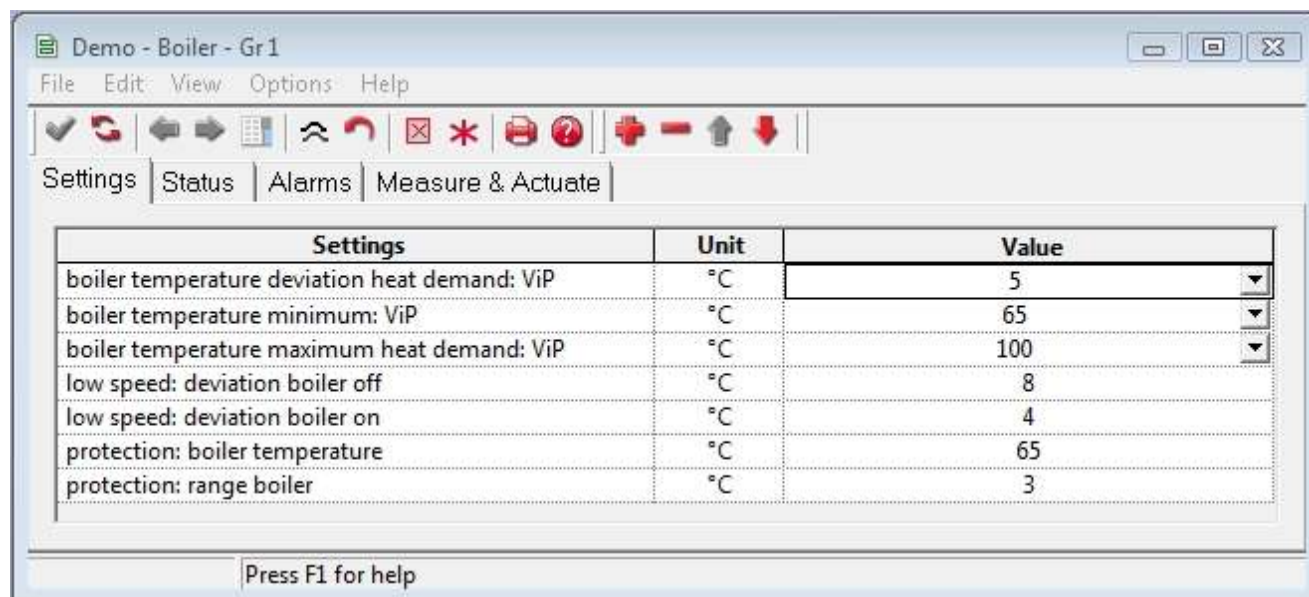


Boiler

You can adjust the setting list of "Boiler" to the following list:



The screenshot shows a software window titled "Demo - Boiler - Gr1" with a menu bar (File, Edit, View, Options, Help) and a toolbar. Below the toolbar are tabs for "Settings", "Status", "Alarms", and "Measure & Actuate". The "Settings" tab is active, displaying a table with the following data:

Settings	Unit	Value
boiler temperature deviation heat demand: ViP	°C	5
boiler temperature minimum: ViP	°C	65
boiler temperature maximum heat demand: ViP	°C	100
low speed: deviation boiler off	°C	8
low speed: deviation boiler on	°C	4
protection: boiler temperature	°C	65
protection: range boiler	°C	3

At the bottom of the window, there is a button labeled "Press F1 for help".

boiler temperature deviation heat demand: ViP

The temperature is adjusted to the highest pipe temperature demand plus the set deviation.

boiler temperature minimum: ViP

boiler temperature maximum heat demand: ViP

The thresholds for the computed boiler temperature.

low speed: deviation boiler off

low speed: deviation boiler on

The boiler is switched off if the boiler temperature is higher than the computed temperature plus the set deviation.

The boiler is switched back on when the boiler temperature is lower than the computed temperature plus the set deviation.

protection: boiler temperature

protection: range boiler

The boiler protection serves to prevent the boiler temperature from falling too low in the event of a sudden high heat demand.

The boiler protection comes into operation if the measured boiler temperature is lower than the set 'protection: boiler temperature'.

If the deviation is not greater than the 'protection: range boiler', setting, the initial step is for the mixing valves not to be opened or closed any further.

If the deviation is greater than the range, the mixing valves are closed in stages.

In a standby boiler the boiler protection influences the actuation of the standby valve.

Example:

