

# **Operating Manual**

😹 Elmasolvex® VA Tools			
CUpdate Screen	Import/Export		
E	Imasolvex® V	A Update	
	Update Open update file Start update	Online update	
			Elma Iltrasonics.Steam.Ultraclean.
Machine version: R006	Connected to port		08:52:26

### **Elmasolvex VA Tools**

### **PC Program**

#### • English •

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## General

This operating manual is an integral part of the scope of delivery of the software.

We reserve the right to make changes from the design shown in this operating manual due to technical further developments.

An operating manual cannot take into account every conceivable possibility. For more information or for issues that are not or insufficiently covered in this manual, please consult your dealer or the manufacturer.

### **Product description**

The Elmasolvex VA Tools PC software has been developed as enhancement for the Elmasolvex VA watch cleaning machines. The software provides the possibility to connect the machine to a computer and in this way makes additional functions available.

#### 2.1 Product features

- Update of the operating software of the Elmasolvex VA watch cleaning machine
- Production of screenshots of the machine screen and storage of the images on a computer
- Backup of created cleaning programs of the watch cleaning machine to a computer
- Transfer of saved cleaning programs from a computer to a watch cleaning machine
- Deletion of created cleaning programs from the watch cleaning machine
- Retrieval of the event log from the watch cleaning machine and saving of the event log in a PDF file

### 2.2 System requirements

The Elmasolvex VA Tools PC software has been developed for the Microsoft Windows operating system and is not executable on other operating systems.

#### The following versions of Windows are supported:

- Windows XP (32/64 bit)
- Windows 7 (32/64 bit)
- Windows 8.1 (32/64 bit)
- Windows 10 (32/64 bit)

To be able to connect the Elmasolvex VA to the computer, a USB interface (*USB 1.0/2.0/3.0 type A*) is required.



3

## Setting up the PC software

#### 3.1 Software Download

**Proceeding** 1. Go to Elma Homepage / Download Area and register yourself:

https://www.elma-ultrasonic.com/en/service/softwareupdates/

- 2. After receiving the confirmation email open the link to the download area.
- Download the following files:
   \* Elmasolvex VA Tools\_lite\_setup.exe (PC-Software).

When software update is required too, download also: \* **Elmasolvex VA\_R009.bin** (machine software).

#### 3.2 Installation

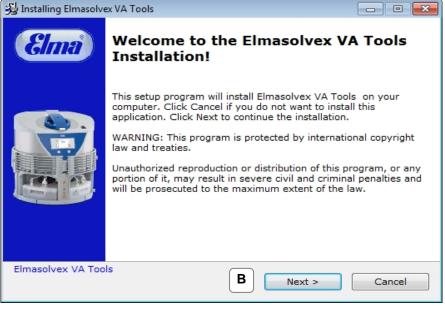
.

mətana

Attention! The PC / notebook must **not** be connected to the Elmasolvex VA during software installation!



A Click on the file "*Elmasolvex VA\_Tools\_lite\_setup.exe*" to install the PC software on your computer.



**B** The installation menu opens. Click on "*Next*" to continue.

😼 Installing Elmasolvex VA Update	- 0 -
License Agreement To proceed with the installation, you must accept this License Agreement. Please read it carefully.	
Lizenzbedingungen für die Software Elmasolvex® VA Tools	
Version 1.0	
Diese Software ist urheberrechtlich geschützt für die Elma Schmidbauer GmbH	÷
<ul> <li>I agree with the above terms and conditions</li> <li>I do not accept the agreement</li> </ul>	
Print < Back Next >	Cancel

**C** The Elmasolvex VA Tools PC software is a copyrighted software. For this reason, you must accept the licence agreement to continue the software installation.

😼 Installing Elmasolvex VA Tools	
License Agreement To proceed with the installation, you must accept this License Agreement. Please read it carefully.	
Lizenzbedingungen für die Software Elmasolvex® VA Tools	<b>^</b>
Version 1.0	
Diese Software ist urheberrechtlich geschützt für die Elma Schmidbauer GmbH	
<ul> <li>I agree with the above terms and conditions</li> <li>I do not accept the agreement</li> </ul>	
Print < Back Next >	Cancel

**D** After accepting the license agreement, click on "*Next*" to continue.



J Installationsassistent von Elmasolvex VA Tools	X
Warning .Net Framework is required	
This program requires the .Net Framework 4.0 from Microso	oft.
To install the .Net Framework on your computer press the Next button. The setup starts automatically.	
For the installation an Internet connection is required.	
Go to Microsoft Homepage	
Elmasolvex VA Tools	
E Weiter >	Abbrechen

E The PC software can only be installed if Microsoft.Net Framework 4.0 is installed on your computer. If it is not installed, go to the Microsoft website and download and install .Net Framework 4.0. You reach the Microsoft website by clicking on "Go to Microsoft Homepage".

An internet connection is required.

😼 Installing Elmasolvex VA Tools 📃 😐	×
Installation folder Select a destination folder where Elmasolvex VA Tools will be installed.	
Setup will install files in the following folder. If you would like to install Elmasolvex VA Tools into a different folder, click Browse and select another folder.	
Destination folder C:\Program Files\Elmasolvex VA Tools Browse	
Space required: 12.99 MB Space available: 115.73 GB	
- Elmasolvex VA Tools	

**F** Select the location where you would like to install the program and confirm this with "*Next*".



**G** The installation has been completed successfully. Exit from the installation menu by clicking on "*Finish*". The Elmasolvex VA Tools PC software will be started automatically.



#### Establish connection to the machine



A The installation software creates a shortcut on your desktop which you can use to start the PC software. Double clicking on the shortcut opens the following window.

