

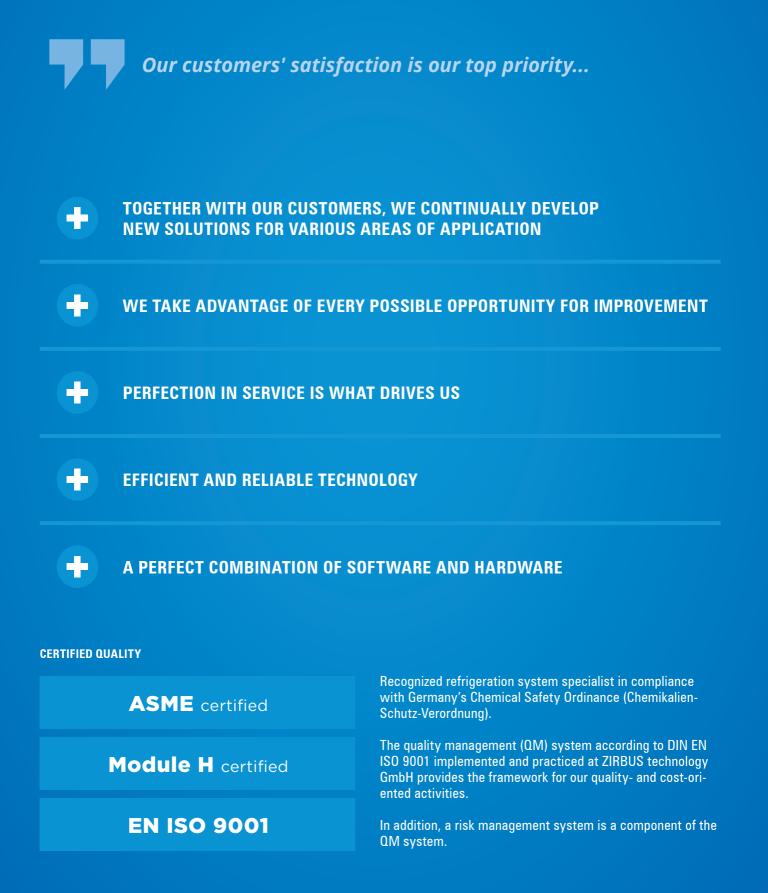
VaCo SERIES LABORATORY LYOPHILIZER 2 - 15 kg/24 h



GERMAN ENGINEERING UNDER HIGH PRESSURE

ZIRBUS TECHNOLOGY GMBH

Since its founding in 1984, ZIRBUS technology GmbH, as a German manufacturer, has gained an outstanding reputation on the international market. We manufacture not only freeze dryers but also focus on process technology. A steadily increasing number of customers is putting their trust in Zirbus brand autoclaves and lyophilizers.





LABORATORY LYOPHILIZER VACO 2





Technical data	VaCo 2
Condenser volume	5.7 liters
Condenser temperature	< -50° C or $<$ -80° C
Ice condenser capacity	2 kg / 24 h
Max. ice capacity	3 kg
Dimensions of basic unit	(W) 490 x (H) 440 x (D) 470 mm
Weight of basic unit	45 kg at $<$ -50° C, 55 kg at $<$ -80° C



LABORATORY LYOPHILIZER VACO 5





SUITABLE FOR ANY LABORATORY TABLE



EASY-TO-CLEAN SURFACE



Technical data	VaCo 5
Condenser volume	16 liters
Condenser temperature	$<$ -50 $^{\circ}$ C or $<$ -80 $^{\circ}$ C
Ice condenser capacity	5 kg / 24 h
Max. ice capacity	8 kg
Dimensions of basic unit	(W) 800 x (H) 400 x (D) 530 mm
Weight of basic unit	60 kg at $<$ -50° C, 70 kg at $<$ -80° C



LABORATORY LYOPHILIZER VACO 10





EQUIPPED WITH MAINTENANCE ROLLERS OOO AS A STANDARD FEATURE



VARIABLE DISTANCE BETWEEN SHELVES

Technical data	VaCo 10
Condenser volume	50 liters
Condenser temperature	$<$ -50 $^\circ$ C or $<$ -80 $^\circ$ C
Ice condenser capacity	15 kg / 24 h
Max. ice capacity	20 kg
Dimensions of basic unit	(W) 750 x (H) 900 x (D) 750 mm
Weight of basic unit	75 kg at $<$ -50° C, 85 kg at $<$ -80° C

VaCo SERIES ACCESSORIES

As modular systems, these laboratory lyophilizers can be equipped with various options. Additional accessories available upon request!





DRYLOG BATCH DOCUMENTATION SOFTWARE

Windows-based software automatically reads the process data from the freeze dryers and processes these data into a graphic and numeric PDF log (direct coupling with an Ethernet interface RJ45).

SERVICE & QUALIFICATION



SERVICE	Availability, reliability and qualification are the requirements for excellent service. Training and regular continuing education sessions for our employees guarantee that our service team is quickly and diligently there for you.
HOTLINE	Our technical hotline will assist you if you have questions regarding operation or if you are having system- or process-related problems.
REPLACEMENT PARTS	Replacement part deliveries are processed immediately, such that delivery is usually made on the following day.
CONSULTATION	We can provide you with advice regarding your project and draw on our experience to assist you.

OUR SERVICES INCLUDE:

 Delivery, installation and training 	 Maintenance and service
 Qualification DQ/IQ/FDS, SDS, HDS/OQ/PQ according to cGMP guidelines 	 Customized process development and optimization
• Sterilization and drying on a contract basis in our own application laboratory	Calibration with DKD (German Calibration Service)-tested measuring





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