BULLETIN

Technical newsletter of BMT Medical Technology s.r.o.

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New Line of Steam Sterilizers STERIVAP® SL

Based on requirements regarding development of a new economic version of a large steam sterilizer in narrow version, the new STERIVAP® SL line has been developed.

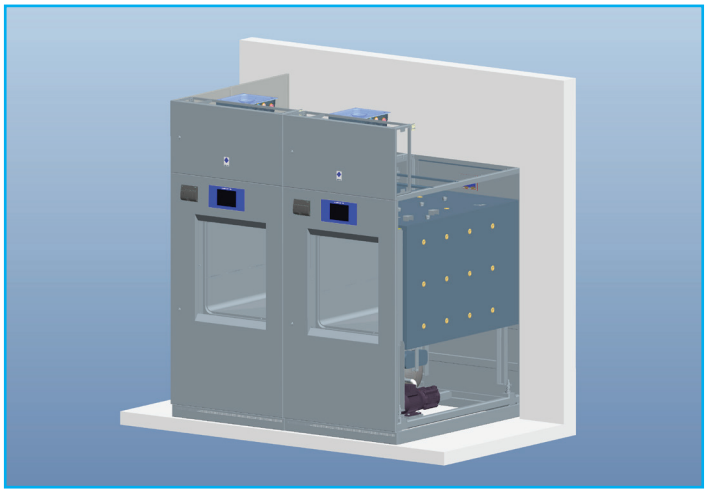
The STERIVAP® SL line contains the following chamber sizes with standard built-in electric steam generator:

STERIVAP® SL	Input Power	Chamber Volume
636	15 kW	160 l
666	22,5kW	320 l
669	36kW	450 l
6612	45kW (36kW)	610 l
6612	45kW (36kW)	610 l

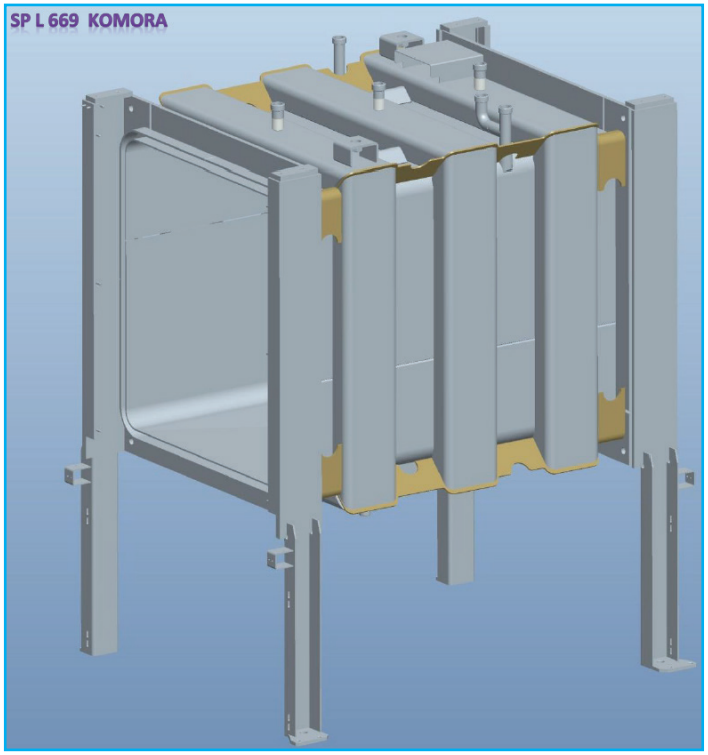
The sterilizers are designed as simple and economic, but high-quality products with possibility of individual units manufacture on stock so as it is possible to reduce production costs and provide shorter delivery terms.

Technical level allowed trouble-free fulfilment of standards within the scope of type tests of the device. The sterilizer concept supposes service from the front side. That means that the devices may be placed directly one next to the other, without necessity of any side service space. Considering even the sterilizer width of 995mm, it is possible to suppose maximal use of the space for building it up.

The two-door devices may be ordered – on the unloading side – in version without upper front lining panel. In this version, there is significantly reduced the exposed height on the unloading side.



