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1.1 Note

This technician's manual is an addition to the user manual and may be used only together with just this.

Please observe the safety guidelines as described in detail in the user manual.

This technician's manual may only be used by authorized service technicians and must not be passed on to third parties under any circumstances.

1.2 Service and Address

You have questions on how to operate your milk foamer or you need an appointment for maintenance or repair with our VERON customer service? VERON is constantly striving to provide good service!

VERON Customer Service

VERON Austria GmbH E-Mail: technik@veron-austria.com

Name and Address of the Warrantor

VERON Austria GmbH Untere Sparchen 25 6330 Kufstein, Austria

Tel.: +43 (0)5372 22496 Fax: +43 (0)5372 22496 -10 E-Mail: info@veron-austria.com

2.1 Technician's menu Settings

2.1.1 PIN-Clearance



The Customer menu is protected by a PIN (Personal Identification Number). To access this PIN-protected level "XXXXXX" must be entered.

2.1.2 PIN-Clearance in Self-service mode



In self-service mode, the bottom row of buttons is automatically hidden.

To make them visible again, the model emblem on the display has to be pressed for 5 seconds.

If the self-service mode is enabled, the bottom row of buttons will disappear 15 seconds after the last input.



Menu ⇔ Cleaning Scroll to the last display page. Here the cleaning program can be started.

2.1.4 Milk system load up



Menü ⇔ Milk system load up Scroll to the last display page. Here the milk lines can be filled.



Note!

The milk lines must be filled at the start of operation, in order for you to have milk products available.

2.1.5 Counter



Menu \Rightarrow Counter \Rightarrow System Counter The operating hours are listed here.



Menu \Rightarrow Counter \Rightarrow Product Counter

- The used amount per product is listed here.
- Individual counter reset: Press the respective product counter and confirm with "Yes".
- Reset all counters: Press the "Reset" button and confirm with "Yes.



- The dispensed amount for each product is shown.
- The counter cannot be reset.
- Shows the total consumed amount since the first operation.

Main Menu	Counters	Service Counters
Counters	System Counters	Milk cleaning Counter never has been reset.
Settings	Product Counters	
Machine Configuration	Product Counters B	
	Service Counters	
	Maintenance Counters	
Exit	Back	Back

 $\mathsf{Menu} \, \Leftrightarrow \, \mathsf{Counter} \, \Leftrightarrow \, \mathsf{Service} \, \, \mathsf{counter}$

- Shows the number of cleanings and rinses since the last reset.
- Individual counter reset: Press the respective product counter and confirm with "Yes".
- **Reset all counters:** Press the "Reset" button and confirm with "Yes.

2.1.6 Date and Time



Menu ⇒ Settings ⇒ Date and Time

2.1.7 Key Settings

Main Menu	Settings	Product Settings
Counters	Date/Time Settings	Select Profile
Settings	Product Settings	Latte 1
Machine Configuration	Service Settings	Milch L
	System Settings	Latte 2
		Milchschaum L
		Milch M
		Milchschaum S
		Milchschaum M
		Milch S
		-
Exit	Back	Back

Menu ⇒ Settings ⇒ Key Settings

- Here the keys can be set individually for each customer.
- Select the desired product key.



- Sets whether the product key is visible on the operating display.



- Select a preset product.

Button Settings	Tast	tenei	nste	llung	;en		
Milchschimm							
Visible	Sichtba	Ir					Ein
Product	Produk	t					
Labol	Bitte 1	ext ei	ngeben				
Milchschaum S	Bezeic	hnung	: Espre	sso			
Icon	A	в	c	D	E	F	G
PLU Code	н	1	J	к	L	м	N
	0	Р	Q	R	s	т	U
	v	w	x	Y	z	SP	CLR
	Met	ır		Ab	brechen		ок
Back Apply	Zurüc					A	wenden

- Enter the name of the product that will appear on the operating display.

Button Settings	Tasteneinstellungen
Miletschum	Espresso
Visible On	Sichtbar Ein
Product Hoiger Milchschaul	Pr Symbol auswahlen
Label Milchschaum S	Be 🚺 🕄 🗊 🗩 😽
Icon	🎦 🛃 🛃 🛃 🗾
PLU Code	
	Abbrechen OK
Back Apply	Zurück

- Select the icon that is displayed on the operating display for the product.

