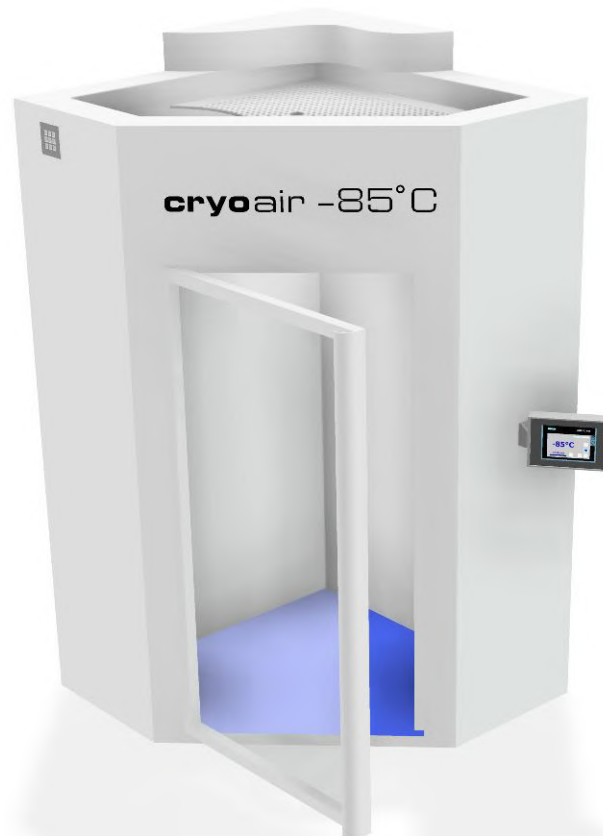


Technical Specifications

cryoair -85°C

single chamber system



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1 Standard components

- Cryoair chamber as corner solution with glass door
- Touch screen display for control
- Music system
- Water-cooled refrigerating machine
- Operating instructions

2 Options

- Air-cooled condenser

3 Specifications

3.1 cryoair chamber

Insulation:	Wall 150 mm polyurethane, bottom 80 mm with vacuum panel in the floor element, CFC-free foam		
Surface:	Plastic coated, zinc coated metal sheet		
Color:	White, RAL 9010 > <i>Special colors available on request!</i>		
Floor design:	Welded stainless steel base tub 2 mm wall thickness, rhombical sanded, slide class R13, laid out with water-resistant carpet		
Threshold step:	Stainless steel 2 mm, rhombical sanded, slide class R13		
Entrance door:	Blue illuminated glass door, DIN left or right, clear width: 870 mm, clear height: 2000 mm, frame heater 230 V, with surrounding magnet seal, door closer without mechanical locking		
Lighting:	Halogen GU 5.3 Energy Saver 2 x 20W		
Pressure balance:	1 piece heated flap valve		
Standard dimensions:	Clear dimension	Total outside	Chamber Inside
	Length:	1500 mm	1200 mm
	Depth:	1500 mm	1200 mm
	Height:	2630 mm	2120 mm
Optional dimensions:	Length optional:	1800 mm	1500 mm
	Depth optional:	1800 mm	1500 mm
	Height optional:	2780 mm	2270 mm
Environmental conditions:	Temperature:	+5°C to +30°C	
	Air Humidity:	max. 55 %	
	Air Pressure:	80 kPa to 106 kPa	

3.2 Refrigerating machine and Control

System:	High developed 2-stage cascade installed in closed machine housing, water-cooled (optional air-cooled), color RAL 7035	
Refrigerant:	All refrigerants are CFC free, nontoxic, non-inflammable, filling quantities vary project-specific	
Evaporator:	Installed in treatment chamber cased with plastic-coated aluminum plates, air circulation with 1 fans, air volume approx. 1200 m ³ / h, integrated defrost heater	
Watercooling:	Connectors G ³ / ₄ inch installed on the top, needed quantity with 10°C approx. 230 l/h (heat recovery available)	
Switching devices and Control unit:	Programmable controller (SPS) Siemens Simatic S7 / ET200 S with network connection, control over connecting relay	
Remote maintenance:	Remote data transmission and monitoring as well as control and adjustment by remote control module	
Connected load:	400 V ± 10 %, 3 Ph/N/PE, 50 Hz, 25 A	
Power consumption on average:	Cooling cycle with breaks:	approx. 8.5 kW
	Defrosting / Drying:	approx. 3.5 kW
	Stand-by:	approx. 0.2 kW
Standard dimensions:	Width:	1200 mm
	Depth:	700 mm
	Height:	1500 mm
	Weight:	approx. 500 kg
Environmental conditions:	Temperature:	- 10°C to + 30°C
	Air Humidity:	max. 55 %
	Air Pressure:	80 kPa to 106 kPa