Welcome	
Elmas	olvex® VA Tools
	Welcome to Elmasolvex® VA Tools.
	Important! The machine must be switched on and connected to a USB port of your computer before you proceed. Ensure that the machine is switched on and connected to your computer.
	Contact the Elma support in case of any problems. e-mail: <u>support@elma-ultrasonic.com</u>
	Machine is ready
	B OK Cancel

**B** Read carefully through the instructions in the displayed start screen and confirm by clicking on the checkbox "*Machine is ready*".

All points must be fulfilled so that the machine can be connected to the computer.

Welcome Elmas	olvex® VA Tools
	Welcome to Elmasolvex® VA Tools. Important! The machine must be switched on and connected to a USB port of your computer before you proceed. Ensure that the machine is switched on and connected to your computer. Contact the Elma support in case of any problems. e-mail: support@elma-ultrasonic.com Machine is ready Coccoccoccoccoccoccoccoccoccoccoccoccocc

**C** Click on "*OK*" to continue.



**D** The PC software searches for the Elmasolvex VA. This is shown on the bottom left of the screen.

Elmasolvex® VA Tools           Update		
El	masolvex® VA Upda	te
	Update Open update file Update	
Machine not found.		Ultrasonics.Steam.Ultraclean.

E The above error message is displayed if the Elmasolvex VA is not found.
 Check whether the machine is switched on and connected to the PC via USB cable.

Click on "Yes" to search again.





**F** If the Elmasolvex VA has still not been found, check again whether the machine is switched on and connected to the PC via USB cable. Then click on "*OK*" and restart the machine. The machine is searched for a third time.



**G** The Elmasolvex VA has been found. The current software version of the machine is shown on the bottom left.

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#### 3.4

### Language selection



A Your required program language can be selected on the bottom right. The flag with the grey background shows the currently selected language. The languages English, German and French are available.



4

## Software functions

### 4.1 Perform update

This chapter explains how you can perform a software update on your Elmasolvex VA.

The machine must be connected to the computer as described under point 3.3. Then follow the instructions on the following pages.



A First, select the tab "Update".

CUdder Screen E	· · · · ·	nt Report	B
	6	Language	<b>Elma</b> Ultrasonics.Steam.Ultraclean

**B** You can search online for an update for your machine. For this, click on "Online update".

An internet connection is required.

Elmasolvex® VA Tools			
C Update			
E	Imasolvex®	<sup>®</sup> VA Update	
	Update Open update file Status Downloading update C	update Online update	
	Language		Elma
Machine version: R006	Connect	ed to port: COM15	Ultrasonics.Steam.Ultraclean. 09:14:48

**C** A machine update is searched for on the Elma website. This process can take a few minutes.

Elmasolvex VA Tools		
	Imasolvex VA Updat	e
	Update Open update file Update available No update available There is no software update available for your machine. The machine is up-to-date. Downloading update	
		Ultrasonics.Steam.Ultraclean.
Machine version: R007	Connected to port: COM3	4:16:29 AM

**D** If your machine is up to date, i.e. the latest available software is installed on the machine, the above notification is displayed.



Elmasolvex® VA Tools		
C Update	masolvex® VA Updat	te
	Update  Open update file Statu update  Satus Download  Development  Satus Development  Sa	
Machine version: 8005	Connected to port: COM16	Ultrasonics.Steam.Ultraclean.

**E** If your machine is not up to date, i.e. the latest available software is not installed on the machine, the above notification is displayed.

You can save the update file on your PC or install the update without saving the update file.

👼 Save As	
Correction ⊂ ↓ Elr	masolvex VA Tools <ul> <li>4</li> <li>Search Elmasolvex VA Tools</li> </ul>
Organize 🔻 Ne	w folder 🛛 🔠 👻 🔞
🔆 Favorites	Name     Date modified     Type
🧮 Desktop	ElmasolvexVA_R007.bin 1/31/2017 5:08 AM BIN File
🐌 Downloads	=
<ul> <li>Recent Places</li> <li>Libraries</li> <li>Documents</li> <li>Music</li> <li>Pictures</li> <li>Videos</li> </ul>	
1 videos	▼
File name:	ElmasolvexVA_R007 -
Save as type:	ElmaUpdate (*.bin)
Alide Folders	F Save Cancel

**F** The above screenshot shows the "*Elmasolvex VA\_RXXX.bin*" update file to be saved. Select the required storage location and click on "*Save*".

You can open this update file again at a later time, for example to update the software of another Elmasolvex VA.

<image/> Votate Note:   Note: Note:   Not:: Note:   Note: Note: <th>🗟 Elmasolvex® VA Tools</th> <th></th> <th></th> <th></th>	🗟 Elmasolvex® VA Tools			
Open update file   Image: Constraint of the state				ite
Ultrasonics.Steam.Ultraclean.		Open update file	es fully downloaded	Ema
Machine version: R005 File version: R007 Connected to port: COM16 16:37:07	Machine version: R005	File version: R007		Ultrasonics.Steam.Ultraclean.

**G** The update file has been downloaded successfully from the Elma website and can now be installed on the machine by clicking on "*Start update*".

👼 Open		
C C C C C C C C C C C C C C C C C C C	solvex VA Tools	✓ ✓ ✓ Search Elmasolvex VA Tools
Organize 🔻 New	folder	II - 🗍 🔞
🔆 Favorites	A Name	Date modified Type
📃 Desktop	ElmasolvexVA_R007.bin	1/31/2017 5:08 AM BIN File
<ul> <li>Downloads</li> <li>Recent Places</li> <li>Libraries</li> <li>Documents</li> <li>Music</li> <li>Pictures</li> <li>Videos</li> </ul>	E	
Computer	III	
F	ile name: ElmasolvexVA_R007.bin	ElmaUpdate (*.bin)       H       Open       Cancel       .ii

If you do not have any internet access at the machine location, you can also open the update file manually.
 The current update file must be available on a data carrier for this.

Click on "*Open update file*". The dialogue shown above is displayed. Navigate to the storage location of the update file on your PC and open the file by clicking on "*Open*".



