

SOFTWARE UPGRADE MPA 1.02.03

Fill out :

Company name

Processor serial number

Date of software upgrade

Service Technician

We recommend that you keep this document for future reference.

DESCRIPTION

SCOPE

This instruction is valid for **Kit No 10005553**.

This version of the MPA software complies with:
Service Manual **51215BC** and User Manual **51214BC**.

KIT CONTENTS

The kits consist of:

Specification	Qty.
DISC, 3½", 1.44 MB	2
INSTRUCTION: "DOWNLOADING OF SOFTWARE"	1
INSTRUCTION: "SETUP OF SOFTWARE (this document)"	1

NEW FEATURES IN THIS SW VERSION

The new features mentioned below are the main differences from software version MPA 1.00.07.

AREA VALUE 1.01.10

Added to the STATISTICS menu.

FULL WASTE 1.01.10

A bug has been fixed that could cause replenish pumps to continue pumping even though a full waste situation occurred.

ERROR CHANGED 1.01.10

The message "APPL EMPTY DEV" has been changed to "REPL EMPTY DEV".

WASTE FULL 1.01.10

The "WASTE FULL" alarm now requires user confirmation before the alarm is removed.

NEW SETTER TYPES 1.01.10

The software now also supports the setters "Platedriver" and "RF-R 1050".

STATISTICS 1.01.10

The value of the absolute number of plates can now exceed 65535.

SERVICE ACCESS 1.01.10

Service submenus, including the calibrate functions, can now be accessed from the off-menu.

LEVEL WARN XXX 1.01.10

If a plate is processed while there is a low level situation, the plate quality might not be satisfying. The system will now generate an alarm to the user.

Note that if low level occurs during process the system will automatically topup and report the error "LEVEL WARN WASH". Please check for leaks and whether rollers are mounted correctly.

PROGRAM PARAMETER PROTECTION 1.01.10

WARNING! In general factory settings for program parameters should not be changed. Factory settings are as stated in the "CLEANING QUICK GUIDE" or other formalized statements from the processor manufacturer.

PLEASE BEAR IN MIND:

- Settings are thoroughly tested and verified to be optimal for processing of the Agfa Lithostar plates.
- Settings are optimized for this processor and should not be mixed with the optimal settings for e.g. an AGFA LP82 processor.
- Experience of problems in the performance are not due to wrong settings. The cause lies elsewhere.
- If adjustments are needed for optimal plate quality always adjust in setter parameters **NEVER** adjust processor program parameters.
- If you change the program settings you are unsupported by the processor manufacturer and the AGFA headquarter.

- **Only change settings in accordance with official statements from the processor manufacturer or the Agfa headquarter.**

To help remember this, program parameters have been relocated to the SERVICE menu and access to changing values in the program parameters now requires a code (see MPA Service Manual).

REMOTE ENABLING SYSTEM 1.01.10

The software now includes support for the Remote Enabling System. Optional license required. The Remote Enabling System allows remote monitoring and controlling of one or more processors by connection either via modem or through the local network (LAN).

CALIBRATION ERRORS 1.01.20

If an error condition occurs during calibration e.g. empty replenish container or full waste container then a "CALIB ERROR" is shown in the display and the calibration cannot start or is aborted. The cause of error can be seen in the alarm list.

When calibrating the developer replenish pump the developer circulation pump must be running and therefore the level must also be okay in the developer tank.

TEMP INCOR (TEMP LOW/HI) 1.01.20

The alarms "TEMP LOW" and "TEMP HI" (alarm No 14) during warm-up are changed to "TEMP INCOR" to avoid confusion with "TEMP LOW" and "TEMP HI" alarms after warm-up.

MOTOR FAIL ALARM 1.01.20

If the wash centrifuge motor is not running when requested a "MOTOR FAIL WASH" alarm is displayed and the processor stops. This typically happens if the cable to the motor is not connected.

A new parameter is added to the configuration menu (see below) and a new menu item showing the alarm status is placed in the Monitor and Test Functions menu:

"M12 Connect. 0/1".

"0" means that the cable is not connected.

W CEN DETECT 1.01.20

A new parameter in the configuration menu has been added. The W CEN DETECT enables detection of incorrect cable connection for the centrifuge motor.

WARNING! Old processors need to be updated with a special cable enabling detection of connected centrifuge (kit no 10003819). If the cable is not installed please configure "W CEN DETECT" to "OFF".

The alarm "MOTOR FAIL" will occur if the configuration parameter "W CEN DETECT" is :

- configured "ON" and cable is not connected.
- configured "OFF" and cable is connected.