3.3 Operator Panel

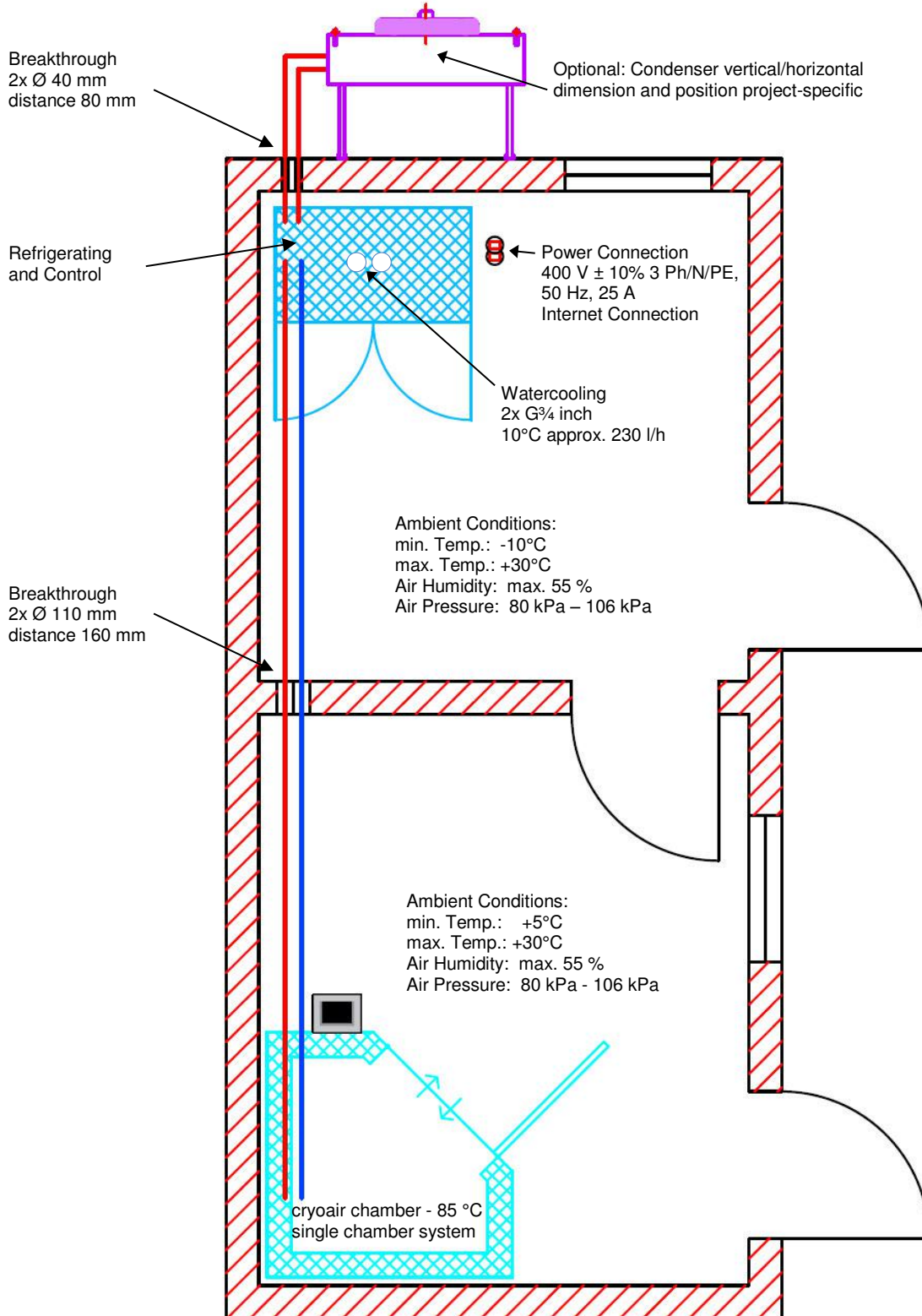
- Display:** 7 inch Siemens industrial TFT-touch screen display, network connection
- Software:** Visualization over Siemens TIA-Portal, all functions, adjustments and machine values can be set and/or read off over touch screen
- Music system:** 3.5 mm jack socket and USB-port for charging integrated on the back side