C       Update       Import/Export       Import/Export       Event Report         Elimasolvex® VA Update         Update         Update       Open update file       Start update         Open update file	
Update	
Update file is out-of-date The chosen update file is not more up-to-date than the version already installed. Do you want to install the update anyway? Ves No	
	Sina) cs.Steam.Ultraclean. 16:39:56

I The notification shown above is displayed if the software of your machine is newer than the one of the selected update file.

Important: Do not install older software on the machine.

🗟 Elmasolvex® VA Tools					
C Update Screen	Import/Export Levent	Report			
E	Imasolv	vex <sup>®</sup> VA	Updat	е	
	-				
	Update Open update file	Start update	Online update		
		J			
		Language			
	1			Ultrasonics. Stea	
Machine version: R006	File version: R006		Connected to port		09:23:10

J If the selected update file is newer than the software on the machine and the update file could be opened successfully, the software can be installed on the machine by clicking on "Start update".

Elmasolvex® VA Tools			
C Update			
E	Imasolve	x® VA Updat	te
	Update Open update file Status Status Status Do not switch or	Start update Online update	K
		nguage	<b>Elma</b> Ultrasonics Steam Ultraclean.
Machine version: R006	File version: R006	Connected to po	

**K** The machine must not be switched off or the connection to the computer interrupted while the update on the Elmasolvex VA is being performed. The progress of the update is shown using the green loading bar with percent indicator. The installation of the update can take a few minutes.

🐇 Elmasolvex® VA Tools		
C Update Scree	n 💽 Import/Export 🛕 Event Report	
	Up Do you want to upda Ensure that the mach connected to your co	odate Online update
Machine version: R005	Ele version: R007	Ultrasonics.Steam.Ultraclean. Connected to port: COM4 08:40:02

L The update has been performed successfully. The new software version of the Elmasolvex VA is shown at the bottom left of the screen.



If you would like to update another machine, follow the instructions and confirm with "Yes".

Elmasolvex® VA Tools	Import/Export Levent Rep	port		
E	Imasolve	ex® VA	Update	9
	Res Ok	Start update		Ema
Machine version: 8005	File version: 8007		Connected to part: C	Ultrasonics.Steam.Ultraclean.

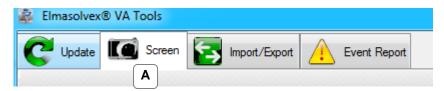
M The error notification shown above is displayed if any error has occurred during the update process. Power off the machine and restart. Check again whether the machine is connected to the PC via USB cable. Then you can perform the update again. Contact Elma Customer Service if the update cannot be installed.

Elmas	olvex® VA	Tools
	Welcome to Elmasolvex® \	VA Tools.
	Program Elmasolvex® VA Tools Version: R006 .NET Framework 4.0 Copyright(©) 2017 ELMA GMBH	Company: Elma Schmidbauer GmbH Gottlieb-Daimler-Str. 17 D-78224 Singen, Germany Tel. +49 (0)7731/882 0
	Contact: support@elma-ultrasonic.c	Homepage: .om www.elma-ultrasonic.com

**N** Clicking on the "*i*" next to the language selection shows you general information about the PC software and the contact details for Elma Schmidbauer GmbH.

#### **Recording screenshots**

This chapter explains how you can make a screenshot of the machine screen of the Elmasolvex VA.



A For this select the tab "Screen".

Elmasolvex® VA Tools		
C Update C Screen	Import/Export Levent Report	
£	Elmasolvex® VA Scr	reen
	ScreenBox	
	Control Upload ima Save Save as	
(	B i Laguage	Ultrasonics. Steam. Ultraclean.
Machine version: R006	Connected to port: COM15	09:37:18

**B** Clicking on *"Upload image"* transfers the current screen output of the machine to your computer.



👼 Elmasolvex® VA Tools		
C Update Screen	Import/Export	
E	Imasolvex® VA Screen	
	ScreenBox	
	Image could not be loaded!	
C	Control Upload Mage Save Save as	
		trasonics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM15	09:39:20

**C** An error message is output if any error occurs during the uploading of an image.

Check whether the machine is switched on and connected to the PC via USB cable. You can repeat the process by clicking on "Upload image" again.

Elmasolvex® VA Tools		
Screen		
E	lmasolvex® VA Scree	n
		_
	ScreenBox	
	Image is loading. Please wait 18 %	
	Control Upload image Save Save as	
	Upload image Save Save as	
	Language	
		<b>Elma</b>
		Ultrasonics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM15	09:41:02

**D** The PC software shows the progress using a loading bar with percent indicator while the image is being downloaded from the machine.



**E** The image has been transferred successfully to your PC. The image can now be saved on your computer.

👼 Save As		×
😋 🔾 🗢 📕 🕨 Elmasolvex VA Screen	✓ ✓ Search Elmasolvex VA Screen	٩
Organize 🔻 New folder	8== -	?
★ Favorites ▲ Name	Date modified Type	
E Desktop Downloads Secent Places E	No items match your search.	
<ul> <li>□ Libraries</li> <li>□ Documents</li> <li>→ Music</li> <li>□ Pictures</li> <li>□ Videos</li> </ul>		
Computer	m	- F
File name: screenshot_001		•
Save as type: Bitmap (*.bmp)		-
Hide Folders	<b>F</b> Save Cancel	

**F** By clicking on "Save as", the loaded image preview can be saved as a bitmap file (\*.bmp) at any location on the computer.

The PC software allocates a file name with an index by default, i.e. this index is incremented by one for each further saved image.

You can optionally use the file name proposed by the PC software or any own file name.





**G** Click on "Upload image" again to update the image preview in the PC software. The current screen of the machine is loaded into the PC

software and can be saved.

## 4.3 Managing cleaning programs

This chapter explains the following functions of the PC software:

- Backup of created cleaning programs of the watch cleaning machine to a computer
- Transfer of saved cleaning programs from a computer to a watch cleaning machine
- Deletion of created cleaning programs from the watch cleaning machine



A For this select the tab "*Import/Export*".

