Hybrid Foamatic Upgrades

Hybrid Foamatic has been in the market for 20 months, and we are now ready with the first bigger facelift.

Back in 04/2018 we made the first upgrade of PLC when we implemented the possibility for TCP Socket communication with external PLC. This was implemented because of a general interest from the market, but until now we are yet to implement and test it. But the PLC is prepared, and protocol for communication has been added to software manual.

This facelift will include the following features:

From 20 to 32 zone valves (with extension slave units)
We will have the possibility to connect up to 32 zone valves through Hybrid Foamatic Tool and software in PLC. This means that we are able to utilize full capacity on I/O's on a Hybrid Foamatic with two slaves (total of up to 40 outputs).

SA units with our controller prepared for 25 bar applications
MA and SA units will have separate software in PLC. This allows us to differentiate the pressure from MA to SA, which means that we are able to go to 25 bar on SA units with our controller. Previously this was limited to 15 bar because of shared software with MA units.

New product signal - Empty Can Pause
Previous we had two different product signals. Either Low Level Product, which, when a wash program is ongoing, gives a warning that chemical can is at a low level. If this alarm is still present when the wash program is completed, you will not be able to start a new wash program where this chemical is included. The other product signal was Empty Can. When this is activated it will stop the wash program, and the wash program had to be started from the beginning after ack of alarm. These two product signals will remain, but a new one will be added. This is named Empty Can Pause. The function of Empty Can Pause is that when a chemical can is empty the program will pause for a given period of time. This time can be adjusted through Hybrid Foamatic Tool, but is default set to 10 min. Once chemical is in place again, and you ack the alarm, the wash program will restart the wash step in which it was paused. This means that the whole wash program does not have to be restarted.
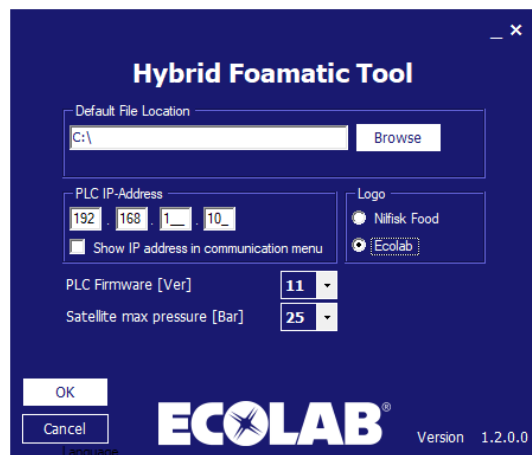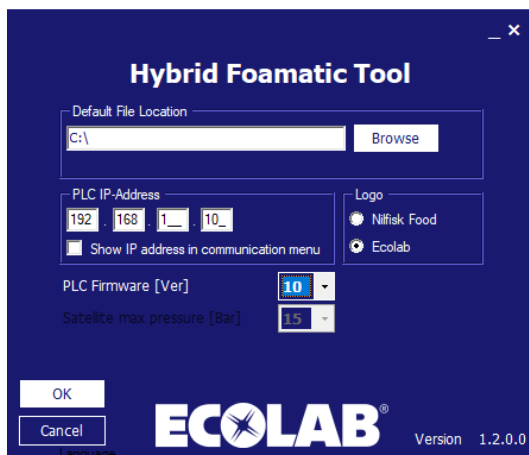
New installation kit

We have made a new installation kit for MA/SA, which is similar to item number 110002456 - Installation kit for BW7, but including two pieces of straight pipe each with thread at one end and ferrule connection at the other.

Item number is 110006259.

General information

It is important to note that these new features are not compatible with old units and that software cannot be upgraded. The new features are only available on new units delivered from 25/09-2018.

There is a new Hybrid Foamatic Tool available for download at: nilfiskfood.com/upload/Nilfisk FOOD/Automatic/Software/PCTool/HybridFoamatic.htm. Please note that Hybrid Foamatic Tool is now split into firmware version 10 and firmware version 11. Firmware version 10 is for Hybrid Foamatics from before 24/9-2018, while firmware version 11 is for Hybrid Foamatics delivered from 24/9-2018. You need to select firmware version in Hybrid Foamatic Tool before programming.

For further information do not hesitate to contact Nilfisk FOOD.

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