

Introductory word

New trends and customer needs apply pressure on constant technical development of devices, especially on software modifications that are very specific due to the diverse specialization and use of our devices. This newsletter intends to provide the service technicians with information about changes performed and, at the same time, to maintain mutual service communication between and among the service centres of BMT Medical Technology s.r.o. and its subsidiary companies.

As a new Service Department Manager, I would like to maintain this mutual communication in form of a newsletter at least. The newsletter will be published twice in a year in cooperation with the construction



and service department. At the same time, it should also provide space for your questions or comments. You can send them to servis@bmt.cz. We of course cannot guarantee answers and reactions to all your questions but we will choose from the most interesting ones

Ing. Zdeněk Foret, Ph.D.

Sterivap HP / Unisteri HP – Supporting software

Our service technicians and some customers have been familiar with and have been using for years already the supporting BMT software group for Sterivap HP and Unisteri HP sterilizers. We would like to inform you about the last innovations; the software has been improved and new functions have been added.

Let's remind the software involved: Loader, Movex (Uniconfig), PrinterArchiv, and AuditReader. The software runs in a PC which is connected to the control panel of the sterilizers through a standard interface. Now, the individual products communication with the control unit has been unified. It is especially important to mention the connection possibilities enlargement. USB (device) and Ethernet (in local network) can now be used in addition to the original RS232. The most important new features then include SD card support that can be integrated optionally in the newest line of Sterivap HP and Unisteri HP sterilizers. (As a standard, 4 GB SD card is supplied.) Loader is a tool used originally by service technicians to firmware download in the automatics.

The latest version V9.5 provides a number of tools for device setting and diagnostics, such as configuration and setting backup, operative backup of movex data, and memory regions reading including SD card.

🖀 🔲 🧟 💭 Backup configuration + setup 🛐 Backup movex programs	Ctrl+F Ctrl+M	ersion:>=3	• cgUDP: 192.16	8.51.48]]		
Start dov	Ctrl+B Ctrl+N	ent process s ady	status:	Block 0	Bytes left <mark>0</mark>		e
Close Upload/Set time	Ctrl+T Ctrl+A Ctrl+U	haining time o	f the current proc.	0	Speed	<mark>0 B/s</mark>	
Process list C Upload device state	Ctrl+S	CRC16:	Elapsed time	Status	Size:	Bytes left	
🖃 🔽 🔽 Vp s A 🔍 Upload events	Ctrl+E				1479296		
AH		0x170E	0:00:00	Ready	698624	698624	
— 🗹 L н 🙁 Stop		0x5429	0:00:00	Ready	259200	259200	
A Siv.fls AG2		0x8DCA	0:00:00	Ready	81280	81280	
A Beke.fls AGS		0x7C78 0x8760	0:00:00	Ready Ready	180992 259200	180992 259200	
Process representation						Clear	
File: D:\Proj_IAR\SP_HP\V							
File: D:\Proj_IAR\SP_HP\V					ng.fls		
File: D:\Proj IAR\SP HP\V121\Slv\Release\Exe\Slv.fls							
File: D:\Proj_IAR\SP_HP\V	121\в	ckC\rel	ease\Exe\	Bckc.f	ls		
File: D:\Proj IAR\SP HP\V	121\в	ckCLng\	Release\E	xe\Bck	cLng.fls	3	
File: D:\Proj IAR\SP HP\V	121\v	psAll.f	lu				
		ersion:>=3	Date:		CRC1	6	
aUDP: 192.168.51.48 Disconnected	Bios ve						

Movex (Uniconfig) is a well-known product for work with the process data (cycles – sterilization, vacuum test, ...).

The latest device line uses Movex3 V3.5 with a revised design allowing work in equal environment both on the device panel and PC display. Function for saving the device movex data backup on a PC disk has been added to archive the data documenting the default setting in the production plant.