#### 4.3.1 Reading programs from the machine

Follow the instructions on the following pages if you would like to backup one or more cleaning programs located on the Elmasolvex VA to a computer.

Read program from the machine	Write program to the machine	1	Delete program
В			

**B** Select the tab "*Read program from the machine*".





**C** In the tab *"Read program from the machine*" the cleaning programs which are available on your machine are displayed. The cleaning programs highlighted in blue are standard programs which are installed on the Elmasolvex VA at the time of delivery. If additional cleaning programs created by the user are available on the machine, these are highlighted in green.

🔹 Elmasolvex® VA Tools		X
CUpdate Screen	mport/Export Livent Report	
	Elmasolvex® VA Imex	
	Program Select List	
	Choose a Program	
	Select all Program Name Status	
	✓     Standard       ✓     Short       ✓     Intensive	
	Select folder to store Save C:\Users\Public\Documents\Elmasolvex VA Tools	
	Language	Sina) s. Steam. Ultraclean.
Machine version: R006	Connected to port: COM15	11:52:36

**D** All available programs are selected by clicking on "Select all". All selections are removed by clicking on the same checkbox again.



**E** Alternatively, individual programs can also be selected by clicking on the respective checkbox next to the program name.

😹 Elmasolvex® VA Tools		
C Update C Screen	Import/Export Event Report	
	Elmasolvex <sup>®</sup> VA 1	
	Program Select List	
	Choose a Program	Status
	Seect all Frogram Name Short Intensive	
A I	Select folder to store C:\Users\Public\Documents\Elmasolvex VA Tools	Save
	Language	Ultrasonics. Steam. Ultraclean.
Machine version: R006	Connected to port: COM10	14:10:55

**F** By default programs are saved in the displayed path. To change the storage location, click on the folder icon on the right next to the displayed storage path and select the required storage location.





**G** After selecting one or more programs, you can transfer the programs to your computer and save them there by clicking on *"Save"*.

Elmasolvex® VA Tools		
CUpdate I Screen	Impot/Expot Event Report	
	Elmasolvex <sup>®</sup> VA Imex	n
	Choose a Program Choose a Program Select all Status Standard Short Intensive	
	Select folder to store C:\Users\Public\Documents\Elmasolvex VA Tools	
Machine version: R006	Connected to port: COM10	ics.Steam.Ultraclean.

**H** A green tick is displayed on the right next to the program if the program has been saved successfully on the computer.

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Intensive.prg	5/12/2015 12:01 AM	PRG File	1 KB
Short.prg	5/12/2015 12:01 AM	PRG File	1 KB
Standard.prg	5/12/2015 12:01 AM		1 KB

I The saved programs on your computer are stored with the same name with which they are displayed on the Elmasolvex VA.

All saved cleaning programs have the ".*prg*" file extension, so they are identified as cleaning programs.

👼 Elmasolvex® VA Tools		
C Update Screen	Import/Export Livent Report	
	Elmasolvex <sup>®</sup> VA	
	Program Select Lis	st
	Select all Program Name	Status
		Status
	Standard	× J
	Short	
	Intensive	
A 1		~
	Select folder to store	Save
	C:\Users\Public\Documents\Elmasolvex VA Tools	-
		Ultrasonics. Steam. Ultraclean.
Machine version: R006	Connected to port: COM10	) 14:16:32

J If the saving process has been cancelled or could not be performed successfully, a red X is displayed on the right next to the selected program.

In the case of any errors, check whether the machine is switched on and connected to the computer via USB cable. Then restart the process.



### 4.3.2 Adding new programs

To retransfer cleaning programs that have been saved on a computer as described in chapter 4.3.1 to any Elmasolvex VA, proceed as described on the following pages.

Please note that the standard cleaning programmes highlighted in blue cannot be retransferred as they are write-protected.

Read program from the machine	Write program to the machine	1	Delete program
	Α		

A First click on the tab "*Import/Export*" in the main menu and select the tab "*Write program to the machine*" there

🞄 Elmasolvex® VA Tools		
CUpdate Screen Screen Im	port/Export Livent Report	
E	Imasolvex® VA	Imex
	Read program from the machine	to the machine Delete program
	Program Select Li	
	Choose a Program	
	Program Name	Status
	🕀 add new program	A
	Standard	
	Short	
	Intensive	
		-
		Write
		Ultrasonics. Steam. Ultraclean.
Machine version: R006	Connected to port: COM10	14:18:08

**B** In the tab *"Write program to the machine"*, new programs can be transferred to the machine or existing programs can be overwritten.

A new program can be added by clicking on the plus symbol in the field "add new program".

🔍 🗢 📗 🕨 Use	rPrograme	✓ ✓ Search UserPrograme	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Organize 🔻 Nev	v folder		?
🔆 Favorites	▲ Name	Date modified Type	
🧮 Desktop	CLEANING 1.prg	8/20/2014 5:03 AM PRG File	
鷆 Downloads	CLEANING 2.prg	8/20/2014 5:03 AM PRG File	
📃 Recent Places	PRE-CLEANING 1.prg	8/20/2014 5:03 AM PRG File	
	PRE-CLEANING 2.prg	8/20/2014 5:03 AM PRG File	
🥽 Libraries	PROGRAMME1.prg	1/17/2014 6:11 AM PRG File	
Documents	PROGRAMME2.prg	1/17/2014 6:04 AM PRG File	
J Music	Standard.prg	8/25/2014 3:57 AM PRG File	
Pictures			
📑 Videos			
🖳 Computer			
🕌 Local Disk (C:)			
<b>A</b>		1	
	File name: CLEANING 1.prg	Program (*.prg)	•
			_