2.1.8 Milk foam amount

Main Menu	Settings	Product Settings	Product Settings	
Counters	Date/Time Settings	Select Productor	Militaschaum	
Settings	Product Settings	Latte 1		
Machine Configuration	Service Settings	Milch L	Milkfoam quantity 7.0 sec	
	System Settings	Latte 2		
		Milchschaum L		
		Milch M		
		Milchschaum S		
		Milchschaum M		
		Milch S		
				~
Exit	Back	Back	Back Test Ap	ply

Menu ⇒ Settings ⇒ Product Settings

- Select the product you want to adjust.
- Specify the product amount in seconds.
- Enter the desired amount of product with the arrow buttons.
- Place a cup under the outlet.
- Test the product with the "Test" button.
- Confirm the setting with "Apply".
- If you want to exit without confirmation, press the button "Back".

2.1.9 Milk amount

Main Menu	Settings	Product Settings	Product Settings
Counters	Date/Time Settings	Select Product	Mildi E
Settings	Product Settings	Latte 1	
Machine Configuration	Service Settings	Milch L	
	System Settings	Latte 2	
		Milchschaum L	
		Milch M	
		Milchschaum S	
		Milchschaum M	
		Milch S	
		~	
Exit	Back	Back	Back Test Apply

Menu ⇒ Settings ⇒ Product Settings

- Select the product you want to adjust.
- Specify the milk amount in seconds.
- Enter the desired milk amount with the arrow buttons.
- Place a cup under the outlet.
- Test the product with the "Test" button.
- Confirm the setting with "Apply".
- If you want to exit without confirmation, press the button "Back".

2.1.10 Boiler Temperature



Menu \Rightarrow Settings \Rightarrow Service Settings \Rightarrow General Parameters

- Recommended boiler temperature 62°C to 70°C.
- Enter the desired temperature using the arrow buttons.
- Confirm the setting with "Apply".
- If you want to exit without confirmation, press the button "Back".

2.1.11 Cleaning Limits



Menu ⇒ Settings ⇒ Service Settings ⇒ General Parameters

- **Cleaning Warning Limit:** If the period after the last full cleaning exceeds this value, a warning message appears on the display.
- **Cleaning Stop Limit:** If the period after the last full cleaning exceeds this value, the machine will be blocked for usage. To unlock it, a full cleaning has to be performed.
- Set the desired time with the regulator.
- Confirm the setting with "Apply".
- If you want to exit without confirmation, press the button "Back".

2.1.12 Adjust Cleaning Programs



- Select the product that you want to adjust.
- Set the desired cleaning parameters.
- Confirm the setting with "Apply".
- If you want to exit without confirmation, press the button "Back".

2.1.13 Adjust Milk system load up



- Set the desired parameters.
- Confirm the setting with "Apply".
- If you want to exit without confirmation, press the button "Back".

2.1.14 Language Settings



Menu ⇒ Settings ⇒ Service Settings ⇒ Language Settings

- Changes the entire menu to the desired language.
- Product names must be entered manually. Refer to chapter 2.1.7 "Key Settings".
- Product names can also be uploaded via USB.

2.1.15 Display Settings



Menu ⇒ Settings ⇒ Service Settings ⇒ Display Settings

- Activate or deactivate the screen saver.
- Dim Display 1: Timing of when the display is dimmed 30%
- Dim Display 2: Timing of when the display is dimmed 50%.
- Key profile waiter: arrangement of the keys.
- Key profile self- service: arrangement of the keys.
- Key set up for waiter: Position of the bottoms
- Key set up for self-service: Position of the bottoms
- Mixed Modus: Switchable between waiter and self-service mode.

2.1.16 Key Profile



Sie haben die Möglichkeit das Tastenprofil der Produkttasten für den Kellner- bzw. den Selbstbedienungs-Modus zu ändern.

You have the option to change the key profile of the product key for the waiter or the selfservice mode.

 $\mathsf{Menu} \Leftrightarrow \mathsf{Settings} \Leftrightarrow \mathsf{Service} \ \mathsf{Settings} \Leftrightarrow \mathsf{Display} \ \mathsf{Settings} \Leftrightarrow \mathsf{Key} \ \mathsf{Profile} \ \mathsf{Waiter} \ / \ \mathsf{Self-Service}$

You can choose from the following key profiles:

1x2 keys 1x2 keys left / right 1x4 keys 1x4 keys left / right 3x8 keys 3x8 keys left / right

Confirm the selection with "OK" and press "Apply" in the display settings.

2.1.17 Change Display mode



To activate the self-service or the waiter mode, proceed as follows: Menu ⇔ Settings ⇔ Service Settings ⇔ Display Settings ⇔Mixed Modus Confirm the selection with "OK" and press "Apply" in the display settings.

Now the settings for each mode are saved, and the machine can be used.