WASH/FIN TOPUP 1.01.21

The wash/fin tank is checked for correct level and a "STARTING XXX" warning is issued

- when the processor is turned on, or
- the cover is closed and the processor is not processing plates.

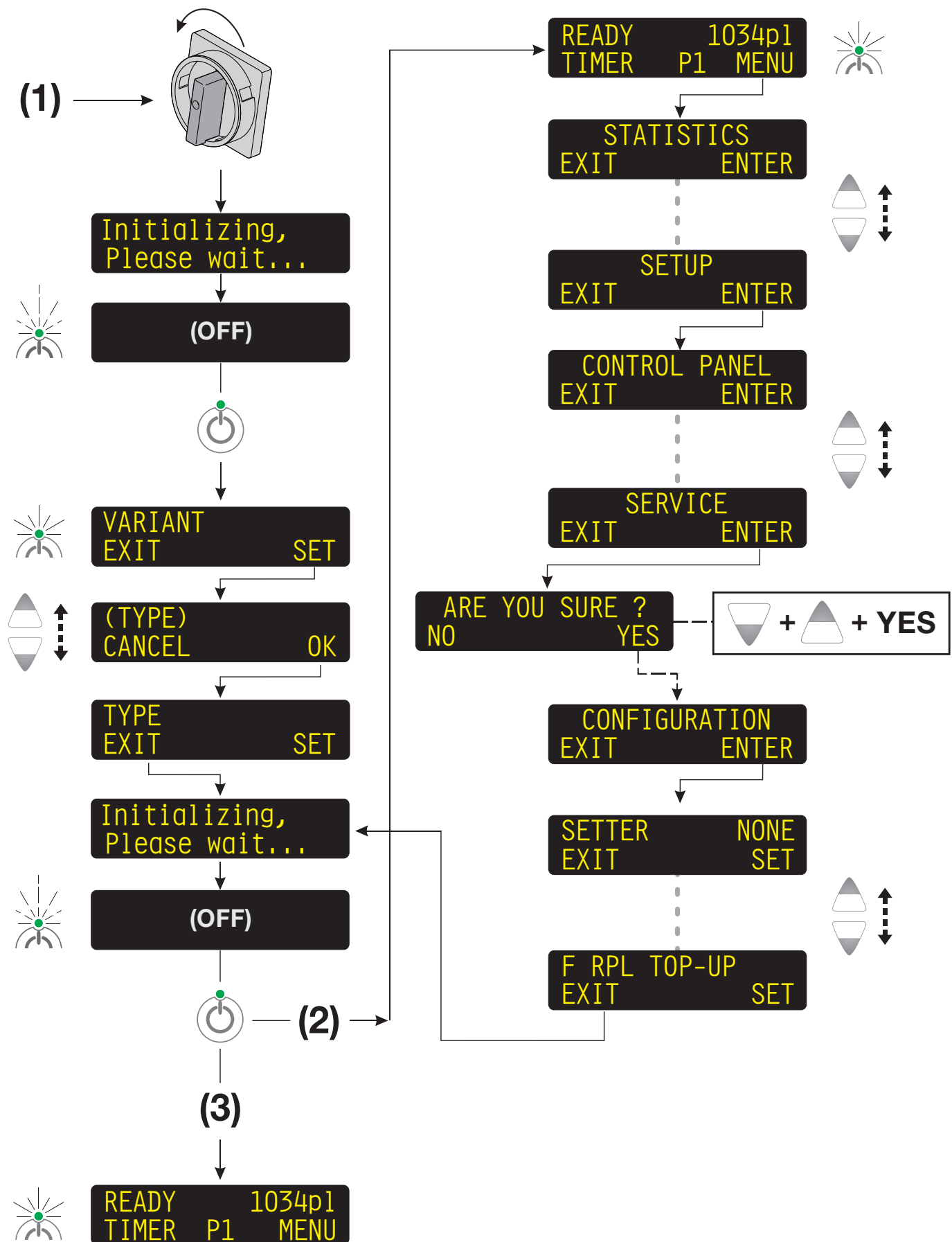
If topup is needed the warning is changed to "FILLING XXX".

If the level goes low in stand-by a "LEVEL ERROR" alarm is displayed. If the level goes low during processing up to 5.6 liters (1.48 US gal.) for wash and 1.1 liters (0.29 US gal.) for finisher is automatically dosed, and the if level is still low the "LEVEL ERROR" alarm is displayed.

The low level alarm can only be cleared by turning the processor off and on again, thereby activating the automatic topup.

D TOP-UP AND F RPL TOP-UP 1.02.03

The configuration parameters "F RPL TOP-UP" and "D TOP-UP" have been removed. Top-up is always done in these sections.