**C** Select the required program and open it.

😹 Elmasolvex® VA Tools		
CUpdate C Screen	Import/Export Event Report	
	Elmasolvex® VA I	mex
	Read program from the machine Write program to the machine	schine Delete program
	Program Select List	
		atus
	CLEANING1	
	add new program	
	Standard	
	Short	
	Intensive	
A 2		÷
		Write
	Language	Elma
	-	Ultrasonics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM10	14:20:55

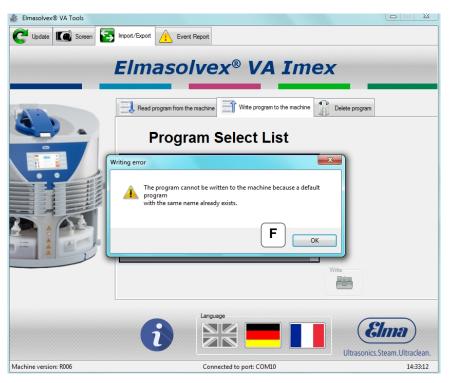
**D** The added cleaning program can now be transferred from the computer to your machine by clicking on *"Write"*.



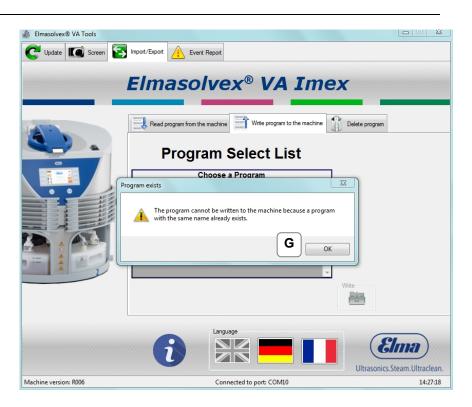
Elmasolvex® VA Tools			
CUpdate Screen Screen Import/E	xport Levent Report		
Fli	masolvex® VA	Tme	Y
LII	nasolvex vr		
			0000
	Read program from the machine	to the machine	Delete program
	Dreaman Cale of L	-	
	Program Select L	IST	
	Choose a Program		1
	Program Name	Status	1
E	CLEANING1	~	1
	add new program		
	Standard		
	Short		
	Intensive		
		~	
			Write
	Language		
			<b>(Elma)</b>
			Ultrasonics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM	LO	14:22:38

**E** If the cleaning program has been transferred successfully, a grey circle with white plus sign is displayed next to the transferred program.

You can transfer further cleaning programs by repeating the above steps.



**F** Please note that the standard cleaning programmes highlighted in blue cannot be retransferred as they are write-protected.



**G** Cleaning programs with the same name cannot be transferred to the machine. If you would like to replace a program with the same name, this must be deleted previously (see also chapter 4.3.3).

Elmasolvex® VA Tools			— — X
C Update Screen Screen	/Export Event Report		
_			
El	masolvex <sup>®</sup> VA	Ime	ex
			2
	, Read program from the machine Write program to	the machine	Delete program
	Program Select Lis	st	
-			
	Choose a Program		
	Program Name	Status	
		^	
	Standard		
	Short		
	Intensive		
A 2		-	
			Write
	Language		
			Elmo
			Gilla
			Ultrasonics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM10		14:34:28

**H** To overwrite an existing program, click on the plus sign next to the program you want to overwrite and select a new one.





I Follow the instructions and confirm with "Yes".

Elmasolvex® VA Tools			
C Update Screen	Import/Export		
	Elmasolvex® VA	Tme	9Y
	Read program from the machine Write program	n to the machine	Delete program
	Program Select L	ist	_
	Choose a Program		]
	Program Name	Status	
	PRE-CLEANING1	· · · · · · · · · · · · · · · · · · ·	
	add new program		
	Standard		
	Short		
	Intensive		
A 2		-	
			Write J
			Elma
			Ultrasonics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM	10	14:37:02

J Click on "Write". Now the old cleaning program is overwritten by the new program.



**K** The old program has been replaced successfully by the new program.



## 4.3.3 Deleting programs

You can use the Elmasolvex VA Tools PC software to delete cleaning programs from an Elmasolvex VA.

Read program from the machine	Write	e program to the machine	Delete program
			Α

A Click on the tab "*Import/Export*" in the main menu and select the tab "*Delete program*".

🞄 Elmasolvex® VA Tools			
C Update Screen	Import/Export Event Report		
	Elmasolvex <sup>®</sup> V	ram to the machine	ram
-			
	Choose a Program		
	Select all Program Name	Status	
	CLEANING1	<b>^</b>	
	Standard		
	Short		
	Intensive		
A 1		~	
		Delete	
L			
	Language		
			<b>Elma</b>
		Ultrasc	onics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM	/4	2:09:22 AM

**B** In the tab *"Delete program*", you can select cleaning programs that you would like to remove from your machine and deleted them.

All existing cleaning programs located on the machine are displayed in the PC software.

The standard cleaning programs highlighted in blue cannot be deleted as they are write protected. Therefore, for these programs no check box is displayed.

💰 Elmasolvex® VA Tools			
C Update Screen Screen	Export Event Report		
		_	
El	masolvex® VA	Ime	ex
	Read program from the machine Write program t	o the machine	Delete program
	D	- 4	
•	Program Select Li	st	
	Choose a Program		
C 🕁	Select all Program Name	Status	
	CLEANING1	*	
	Standard		
	Short		
	Intensive		
		Ŧ	
			Delete
	Language		Class
		8	GIIIA
			Ultrasonics. Steam. Ultraclean.
Machine version: R006	Connected to port: COM4		2:10:02 AM

**C** All programs that can be deleted, i.e. all programs that are not standard programs, are selected by clicking on "Select all".

All selections are removed by clicking on the same checkbox again.