2.1.18 System Information



Menu ⇒ Machine Configuration ⇒ System Information

- 1 Serial number of the machine
- 2 Serial numbers of the boards
- 3 Software version
- 4 Machine options

2.1.19 System Update



Menu ⇒ Machine Configuration ⇒ System Update

- Plug in the USB-Stick.
- Start the update.
- If you want to exit without confirmation, press the button "Back".



2.1.20 Save / Load Settings

- Select the desired option.
- Save or load the desired setting.
- The green marked fields are loaded onto the machine.
- Fields marked in red are not loaded onto the machine.
- If you want to exit without confirmation, press the button "Back".

2.1.21 Component Test

The component tests are started after the service of the machine to test the components on their function.







Menu ⇒ Machine Configuration ⇒ Component Test ⇒ Milk Unit



Menu ⇒ Machine Configuration ⇒ Component Test ⇒ Chocolate Unit

2.1.22 License Information

Machine Configuration	Maschinenkonfiguration	Open-Source-Lizenzen
System Info	Systeminformationen	alsa-8b-1.0.24.1/COPYING: GNU LESSER GENERAL PUBLIC LICENSE
System Update	Systemoptionen	Copyright (C) 1991, 1999 Free Software Foundation, Inc. 59 Temple Ruce, Suite 330, Boston, MA 02111-1307 USA Everyone is permitted to core and distribute verbaling cooles
Settings Backup/Restore	System Aktualisierung	of this license document, but changing it is not allowed. [This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence
Open-Source-Licenses	Einstellungen sichern/laden	the version number 2.1.) Preamble The licenses for most software are designed to take away your
Component Test	Komponententest	freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software-to make sure the software is free for all its users.
\rightarrow	Open-Source-Lizenzen	This license, the Lester General Public Ulcense, applies to some specially designated of straves peckages-byjochill birarissof-the feed Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license of the ordinary General Public License is the better strategy to use in any particul case, based on the explanations below.
		When we speak of the software, we are referring to freedom of use, not prote. Our General Natio Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service) from unity. That you receive source code or any effective software of the software software code of the effective software of the software software code of the inner free programs; and that you are informed that you can do these things.
	and the second second	To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the literary or if you modify it.
	The second second	For example, if you distribute cocks of the likery, whether gradis, or for a fax, you must give the receiption at all the nights that we game you. Not must make sure that they, too, receive or can get the source code. If you like other code which the likery, you must provide complete object files to the recoiverts, so that they can reliak them with the likery after making charges to the likery and according
Back	Zurück	Zurück

2.1.23 Manually activate Standby mode



Menu ⇔ Standby Mode Scroll to the last display page. Here you can turn on the standby mode.

3 Technical Documents BARISSIMA

3.1 Motherboard Assignments BARISSIMA



3.1.1 Motherboard Assignments

X35		Power supply 230VAC
X36		
X37		
X38		
X41/3		
X41/1		
X42/3		
X42/1		
X43/3	M4	Output valve milk foam
X43/1		
X44/3		
X44/1	L3	Output valve air milk foam
X45/3		
X45/1		
X46/3		
X46/1		
X19		
X20		
X29		
X27		Power supply 24 VDC
X30		
X31		Output Heating SSR
X32		
X33	M2	Output Premium milk pump Cappuccino
X34	L2	Output air pump
X1		
X2		
X3		
X4		
X5		
X6		
X7		
X8		Input outlet head sensor
X9		
X10		Input milk sensor 1
X11		
X12		
X14		
X14 X15		Input boiler temperature sensor
X14 X15 X21		Input boiler temperature sensor
X14 X15 X21 X22		Input boiler temperature sensor
X14 X15 X21 X22 X23		Input boiler temperature sensor Input CAN bus
X14 X15 X21 X22 X23 X24		Input boiler temperature sensor Input CAN bus Input RS485
X14 X15 X21 X22 X23 X24 X24 X26		Input boiler temperature sensor Input CAN bus Input RS485 Input programming
X14 X15 X21 X22 X23 X24 X24 X26 X28		Input CAN bus Input RS485 Input Programming Input USB Display board

3.1.2 Motherboard connection table BARISSIMA

Fluid scheme BARISSIMA 3.1

3.1.1 Fluid scheme BARISSIMA



3.1.2 Legend Fluid scheme BARISSIMA

1	M1	Suction milk with none return valve		
2	M2	Milk pump		
3	M3	None return valve		
4	M4	Output valve milk foam		
5	L1	Air nozzle		
6	L2	Air pump		
7	L3	Air valve		
8	L4	None return valve		
9	A1	Expansion valve		
10	A2	Drain hose		

4 Change Index

Version	Valid from	Changes
V1.00	02/2015	