

T.I. no.: 2019 - 07 Updated: -	Topic: SCA P BF software 2.11 and new Best Foam valve
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Date: 14.05.2019	Priority	Need for action
Affected machines: SCA P BF	High	As soon as possible
From serial number: 1918.../	Medium	On next visit to the machine
As of date: -	X Low	X FYI only

NEW FUNCTIONS AND IMPROVEMENTS

The following is an overview of the new functions and improvements:

New functions:

- Support for new Best Foam system with the standard 2/2-way valve.

Improvements:

- Incorrect MDB accounting system for dispensing with "free card" fixed.
- If pauses are stored in the recipe, the beverage could not be cancelled during these pauses. This is now fixed.
- Ukrainian added as a new language.

New Best Foam system

A standard 2/2-way valve (070503) will be used for the Best Foam milk system from now on. The new valve will prevent temperature fluctuations in the milk.

The new valve will be installed from serial number 1918.../ as standard.

NOTE

The specifications for the calibration of the components have changed:

With the standard 2/2-way valve there are now only two predefined products in the Service menu under the Best Foam/ Calibration menu item.

- Hot milk: Target value -> Milk temperature in refrigerator x °C + delta 60° (in cup)
- Hot milk foam: Target value -> Volume 150 ml (make sure that the lines to the blender are filled with milk beforehand)

The procedure for retrofitting the valve and the new default values for the milk steps are described in the following section.

Procedure after installing the valve in the field

If the valve is retrofitted to a machine, the following steps must be carried out:

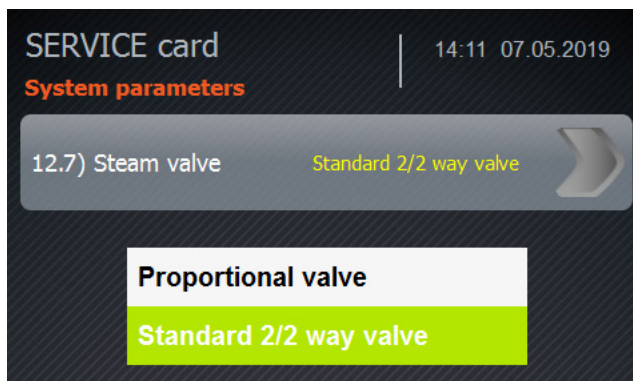
IMPORTANT

If the machine should be converted back from the standard 2/2-way valve to the proportional valve, a master reset must be carried out. Schaerer AG therefore recommends making a backup before the conversion to the standard 2/2-way valve.

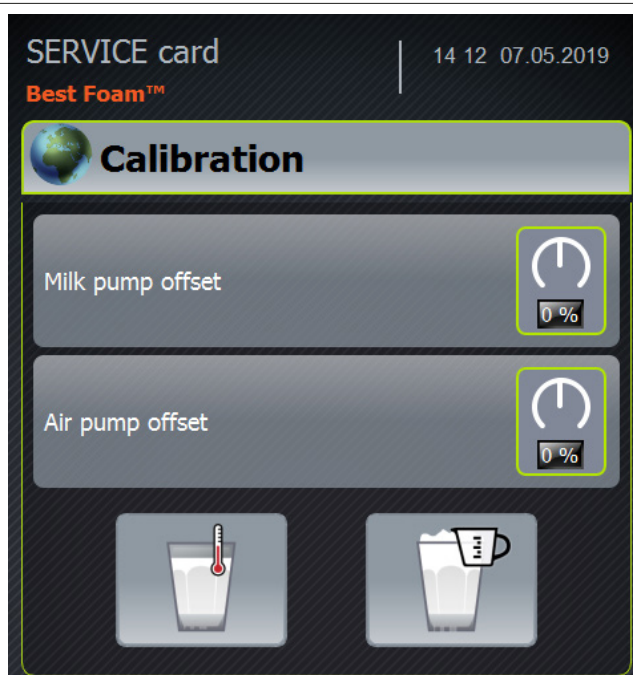
1. **Create backup.**
2. Installation of software 2.11.
3. Shut down the machine.
4. Remove housing.
5. Replace the steam valve (see figure) with the new one (070503).
The screw connection of the proportional valve can still be used.
6. Reassemble the housing.
7. Start machine.



8. Open the "System parameters" menu.
9. Change parameter [12.7 Steam valve] to Standard 2/2 way valve.
10. **Restart the machine.**



11. Perform calibration in the "Configuration" -> "Best Foam" menu.
12. Dispense milk drinks and check them.



Standard values for the various milk steps

Prerequisites:

- New standard 2/2-way valve
- Software version 2.11 or higher
- State-of-the-art blender and piping (see TI 2018-22)
- Milk temperature 3 – 5 °C

	Milk 1 hot (%)	Milk 2 hot (%)	Milk foam 1 hot (%)	Milk foam 2 hot (%)	Milk foam 3 hot (%)	Milk foam 4 hot (%)
Milk pump	75	60	60	55	50	50
Blender	20	20	60	60	60	70
Steam	100	100	100	100	100	100
Air	0	0	70	80	80	90

	Milk foam 1 cold (%)	Milk foam 2 cold (%)	Milk foam 3 cold (%)	Milk foam 4 cold (%)
Milk pump	50	50	50	50
Blender	45	45	45	45
Air	50	65	75	90