😬 Movex3 - [SPHP Universal ster	r: D:\Proj_IAR\	Movex3\Programy\R474232_mov3p	prog_SPHP_V16\Programy	SPHP_00_ CZ\PROGRAM	(Y 🔳 🗆 🗙
M File Download Setup Window	/s Help				_ 8 ×
<u></u>	ascade				
Programslot Auto Downlo 🛄 Til	tle vertical	ps Tree			Reset units
	tle horizontal spořádat	Program	n Sterivap	HP	
!	sporadat inimize all		Param values	Units	
		ondensate drain within heating up		Seconds	
		condensate drain within heating up		0.1s	
		time of heating up	1800.000	Seconds	
Turbo heating overshoot			OFF	.	
Exposition			Reaching of temperature and p		
♂ Sterilizai ♂ Tempera ♂ Tempera		ion time / Parameter Fo	1200.000 (0.000, 11200.000)		
		ion temperature	121.000 (118.000, 122.000) (,	
		ture correction	.900	*C	
		ture overrun	.300	°C	
Time of condensate drain within sterilization 8.0			8.000	Seconds	
Time of condensate drain within sterilization 2.0			2.000	0.1s	
Relieving into atmosphere - initial p 🔋 Switch: Time controlled relieving - initial par 🕅				🤟 ···	
J	Not Time our	trallad raliavina - sativa tima	1 000	Canada	_
■ ■	02_Universal.stc 03_UniversalKo 04_Guma.ste (S 0_05_BowieDickT 0_06_VakTest1_si 0_06_VakTest2_E 0_07_NastrojeRyc	s (Sterivap HP) notoreos ta (Sterivap HP) terivap HP) test ste (Sterivap HP) Nadard, vac (Sterivap HP) NS65 vac (Sterivap HP) Nels ste (Sterivap HP)			
Display: none Ready	Comp	lete 0%	Row: 1 S	terivap HP · Template version: `	176 📕 🏼 🦯
Movex (Uniconfig)					

PrinterArchiv was designed originally as customer software for printer simulation avoiding printing and archiving of many papers documenting the cycle course. Instead of it, the archiving data were saved on a PC disk. The latest innovations include comfortable graphs display in vector graphics and advanced work with files - coming at an early date.



AuditReader is the latest of the supporting software line profiting on the large-capacity data storage - SD card in the device. AuditReader is a customer software; it works with data for the Audit Trail function. It allows finding the required events comfortably in the device operation history.

BMTAuditReader -	[New.trl] atup Windows Help				_ 🗆 🗙 _ 🗗 🗡
	2 诸 🖻 🕂	in the second se	908	•	
Find records	Read Selected	Audit information Serial number 80	Filters Set		
From date	1. srpna 2011 💌		5.9.2011 E Filterin		Change Filters
To date	26. září 2011 💌	Audit Trail 26:00		0	
Audit Trail 26:09:2011 13:29:08 Sterives PF(0000000) Subject Part 2011 Audit Trail 26:09:2011 13:29:08 Device: Sterivap HP, Serial number: 00080808 Applied filters: No filters Term: 16:08:2011					08
		Audit from	the day:	[16:08:20	11]
		00000001. vyvoj [16/00 number: 80808, Aplicat (Crc16 0x9C8C) 0000002. vyvoj [16/0 Sterilizator Sterivap HF Application version: ver DxFA37(0x71CF)	ion ver: 120.8 (Crc Select audit by th Reading mode One day	16 0xFA37), Bios ve	
Number of readed record	ls: 2 (4 kB)	Language 1: VnsMitMst	From date	16. srpna 2011	·
File Opened c:\00080808\\Year2011\\ File length: 24408 File closed. Record read successfuly Disconnected cgUDP: TS Find			Time filter	Bead a	
	Dimensi	ected caUDP: 192.168.51.48		Cance	<u>السبب</u>
J	Disconn	ected cguium: 132.168.51.48	,		
AuditReader					

STERIVAP HP - new version of an integrated steam generator

Within unification of BMT and MMM construction units, the integrated steam generator in STERIVAP HP line of steam sterilizers has been innovated. The change implementation has started in September and will be gradually extended to other device types as well.

The new pressure vessel concept removed the expensive cover with a flange. The construction uses arched bottom and as a whole, it is simpler, which brings lower weight and reduced production cost.



New version of an integrated steam generator for STERIVAP HP

The generator is equipped with a modern type of compact vibrating level indicators Liquiphant T FTL20. The order number of the new component named "LIQUIPHANT T FTL20 N" is 010085038.



Demineralized water storage tank has also been changed. It is now equipped with a more reliable solenoid inlet valve. The equipment for the generator inlet water degassing has also been simplified: Complicated and expensive separating wall has been removed.

The innovated generator is compatible with the software version V119 and up.

The new software version is able to cooperate with the older type of steam generator.