



ZETA FREEZECONTAINER

ZETA's product line FreezeContainer is the answer for bridging time and distance in the processing of temperature-critical liquid products in the pharmaceutical industry.

The new range of fully compliant GMP FreezeContainer is ideal for production and laboratory work. The product family is made to the highest standards from stainless steel and is available in a wide range of sizes from 10 ml to 5000 ml for passive freezing and 10 l to 300 l for active freezing. The containers are best in quality and the surface finish, electro polished in house, can be produced better than 0.2 μm Ra if required.

Easy to handle

ZETA FreezeContainers are fitted with standard Tri Clamp. This not only allows the containers to be clamped to existing pieces of processing equipment but it gives excellent access for operation, cleaning and inspection. Each container is supplied with a lid, clamp and a polymeric gasket.

What it can be used for

ZETA FreezeContainer are the ideal systems for sample storage, transport, stability studies or intermediate storage. It can be used with both, powders and liquids, and is available from stock.



20 ml FreezeContainer



5000 ml FreezeContainer

Best in Quality

Due to the highest quality of surface preparation, the interaction of product with stainless steel can be minimized and therefore product quality remains stable. Containers with a filling volume of 10, 20 and 50 ml do not provide welding seams and therefore the impact of surfaces is optimized.

GMP compliance

ZETA Freeze Systems provide complete GMP compliant documentation for both, material certificates and complete welding procedures. ZETA documentation management ensures perfect tracking from product back to material heat records.

Temperature Profile for Freezing

The verified ZETA Temperature Profile Calculation System allows to simulate the temperature profile at every point in the product bulk. Therefore the freezing process can be ideally estimated in advance during process development phase.

Benefit from our expert support

ZETA offers full support and consulting for planning and conducting freeze and thaw experiments together with the customer in order to define critical process parameters. An experienced team of experts in biotechnology and bioprocess engineering provide guidance and support from the design of experiment, through experiment implementation, to laboratory analysis.

Active & Passive FreezeContainer

SIZE	MODE OF FREEZING	INSIDE DIAMETER	TOTAL HEIGHT INCL. COVER	WORK VOLUME	WEIGHT	WORKING PRESSURE	WORKING TEMPERATURE	CONNECTION
10 ml (A102511)	passiv	Ø22 mm	69.4 mm	10 ml	1.1 kg	-1/+4 bar	-80/+150°C	TC Ø50.5 mm
20 ml (A110508)	passiv	Ø35 mm	69.4 mm	20 ml	1 kg	-1/+4 bar	-80/+150°C	TC Ø50.5 mm
50 ml (A110247)	passiv	Ø47,5 mm	69.4 mm	50 ml	1.2 kg	-1/+4 bar	-80/+150°C	TC Ø64 mm
100 ml (A110248)	passiv	Ø47,5 mm	94.4 mm	100 ml	1.5 kg	-1/+4 bar	-80/+150°C	TC Ø64 mm
500 ml (A110016)	passiv	Ø96,6 mm	185.1 mm	500 ml	3.6 kg	-1/+4 bar	-80/+150°C	TC Ø119 mm
500 ml (A110015)	passiv	Ø96,6 mm	235.1 mm	500 ml	3.8 kg	-1/+4 bar	-80/+150°C	TC Ø119 mm
1000 ml (A110018)	passiv	Ø96,6 mm	250.1 mm	1000 ml	4 kg	-1/+4 bar	-80/+150°C	TC Ø119 mm
1000 ml (A110017)	passiv	Ø96,6 mm	300.1 mm	1000 ml	4.2 kg	-1/+4 bar	-80/+150°C	TC Ø119 mm
5000 ml 4" (A110014)	passiv	Ø180 mm	373.6 mm	5000 ml	4 kg	-1/+4 bar	-80/+150°C	TC Ø119 mm
5000 ml 2" (A102509)	passiv	Ø180 mm	305.6 mm	5000 ml	2.8 kg	-1/+4 bar	-80/+150°C	TC Ø119 mm
5000 ml 4" (A102506)	passiv	Ø180 mm	423.6 mm	5000 ml	4.2 kg	-1/+4 bar	-80/+150°C	TC Ø119 mm
10 – 300 l	active	Customised	Customised	Customised	Customised	Customised	Customised	Customised