UPGRADE PROCEDURE

REGISTRATION OF EXISTING VALUES

IMPORTANT!

Before installation of new software it is very important to make a note of the existing configuration etc. of the processor by writing down all values of the parameters (see list of configuration parameters later).

Also STATISTICS which holds accounts for total number of plates and area is reset. Be sure to make a note of statistics values as well.

CAUTION! It is especially important to make a note of the value for the K9 valve (calibration parameter in the service menu) as new processor models have different wash valve system with a significantly different capacity than older models.

Start up the processor and use the lists in this instruction for registration of the values.

NOTE! Some of the parameters in the lists are not available for all machine types and some are new and will be present only when new software is installed.

KEEP THIS DOCUMENT WITH THE PROCESSOR SERVICE MANUAL AS UPDATE DOCUMENTATION FOR THE NEW SOFTWARE.

THE SET-UP PROCEDURE

CAUTION! The setup procedure must only be carried out by a well qualified Service Technician who is familiar with the equipment.

IMPORTANT! If you have the Remote Enabling System installed you should perform the set-up procedure as described in the "Remote Enabling System Installation Guide" that comes with the system. Otherwise follow description below.

- Follow download procedure as described in separate instruction part no 48281 and when finished make sure to shut the processor down (turn the main switch to 0/OFF).

(See illustration opposite)

- Now turn the processor's main switch I/ON **(1)** and wait until the processor has initialized then press the stand-by key to turn it into stand-by mode.
- The display changes to show the configuration menu starting with the processor type selection parameter (see table of configuration parameters on the next pages).
- Press SET to enter the type parameter, then use the up/down keys to find your present processor type and press OK to confirm.

Choosing a type will update the various configuration parameters to the standard settings for the selected processor type.

Values are default Metric values. If US values is required, set UNITS to "US" after initialization. The parameters list in this instruction shows values in Metric only.

NOTE! It is necessary to make proper settings to the **PROCESSOR TYPE PARAMETER (TYPE)** before being able to exit the configuration function.

- **IMPORTANT!** Press RETURN to re-configure.
- The processor initializes and turn to OFF mode. Press the stand-by key and enter the configuration menu **(2)**.
- Now use up/down keys to scroll through the various configuration parameters and change the values when necessary in order to make them match the values from the old configuration.
 - Press SET to enter a parameter.
 - Use the up/down keys to select the proper setting and confirm pressing OK.
- To end the configuration press EXIT.
The processor will reconfigure and then return to OFF mode when initialized.
- Press the stand-by key to turn into stand-by mode **(3)**.
- Now enter data from the USER -, SERVICE -, and STATISTICS PARAMETERS lists.

PARAMETER SETTINGS LISTS

Make notes of your current processor settings in the tables on the next pages to be able to make same settings later if changing the software.

NOTE! Whether or not a parameter is available depends on the processor configuration.

USER PARAMETERS

PARAMETER	VALUE	DEFAULT	SETTING	DESCRIPTION
SETUP				
└─▶ CONTROL PANEL				
LEFT KEY ASSIGN		NONE	NONE STATISTICS TIMER	Which shortcut has been selected
DISP		PLATES	PLATES AREA SPEED DEV TEMP DEV REPL WASH TEMP WASH REPL FIN TEMP FIN REPL DRY TEMP	Which "stand-by" display setting has been selected
SOUND		ON	ON, OFF	Select whether sound is used for certain warnings
BLACK OUT		OFF	ON, OFF	Select whether or not the display lights should be on.
EDIT LOCK		OFF	ON, OFF	Select whether or not the edit lock should be on
└─▶ PLATE SIZES				
S1		-	? x ? cm	Enter plate size - length (LEN) and width (WID)
S2		-	? x ? cm	Enter plate size - length (LEN) and width (WID)
S3		-	? x ? cm	Enter plate size - length (LEN) and width (WID)
S4		-	? x ? cm	Enter plate size - length (LEN) and width (WID)
S5		-	? x ? cm	Enter plate size - length (LEN) and width (WID)
S6		-	? x ? cm	Enter plate size - length (LEN) and width (WID)
S7		-	? x ? cm	Enter plate size - length (LEN) and width (WID)
S8		-	? x ? cm	Enter plate size - length (LEN) and width (WID)
└─▶ INFORMATION ─▶ ABSOLUTE VALUES				
PLATES		0	0 -	Enter total amount of plates processed.
AREA		0	0 -	Enter total amount of processed area.
HOURS		0:00:00		Enter total of process hours.
└─▶ INFORMATION ─▶ RELATIVE VALUES				
PLATES		0	0 -	Enter relative amount of plates processed.
AREA		0	0 -	Enter relative amount of processed area.
└─▶ AUTO TIMER				
AUTO		OFF	ON/OFF	Select whether or not the processor should start-up automatically every day
└─▶ CLOCK				
(Date and time)		-	xx.xx.xx xx:xx	Enter the exact date and time.

