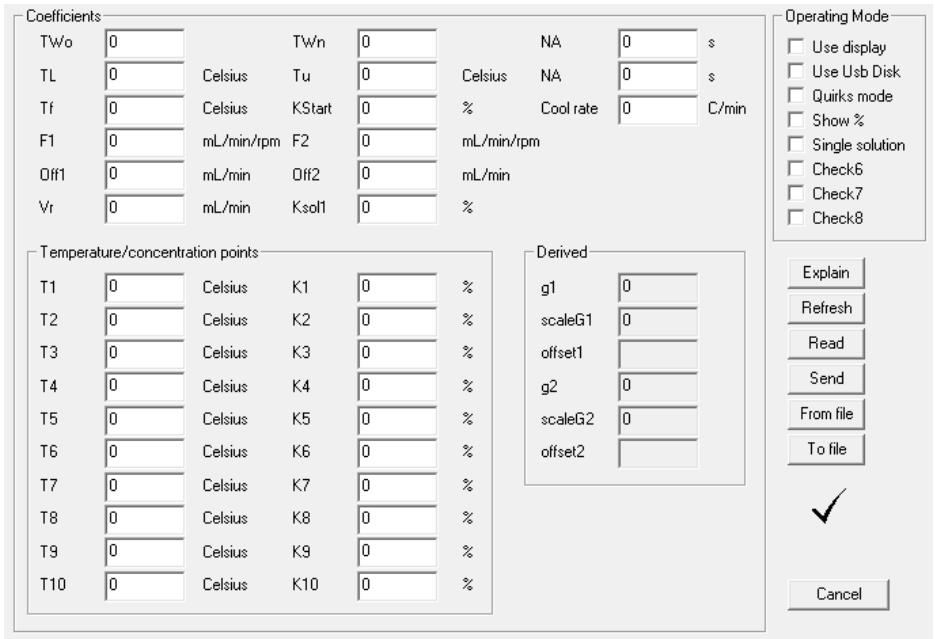
CFGPID

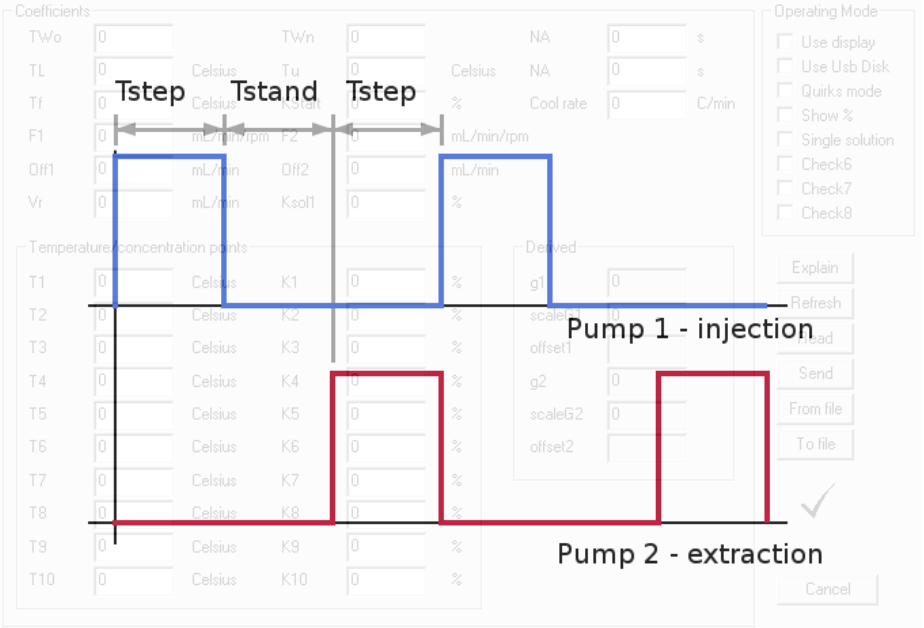
- Utility program used to configure the controller
- Usb connection to download control parameters, inc.
  - Look-up table
  - Pump characteristics
  - DMSO concentrations
  - Volume for single solution
  - Cycle timings for single solutions systems
  - Required flow for dual solution



CFGPID

- Settings can be saved and retrieved from file
- Send to the controller and read back if required
- Look-up table entered as %v/v not %w/w concentration
- Table needs to be determined by experimentation to allow for diffusion into the sample for example



CFGPID timings

- Be careful when defining timings for single step solution
- Inappropriate times can result in the pumps needing to run too fast
- Clicking Refresh will check the values and predict the pump speed
- Watson Marlow 520 pumps should be kept below 220 rpm