👼 Elmasolvex® VA Tools		
CUpdate Screen	Import/Export Levent Report	
	Elmasolvex <sup>®</sup> VA	Imex
	Read program from the machine Write program to t	he machine Delete program
	Program Select Lis	t
	Choose a Program	
	Select all Program Name	Status
	CLEANING1	<b>^</b>
	Standard Short	
	Intensive	
	intensive	
		-
		Delete
		<b>Elma</b>
		Ultrasonics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM4	2:10:28 AM

**D** Alternatively, individual programs can be selected by clicking on the respective checkbox next to the program name.



💰 Elmasolvex® VA Tools			
C Update Screen	Import/Export Event Report		
1	Elmasolvex® VA	Ime	X
	Read program from the machine	to the machine	Delete program
	Program Select L	ist	
	Choose a Program		
	Select all Program Name	Status	
• •		Status	
	CLEANING1	^ ^	
	Standard		
	Short		
	Intensive		
- 2		~	
			E
			<b>Elma</b>
			Ultrasonics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM4		2:10:53 AM

E After selecting the cleaning programs, click on "Delete".

💰 Elmasolvex® VA Tools		
C Update C Screen	Import/Export Levent Report	
	Elmasolvex® VA Imex	
٤.	Read program from the machine Write program to the machine Delete program Select List	jram
	Delete program       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the machine?       Image: Constraint of the program permanently from the program permanently from the program permanently from the permanent perma	
	Language	Elma onics.Steam.Ultraclean.
Machine version: R006	Connected to port: COM4	2:11:29 AM

**F** Click on "Yes" to delete all selected programs from your machine. They are irrevocably removed from the Elmasolvex VA.

## 4.4 Retrieving the machine event report

The menu of the Elmasolvex VA has an option to display a socalled "event report". This event report shows all status and error messages chronologically that have occurred during operation of the cleaning machine. You can either retrieve and view this list at your machine or transfer the entire list to your computer using the PC software.

Furthermore, you have the possibility to create a PDF file of the event report.

If necessary, you can send this PDF file to the manufacturer in the event of problems with your machine.

This chapter explains how you can read out and save the event report using the PC software.



A Select the tab "*Event Report*" for this.

😹 Elmasolvex® VA Tools				
C Update Screen	Import/Export	Event Report		
EIM	asolve	x <sup>®</sup> VA Eve	nt Report	
	Event list			
	Item Date Time Date		Step	Cycle
-				
			_	_
			E	
	Select folder to store	cuments\Elmasolvex VA Tools\Even	Read	File
	2. (00010 0 0000 000			
		Language		-
	63			lma )
			Ultrasonics.	Steam.Ultraclean.
Machine version: R006		Connected to port: COM15		09:50:29

**B** Click on "Read" to transfer the event report of your machine to your computer.



💰 Elmasolvex® VA Tools				X
CUpdate C Screen	S Import/Export	vent Report		
EIn		x® VA Eve	nt Repo	rt
٤.	Event list Item Date Time Date	of Event Description Number	Step	Cycle
	No Error	here are no error events on the machi	ne.	
	Select folder to store C:\Users\Public\Doc	uments\Emasolvex VA Tools\Even	t-Reports	Read File
	i	Language	Ultras	Elma onics.Steam.Ultraclean.
Machine version: R006		Connected to port: COM15		09:51:41

**C** The above notification is displayed if there are no status or error events on your machine.

Elmasolvex® VA Tools	-	Event R	· _	A Event	Repoi	t
٤.	Event list: tem Date 2 28.02.201 1 28.02.201		Event Number 220 203	Description Antrieb MWV defekt Temperatur Messung def	Step -	Cycle 15 15
	Select folder to s		ts\Emaso	Ivex VA Tools\Event-Repo	rts	Read File PDF
	6		Language		Ultraso	Elma nics.Steam.Ultraclean
Machine version: R006			Connec	ted to port: COM15		09:54:12

**D** If status and error events are available on your machine, they are displayed chronologically in a table. The latest event is at the top and the oldest event is at the bottom.

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Elmasolvex® VA Tools							
			Event Re				
C Update Scr	een 💽 Impo	rt/Export	Event Re	epon			
_			6			_	
E	Imas	50 <b>I</b> V	'ex "	V/	<b>4</b> Event	Rep	ort
	-						
	Eve	nt list:	Time of	Event			
	Item	Date	Date	Number	Description	Step	Cycle
	2	28.02.2017	08:37:03	220	Antrieb MWV defekt	-	15
	1	28.02.2017	08:36:41	203	Temperatur Messung def	-	15
40 444		t folder to stor Users\Public	-	s\⊟maso	vex VA Tools\Event-Repo	erts	Read Fie
		fi		Language			Elma trasonics.Steam.Ultraclean.
Machine version: R006				C	ed to port: COM15		09:55:18

**E** Now you have the possibility to save the event report on your computer as a PDF file.

The event report is saved in the displayed path by default. If the storage location should be changed, then click on the folder icon on the right next to the displayed storage path and select the required storage location.

Elmasolvex® VA Tools		ort/Export	Event Re	· _	A Event	Repo	rt
		ent list:			_	_	_
	ltem	Date	Time of Date	Event Number	Description	Step	Cycle
	2	28.02.2017	08:37:03	220	Antrieb MWV defekt	-	15
	1	28.02.2017	08:36:41	203	Temperatur Messung def	-	15
		ect folder to stor		s\Emaso	Ivex VA Tools\Event-Repo	rts 🔚	Fie Fie
				Language			
		i				Ultra	Elma sonics.Steam.Ultraclean

**F** Click on the icon with the name "PDF" to create the event report as a PDF file.



#### The following dialogue opens.

Contact		X
Elmasolve	X® VA	Tools
Contact Information Please enter your contact information.		
Data privacy The personal data below are collected, processed the purpose of generating the Error Report and of by the Technical Support of Elma Schmidbauer Gr	evaluating and pr	
Company Name:		
Address		Street Number:
City:	Postal Code:	
Country:		
Media tanks	2	select medium
3 select medium	4	select medium
Machine Serial Number: 000000000	Activated ca	rbon unit Select
		OK Cancel

**G** It is necessary to fill in the above contact details so that the created event report can be uniquely assigned to a customer and the respective Elmasolvex VA.