CONFIGURATION PARAMETERS

PARAMETER	VALUES	DEFAULT	SETTING	FUNCTION
SETUP ↳ SERVICE → CONFIGURATON				
VARIANT			Silver	<p>NOTE! This parameter is only available when new software has been installed. See "INITIAL CONFIGURATION" in the MPA Service Information manual..</p> <p>Select the present processor variant.</p> <p>Choosing a variant will update the various configuration parameters to the default settings for the selected variant. Press "OK"</p> <p>When all configuration parameters have been set press "RESTART" to restart the processor with the new configuration.</p>
WIDTH			68 85	Select the width that matches the present processor.
SETTER			NONE AIR 75 AURORA AUTO 3850 BARCO CACTUS CELIX CREO DIAMOND DMX FasTRAK GALILEO GERBER 36 GERBER 42 NELA/HEID KRAUSE LOTEM LP-150 PF-R1050 PLATEDRIV PLATINUM PL-R1080 POLARIS PROSETTER TOPSETTER	<p>Default = NONE</p> <p>Selects which setter interface should be used if the processor is installed for online use.</p> <p>The processor will initialize when pressing RETURN to exit the SETTER menu.</p> <p>Note that the actual setter choices available in the menu depend upon the actual software version.</p>
READY DELAY		14 cm	0 - 15 cm	<p>Use this parameter for OnLine processors only!</p> <p>Specify the distance the plate's trailing edge must travel after having left the input sensor until the processor gives ready signal to the imagesetter.</p>

CONFIGURATION PARAMETERS

PARAMETER	VALUES	DEFAULT	SETTING	FUNCTION
READY DELAY		14 cm	0 - 15 cm	<p>Use this parameter for OnLine processors only!</p> <p>Specify the distance the plate's trailing edge must travel after having left the input sensor until the processor gives ready signal to the imagesetter.</p>
UNITS		METRIC	METRIC/US	Select display to show units in metric or US values.
D REPL MIN		ON	ON/OFF	Select whether or not the present processor is equipped with min. level sensor in the developer replenishment container.
D WASTE MAX		ON	ON/OFF	Select whether or not the present processor is equipped with max. level sensor in the developer waste container.
CONCEPT 6		6	6/7	<p>6 = Concept 6 7 = Concept 7 *</p> <p>*) Concept 7 requires a different stand pipe in the rinse section in order to establish the cascading effect.</p>
F RPL MIN		ON	ON/OFF	Select whether or not the present processor is equipped with min. level sensor in the finisher replenishment container.
POWER FREQ		50 Hz	50/60 Hz	The speed of the centrifuge motor is dependent on the local power frequency. Select value 50 or 60 Hz to adapt motor to correct power frequency.
W CEN DETECT		ON	ON/OFF	This parameter enables detection of incorrect cable connection for centrifuge motor.
*) Depending on model selected in "VARIANT".				

