

Steam sterilizer 4.0



STERILIZER PST.2

Modular product concept for individual customer-specific solutions in the life science industry



Core competencies for successful cooperation



Cleaning plants and sterilizers

- Cleaning systems and sterilizers designed and built according to customer requirements
- highest process, user and environmental safety
- High machine reliability and system availability due to proven product design
- Continuous development to increase usability and connectivity



Application technology competence

- Customized quality Solutions – that is our guiding principle. Highest flexibility low risk of change and fastrealization are our strengths.
- Competent field experts will be happy to advise you and offer you a customized solution that perfectly fits your application.
- The systems are adapted to your specific local conditions and comply with worldwide specifications.



Project Management

Our modern project management can be described in three words:

- Pragmatism – determined and focused
- Proximity – constantly in contact and on the pulse of the customer
- Commitment – we get involved so that your goals are achieved



Qualification service

- experienced full-service provider including qualification and validation
- Consistently professional risk management and a coherent, clear workflow
- Extensive product expertise for optimized functionality and cost efficiency
- Comprehensive documentation, robust data integrity, and full regulatory compliance



Life cycle management

- Fully comprehensive life cycle management from the initial concept idea to production, qualification maintenance, service and retrofit – all from a single source
- Local service network to guarantee you the highest machine uptimes



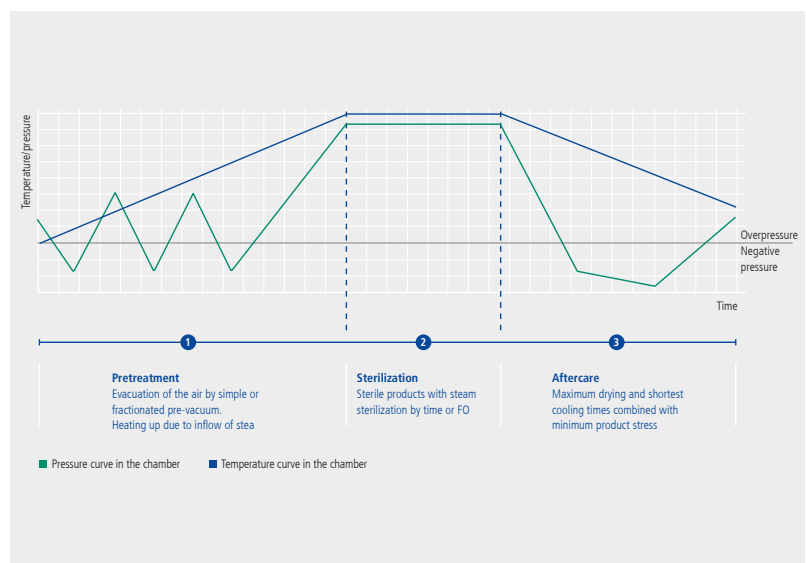
The Belimed Life Science PST.2 family

**Sterilizers from 622 liters to 4646 liters in volume or would you like a special size?
In any case, you will find the right one**

The new generation of PST.2 sterilizers can be ordered in over 50 standard sizes, which can also be optimized to meet individual customer requirements.

The PST.2 sterilizers are capable of a wide range of processes such as:

- Saturated steam process (FRVV-FVT according to DIN 58950)
- Pre-vacuum process with self-cooling (VOVV-SAK)
- Gravity process with self-cooling (GRAV-SAK)
- Hot water sprinkling process



The PST.2 offers a variety of options for:

- Energy saving
- Automation
- Digitization

Contact us and we will be happy to show you the tailor-made possibilities.

Would you be interested in a tablet or smartphone solution to control the plant remotely? Contact us and we will show you the possibilities.



PST.2 pharmaceutical sterilizer – fit for Industrie 4.0

Design with us the latest generation of pharmaceutical sterilizers

Please answer the questions. This will help us develop our new sterilizer to meet your exact needs.
If you have any questions, please do not hesitate to contact your Area Sales Manager or info@belimed-lifescience.com.

You can also find the survey online here:



Would operating a sterilizer with a tablet instead of a permanently installed HMI be a useful solution?

- ☐ The operation of the system via a tablet would be a great advantage (However, the doors still need to be controlled at the system, for security reasons).
- ☐ I think that's great. There should still be a fixed HMI at the system, the tablet should also be additionally available.
- ☐ Tablet operation does not bring any advantages.
- ☐ Is only an advantage if several systems can be operated with one tablet.
- ☐ Tablet operation is only useful if everything can really be controlled from the tablet, including door control.

Would self-calibrating temperature sensors be a good option?

- ☐ Yes, definitely! That saves us a lot of effort.
- ☐ I do not trust that. I would rather continue calibrating as up to now.
- ☐ Interesting idea. I would need more information on this to be able to make a statement about it.

Would a self-learning control system be an advantage for simplified adjustment of the system during validation?

- ☐ Yes, that would make it easier for us to validate.
- ☐ No, we validate only once, which does not bring the big advantage.
- ☐ Interesting idea. Would need more info on this to make a statement about it.

Would showing resource consumption (water, steam, and compressed air) after each batch be a benefit?

- ☐ Yes, this would give us the opportunity to optimize resource consumption.
- ☐ Yes, we would be very interested in that, since we have the goal of conserving resources.
- ☐ No, we don't get any additional benefit from that

What do you think of the illuminated "M" in the front of the sterilizer as a status indicator?

- ☐ I think that's good, because then you can see from a distance how far the process has progressed.
- ☐ Only progress display is too little, more information should be transmitted here, such as errors, warnings, etc.
- ☐ Does not bring any advantages

Can you imagine installing a thermal energy storage system in addition to the sterilizer?

- ☐ Yes, then we could reuse heat energy for the next process.
- ☐ No, unfortunately, we do not have space for such a heta storage tank.
- ☐ Yes, only if it is not a problem from a hygiene point of view.
- ☐ Saving resources and CO2 is very important for us, we are very interested in saving opportunities.

Do you already rely on "preventive maintenance" systems?

- ☐ Yes, we already have it in use.
- ☐ No, we are not dealing with that yet.
- ☐ No, however we plan to do this in the near future.
- ☐ Sounds exciting, would need more information on this.

Which system login options at our systems would you prefer?

- ☐ Fingerprint scan
- ☐ Pupils scan
- ☐ RFID Chip Reader
- ☐ Classic with password via keyboard

What would you expect from a Belimed Life Science App? What should it be able to do?

- ☐ Be able to operate the system.
- ☐ To be able to send me push messages.
(e.g. that the process has finished)
- ☐ Transmit info about the status of the plant.
(e.g. displays the current process progress)
- ☐ Provide quick assistance in the event of an error.

On what basis should a Belimed Life Science App operate?

- ☐ Android Tablet
- ☐ Android Smartphone
- ☐ Apple Tablet
- ☐ Apple Smartphone
- ☐ Windows Tablet
- ☐ Windows Phone

What chamber sizes do you need?

height x width x depth in dm z.B. 9-6-9, 13-9-13, ...

What other wishes / ideas / requirements do you have for a pharma sterilizer – be creative, what would make working with a sterilizer easier? Comments, Criticism, Suggestions ...

Feel free to leave us your contact information (optional) and we will keep you updated on a regular basis.

Name, first name, company, e-mail ...

Thank you for your participation.

Please send your printed survey to:

Belimed Life Science AG, Zelgstr. 8, 8583 Sulgen, Switzerland.

Or simply directly by e-mail:



- Belimed Life Science AG Sales
- Belimed Life Science Inc.
- Belimed Life Science AG – Services
- Belimed Life Science AG – Local Partner

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