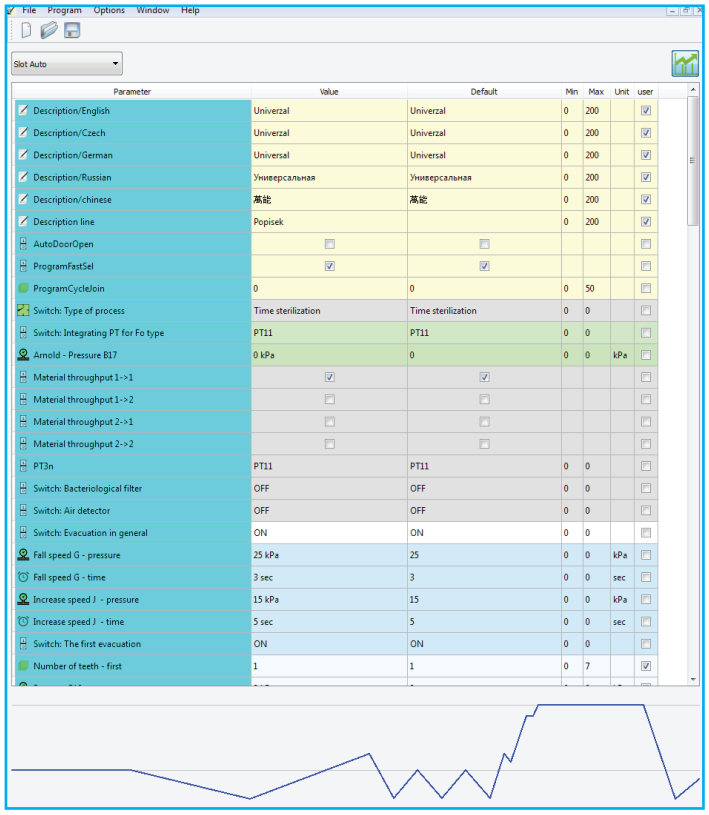
The device STERIVAP® SL uses experience of BMT in steam sterilizers' construction and it has many common elements and solutions. On the other hand, it contains even some technical news. As an example it is possible to state new automatics, changes in programs control, the winding drum of the door safety ledge cable is replaced with a more reliable cable cover. There is a new solution of condensate exhaust and steam pressure release from the chamber, without using standard condenser separator. There is also new construction of the sterilization chamber without side necks and with longer fatigue life. Status indication by light LED ledge. The devices are equipped with detachable upper part of the device for transport purposes and a distributor with preparation for tilting. The devices contain e.g. more economic tube connections.



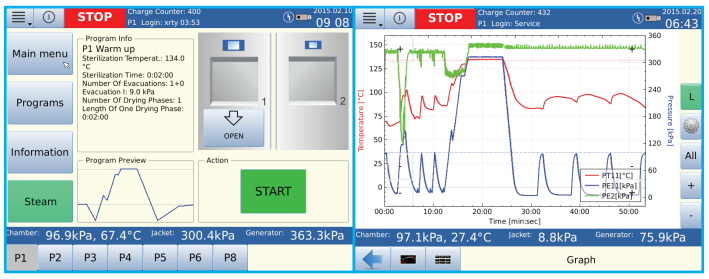
The complete line of vertical devices STERIVAP® SL uses maximum of common elements and parts (for example door closures, pneumatic valves, level indicators, temperature and pressure sensors).
The STERIVAP® SL line is equipped with two types of two-level exhausters and desk heat exchangers:

STERIVAP® SL	Exhauster
636	SPECK VZ30
666	SPECK VZ30
669	SPECK VZ50
6612	SPECK VZ50

The new and modern automatics of BMT operates on the platform with operation system Linux and processor ARM Cortex™-A8, 800 Mhz. Development and modification of sterilization programs are used by the new MOVEX4.



The new developed firmware has new design and many traditional and new elements.



Other STERIVAP® SL news will be presented in detail within the scope of planned training courses.

What Is Hidden in Laboratory Ovens and Incubators Serial Numbers

E 150756
Letter meaning – see the table

-	VENTICELL® IL since 2011
B	STANDARD with mechanic thermostat (wheel at the smile)
C	KOMFORT
D	STANDARD B2V
E	CLIMACELL® MTV with pressure generator FRIOCELL®, VACUCELL® with modular system of plates
F	CLIMACELL® EVO, FRIOCELL® EVO, VACUCELL® EVO

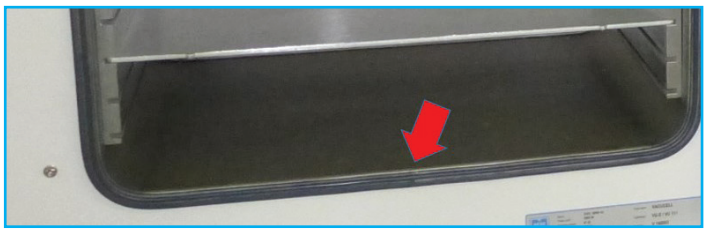
15 – year of manufacture
0756 – serial number of the device

Please state complete serial numbers while communicating with the production plant, as this is the only possibility for us to identify a concrete device and to find out its additional equipment and then it is easier for us to identify the problem.

Highly Chemically Resistant Sealing made of VITON Material

New option of chemically resistant sealing made of VITON material is available for all the sizes of the Vacucell devices. It is possible to directly order the device including the sealing or it is possible to replace the current sealing with a new one made of VITON. The material called VITON is connected using the vulcanization process in the production plant and so it is not possible to connect it afterwards at the client. Some recommendations must be taken into consideration while replacing the sealing.

1. The connection of VITON sealing is protected against stress during transport.
2. Avoid twisting stress and drawing stress of the connection during unpacking and consequent assemblage.
3. Always place the connection to the lower part of the chamber.
4. The connection must be placed exclusively to the straight section of the chamber – i.e. approximately to the centre (see the figure below).
5. Insert the sealing to the groove between the chamber and the shell – be careful mainly in the connection point.
6. Distribute the sealing equally along the chamber circumference during assemblage – don´t stretch and pull it (this applies to silicon sealing as well). No foldings etc. allowed in corners.



Chemical resistance and suitability of VITON material use for your application can be checked e.g. at:
http://www.customadvanced.com/chemical-resistance-chart.html
http://www.coleparmer.com/Chemical-Resistance
Sealing can be installed even in other devices, but suitability of use must be discussed with the manufacturer. There are some limitations for heat loads as well as for device volumes, etc.

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