Starting from the machine software version *R006*, the serial number of the Elmasolvex VA is retrieved from the machine automatically and entered in the form.

ntact Info	mation		
Please ent	er your contact information.		2 🔜
Data privad	TV		
The persor the purpos	nal data below are collected, processed e of generating the Error Report and of Innical Support of Elma Schmidbauer G	evaluating and pr	
Company			
Name:	Samplecompany		
Address			
Street	Samplestreet		Street Number:
City:	Sampletown	Postal Code:	77777
Country:	Great Britain		
Media tank	S		
1	elma wf pro 🔹	2	elma suprol pro 🔻
3	elma suprol pro 🔹	4	elma wf pro 🔻
Machine		Activated ca	rbon unit
	ber: 00000000	Canada and C	Filter is not used.

**H** The PDF document cannot be created if you have not filled in every field. In this case, complete your entries.



Contact			×
	Elmasolve	x® VA	Tools
Contact Infor	nation ryour contact information.		
Flease ente	your contact momation.		
- Data privacy	y al data below are collected, processed	used and stored	solely and evolusively for
the purpose	e of generating the Error Report and of nnical Support of Elma Schmidbauer G	evaluating and pro	
Company			
Name:	Samplecompany		
Address			
Street	Samplestreet		Street Number: 7
City:	Sampletown	Postal Code:	77777
Country:	Great Britain		
Media tanks	1		
1	elma wf pro 🔻	2	elma suprol pro 🔻
	elma suprol pro 🔻		other
3		4	elma wf pro 2
Machine		Activated car	bon unit
Serial Numb	per: 00000000		Filter is not used.
		Ι	OK 😓 Cancel

I If all fields are filled in correctly, the event report can be created as a PDF file by clicking on "*OK*".

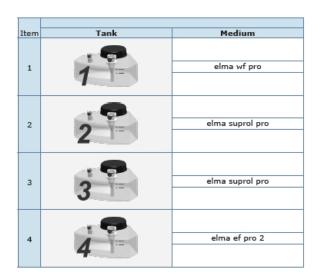
If the PDF file has been created successfully and a PDF reader is installed on the computer, the document opens automatically.



Product: Elmasolvex VA

Software version: R008rc1 Serial number: 100045044 Date: 02.08.2017

1. Media Tanks:



### 2. Activated Carbon Unit:

Item	Activated Carbon Unit	Status
1		Filter is not used.

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## 3. Operating Hours / Operating Cycles: <u>3.1 Operating Hours</u>

Item	Component	Hours
1		
1	Vacuum pump	2h:7min
2		
2	Basket rotation	0h:25min
3		
3	Basket spinning	0h:11min
4	Ultrasonic	1h:35min
-		
5	Heating	0h:27min
6	Overall	11h:56min

#### 3.2 Operating Cycles

Item	Component	Cycles
1	Vacuum valve	513
2		
2	Aerate valve	164
3		
3	Aerate valve 2	385
4	Multi-way valve	306
-		
5	Overall cleaning cycles	14

# Elmasolvex® VA System Report



Ultrasonics.Steam.Ultraclean.

Item	Parameter	Value		
1	Filling anothing 4	7746ms		
	Filling position 1	7746ms		
2	Draining position 1	27862ms		
3	Create vacuum with liquid position 1	6504ms		
4	Create vacuum without liquid position 1	29413ms		
5	Slow aerating position 1	1181ms		
6	Fast aerating position 1	1000ms		
7	Maximum aerating position 1	0s		
8	Filling position 2	9465ms		
9				
10	Draining position 2	28450ms		
	Create vacuum with liquid position 2	7288ms		
11	Create vacuum without liquid position 2	26989ms		
12	Slow aerating position 2	2000ms		
13	Fast aerating position 2	1000ms		
14	Maximum aerating position 2	0s		
15	Filling position 3	9590ms		
16	Draining position 3	27225ms		
17	Create vacuum with liquid position 3	7938ms		
18	Create vacuum without liquid position 3			
19		27763ms		
	Slow aerating position 3	1925ms		
20	Fast aerating position 3	1000ms		
21	Maximum aerating position 3	0s		
22	Filling position 4	9640ms		
23	Draining position 4	13550ms		
24	Create vacuum with liquid position 4	7688ms		
25	Create vacuum without liquid position 4	27266ms		
26				
	Slow aerating position 4	1075ms		
27	Fast aerating position 4	1000ms		

## 4. Device Specific Parameters

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⊾



## Elmasolvex® VA System Report



Ultrasonics.Steam.Ultraclean.

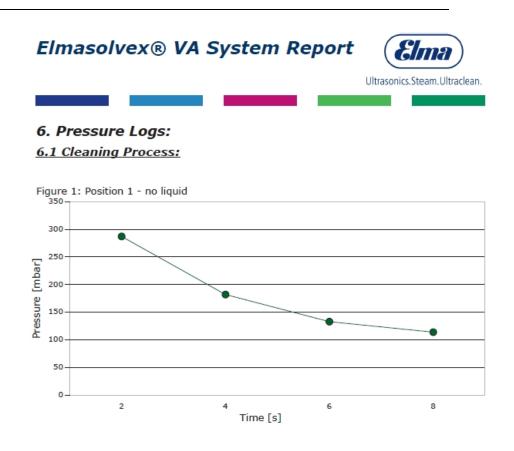
Item	Parameter	Value
28	Maximum aerating position 4	0s
29	Gradient VAK1	0s
30		
	Leak-tightness VAK1	0s
31	Slow aerate VAK1	0s
32	Maximum vacuum VAK1	Ombar
33	Gradient VAK2	0s
34	Leak-tightness VAK2	0s
35	Slow aerate VAK2	0s
36		
37	Maximum vacuum VAK2	0mbar
	Multi-way valve move	1000ms
38	Short vacuum / aerate	5730ms
39	MWV offset	7036