SETTINGS PARAMETERS

PARAMETER	VALUE	DEFAULT	SETTING	DESCRIPTION
SETUP				
<div> <div>→ SERVICE → SETTINGS → TIME REPLENISH → CIRCULATION</div> </div>				
WASH		125	0 - 500 ml/hour (cc/hour)	Amount of wash water to be pumped when pumps are running in the section.
FIN		175	0 - 500 ml/hour (cc/hour)	Amount of finisher replenishment to be pumped when pumps are running in the section.
<div> <div>→ SERVICE → SETTINGS → TIME REPLENISH → STAND-BY</div> </div>				
DEV		50	0 - 500 ml/hour (cc/hour)	The total amount of time replenish to be added to the developer section, when in STAND-BY mode.
WASH		20	0 - 500 ml/hour (cc/hour)	The total amount of wash water to be added to the wash section, when in STAND-BY mode.
FIN		20	0 - 500 ml/hour (cc/hour)	The total amount of time replenish to be added to the finisher section, when in STAND-BY mode.
<div> <div>→ SERVICE → SETTINGS → TIME REPLENISH → OFF</div> </div>				
DEV		50	0 - 500 ml/hour (cc/hour)	The total amount of time replenish to be added to the developer section, when in OFF mode.
<div> <div>→ SERVICE → SETTINGS → PROGRAMS → PROGRAM 1</div> </div>				
SPEED		90 (cm/min)	40 - 120 *	Developing time
DEV TEMP		21 (°C)	20 - 40 *	DEV temperature
D RPL		200 (ml/m ²)	0 - 450 *	Amount of repl. added to DEV per m ² plate processed
WASH TEMP		40 (°C)	20 - 40 *	WASH temperature
W RPL		200 (ml/m ²)	0 - 2500 *	Amount of repl. added to WASH per m ² plate processed
FIN TEMP		48 (°C)	20 - 50 *	FIX temperature
F RPL		100 (ml/m ²)	0 - 250 *	Amount of repl. added to FIN per m ² plate processed
DRY TEMP		50 (°C)	20 - 60 *	DRY temperature
<div> <div>→ SERVICE → SETTINGS → PROGRAMS → PROGRAM 2</div> </div>				
SPEED		90 (cm/min)	40 - 120 *	Developing time
DEV TEMP		21 (°C)	20 - 40 *	DEV temperature
D RPL		200 (ml/m ²)	0 - 450 *	Amount of repl. added to DEV per m ² plate processed
WASH TEMP		40 (°C)	20 - 40 *	WASH temperature
W RPL		200 (ml/m ²)	0 - 2500 *	Amount of repl. added to WASH per m ² plate processed
FIN TEMP		48 (°C)	20 - 50 *	FIX temperature
F RPL		100 (ml/m ²)	0 - 250 *	Amount of repl. added to FIN per m ² plate processed
DRY TEMP		50 (°C)	20 - 60 *	DRY temperature
*) Depending on settings in "UNITS".				

SETTINGS PARAMETERS

PARAMETER	VALUE	DEFAULT	SETTING	DESCRIPTION
<div> <div>→ SERVICE</div> <div>→ SETTINGS</div> <div>→ PROGRAMS</div> <div>→ PROGRAM 3</div> </div>				
SPEED		90 (cm/min)	40 - 120 *	Developing time
DEV TEMP		21 (°C)	20 - 40 *	DEV temperature
D RPL		200 (ml/m ²)	0 - 450 *	Amount of repl. added to DEV per m ² plate processed
WASH TEMP		40 (°C)	20 - 40 *	WASH temperature
W RPL		200 (ml/m ²)	0 - 2500 *	Amount of repl. added to WASH per m ² plate processed
FIN TEMP		48 (°C)	20 - 50 *	FIX temperature
F RPL		100 (ml/m ²)	0 - 250 *	Amount of repl. added to FIN per m ² plate processed
DRY TEMP		50 (°C)	20 - 60 *	DRY temperature
<div> <div>→ SERVICE</div> <div>→ SETTINGS</div> <div>→ PROGRAMS</div> <div>→ PROGRAM 4</div> </div>				
SPEED		90 (cm/min)	40 - 120 *	Developing time
DEV TEMP		21 (°C)	20 - 40 *	DEV temperature
D RPL		200 (ml/m ²)	0 - 450 *	Amount of repl. added to DEV per m ² plate processed
WASH TEMP		40 (°C)	20 - 40 *	WASH temperature
W RPL		200 (ml/m ²)	0 - 2500 *	Amount of repl. added to WASH per m ² plate processed
FIN TEMP		48 (°C)	20 - 50 *	FIX temperature
F RPL		100 (ml/m ²)	0 - 250 *	Amount of repl. added to FIN per m ² plate processed
DRY TEMP		50 (°C)	20 - 60 *	DRY temperature
*) Depending on settings in "UNITS".				

CALIBRATIONS PARAMETERS

SETUP				
<div> <div>→ SERVICE</div> <div>→ CALIBRATE</div> <div>→ DEV SECTION</div> </div>				
M4 ReplPump		180	ml	Calibrate function used to obtain accurate pump and valve output volumes.
<div> <div>→ SERVICE</div> <div>→ CALIBRATE</div> <div>→ WASH SECTION</div> </div>				
K9 Valve		6000	ml	CAUTION! It is especially important to make a note of this value as new processor models have different wash valve system with a significantly different capacity value than older models. Calibrate function used to obtain accurate pump and valve output volumes.
M18 ReplPump (Concept 6 only)		180	ml	Calibrate function used to obtain accurate pump and valve output volumes.
<div> <div>→ SERVICE</div> <div>→ CALIBRATE</div> <div>→ FIN SECTION</div> </div>				
M19 ReplPump		180	ml	Calibrate function used to obtain accurate pump and valve output volumes.
WASH		125	0 - 500 ml/hour (cc/hour)	When pumps are running in the section.

