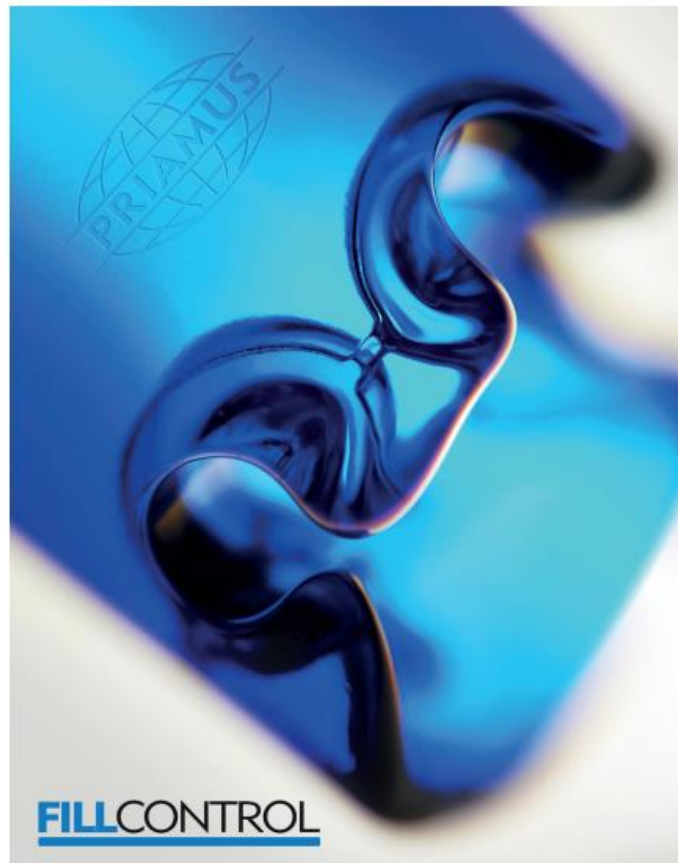


PRIAMUS FILLCONTROL 1.13
Release-Notes



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Overview of improvements

1. Implemented fallback mechanism for quality I/Os on software crash (only BlueLine)

2. Implemented language independent message storing for event protocol
3. Standard monitoring functions are added to each new configuration
4. Improvement noise tolerance of shear stress function
5. Improved performance of Control H controller
6. Rework of compression and shrinkage view
7. Rework of overview page for shear rate, shear stress, compression and shrinkage
8. Removed capability view temporarily

1. Implemented fallback mechanism for quality I/Os on software crash (only BlueLine)

Until now there was the possibility that in case of a software crash the quality outputs (Good, Warn, Action, Bad) on the I/O-Master (8980) and on the I/O-Expanders (8981) have not been reset. This means the outputs kept their status which they had, when the software crashed. Because also the "Mon On"-output has not been reset the molding machine was not able to detect an erroneous state of the BlueLine/FILLCONTROL system.

With this update the BlueLine system has been enabled to check the state of the software periodically. If the BlueLine system detects a software crash all used quality outputs are set to default values. All used "Bad"-outputs are enabled and all "Good"-outputs and the "Mon On"-output are reset.

2. Implemented language independent message storing for event protocol

From the current version on all messages in the event protocol are stored in a language independent format. This means that even after a restart of the software the messages in the event protocol can be changed to other languages. Files that have been created with language independent messages cannot be loaded in FILLCONTROL version 1.12 (and older).

3. Standard monitoring functions are added to each new configuration

Beginning with FILLCONTROL version 1.13 each new configuration will contain (inactive) standard monitoring functions. For each of the temperature and pressure channels a maximum and a melt front monitoring function is created automatically, when a new configuration is made. For temperature channels a mold temperature monitoring function is added. All of the monitoring functions are inactive by default. This means they do not create any good or bad part signals. Nevertheless they create values which can be observed for example in the trends view. This helps to configure reasonable values for the monitoring limits.

4. Improvement noise tolerance of shear stress function

The shear stress function has been reworked and now creates more constant values with lower noise amplitude. This has a direct positive effect on the monitoring and controlling of the shear stress.

5. Improved performance of Control H controller

In hotrunner devices which do not support decimal places in their communication protocol the balancing performance of the FILLCONTROL versions 1.10 to 1.12 was worse than they have been in FILLCONTROL version 1.9. One of these features is the comparison of the latest controller set values with the re-read set values from the host controller respectively the hotrunner device to verify that the commands of FILLCONTROL have been fulfilled. Due to the missing decimal places in the re-read set values FILLCONTROL came to the assumption that the setting of the values failed. The values have been send and checked again. In the worst case that has been done in an infinite loop. The verification has been made tolerant against missing decimal places, which restores the previous performance.

6. Rework of compression and shrinkage view

To increase the clarity of the compression and shrinkage views, these views have been reworked completely. Nevertheless both views still contain the same information.





7. Rework of overview page for shear rate, shear stress, compression and shrinkage

To increase the clarity of the overview for shear rate, shear stress, compression and shrinkage the view has been reworked completely. The displayed information has been reduced to a bar chart for each of the parameters. In the bar chart the current value, the alarm limits and the target value of the corresponding controllers can be seen. The "save part quality"-button has been replaced with a new big button in the center of the view. This button is called "Q-Button". By pressing this button the current values are set as new target values for all existing Control P controllers. Additionally the current machine profiles are imported into the FILLCONTROL configuration. If only the controller of a single parameter is to be adapted one of the four buttons around the Q-Button can be used.



8. Removed capability view temporarily

Due to a major rework of all curve and trend views the capability view has been removed temporarily, because it is not ready yet. It will be added with the next update again.

Further Sources of Information

For more information on the PRIAMUS BlueLine platform as well as other PRIAMUS products refer to the relevant PRIAMUS documentation or see www.priamus.com.

Contacts for more information

For all other information, please do not hesitate to contact your closest PRIAMUS office or agent.

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