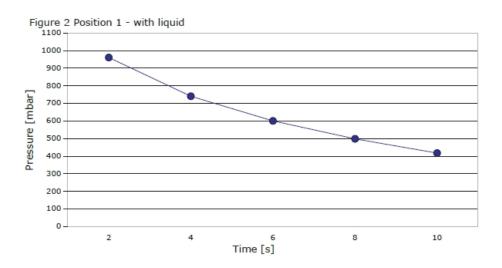
### 5. Event List:

Item	Date	Time of Date	Event Number	Description	Step	Cycle		
=								
5	08.01.2017	11:15:46	181	temperature measure	Drying,2	11		
4	-	00:24:22	278	Communication memory c	n/a,255	11		
3								
3	-	13:53:24	278	Communication memory c	n/a,255	11		
2								
2	08.01.2017	10:31:36	283	5-year service required!	n/a,255	11		
-								
1	08.01.2017	10:31:24	300	Software update	n/a,255	11		

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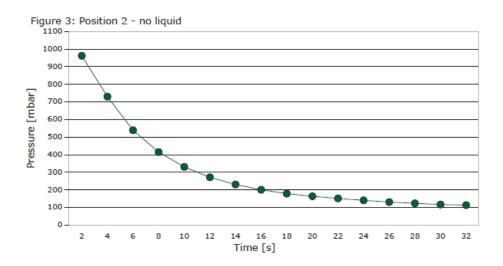
© Elma Schmidbauer GmbH

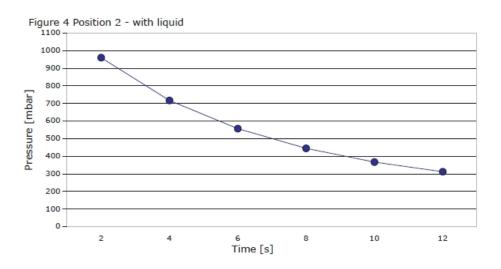




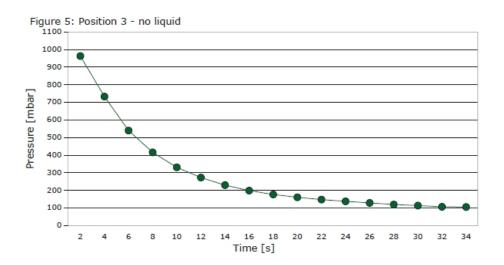


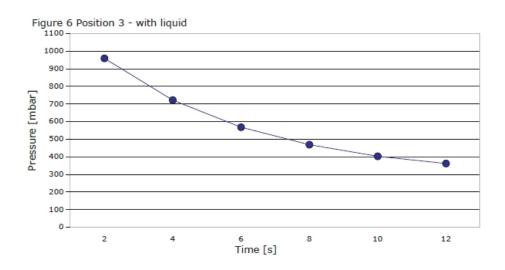






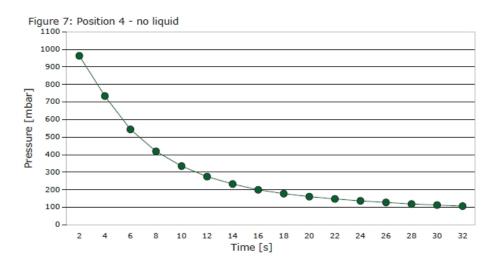


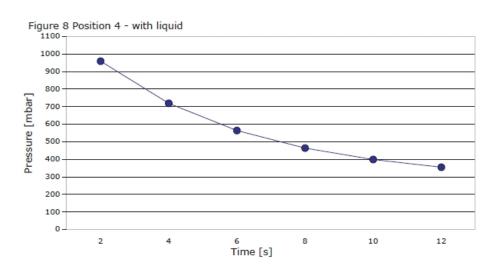


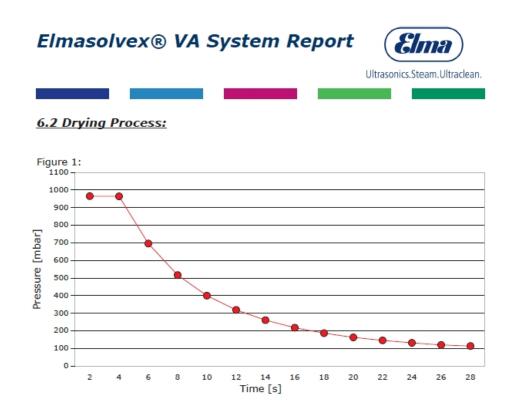




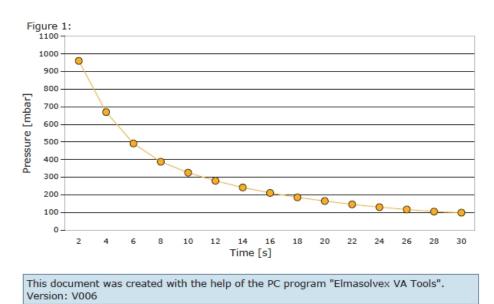












J The above screenshot shows the created PDF file of the event report.

Now you can print and/or save the PDF document.



# Manufacturer address/contact address

### Elma Schmidbauer GmbH

Gottlieb-Daimler-Str. 17, D-78224 Singen Tel (head office) +49 (0) 7731 / 882-0 Fax (head office) +49 (0) 7731 / 882-266 <u>info@elma-ultrasonic.com</u>

www.elma-ultrasonic.com

Do you have any questions or comments about this device, its operation or the operating instructions? Please feel free to contact us at any time:

## **Technical Support**

Tel +49 (0) 7731 / 882-280 Fax +49 (0) 7731 / 882-266 <u>support@elma-ultrasonic.com</u>