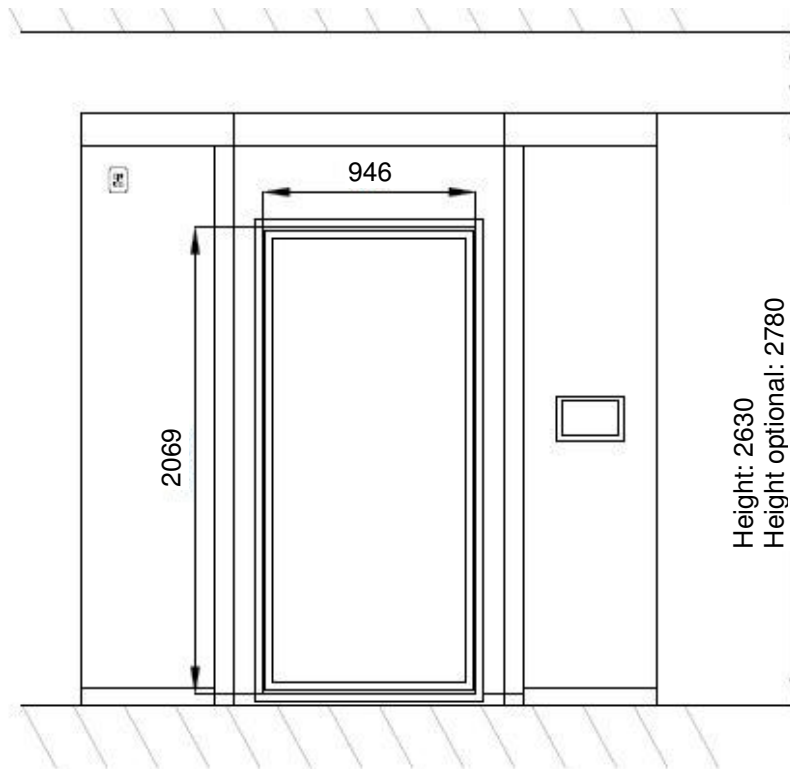
3.4 Optional Air-cooled Condenser

Housing:	High-quality, corrosion resistant aluminum-magnesium alloy, all fan plates are removable
Heat exchanger:	Internally finned SF-CU tubes with Aluminum fins for optimal heat exchange
Fan:	Single-phase motor 230 V \pm 10 %, 50/60 Hz
Dimensions:	The design, size and the number of fans of the condenser will be adapted to the local conditions!

4 Pictures

4.1 Drawing





4.2 Refrigerating machine and Control

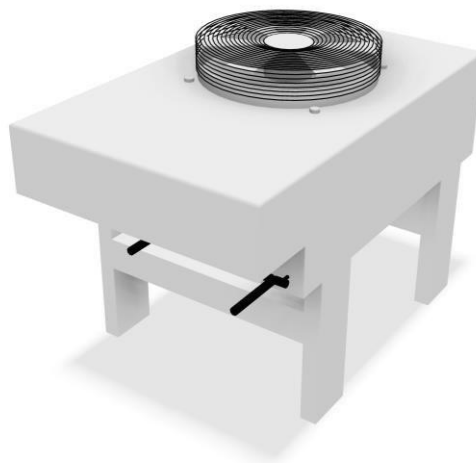


4.3 Operator Panel

The 7" Touchdisplay is mounted on the Chamber beside the Entrance door.



4.4 Optional Air-cooled Condenser



ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

CERTIFICATE

No. Q1N 15 09 84106 006

Holder of Certificate: MECOTEC GmbH

Sonnenallee 7 - 11
06766 Bitterfeld-Wolfen
GERMANY

Facility(ies):

MECOTEC GmbH
Sonnenallee 7 - 11, 06766 Bitterfeld-Wolfen,
GERMANY

MECOTEC GmbH
Freiburger Str. 25, 75179 Pforzheim, GERMANY



Certification Mark:



Scope of Certificate: Design and development, production, distribution and service of cold-air-therapy-devices and cryo-therapy-chambers

Applied Standard(s):

EN ISO 13485:2012 + AC:2012
Medical devices - Quality management systems - Requirements for regulatory purposes (ISO 13485:2003 + Cor. 1:2009)
DIN EN ISO 13485:2012

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). See also notes overleaf.

Report No.: 713066420

Valid from: 2015-12-18
Valid until: 2018-09-18



H.-H. Junker

Date, 2015-12-21

Hans-Heiner Junker

Page 1 of 1



TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstraße 65 · 80339 München · Germany



6 Declaration of Conformity

MECOTEC
KÄLTETECHNOLOGIE

EG Konformitätserklärung
Declaration of Conformity

Hersteller / Manufacturer

MECOTEC GmbH
Sonnentallee 7-11
06766 Bitterfeld – Wolfen

Konformitätserklärung / Declaration of Conformity

Wir erklären unter unserer alleinigen Verantwortung, dass die Produkte/ We declare under our sole responsibility, that the products

Kältetherapie Kammer / Cryotherapy Chamber

Cryoair Einkammer -85°C / Cryoair Single Chamber -85°C
Cryoair Zweikammer -110°C / Cryoair Double Chamber -110°C
Cryoair Dreikammer -110°C / Cryoair Three Chamber -110°C

die Anforderungen der Niederspannungsrichtlinie 2014/35/EU, der Druckgeräterichtlinie 2014/68/EU und der Maschinenrichtlinie 2006/42/EU erfüllen. / are in conformity with the Low Voltage Directive 2014/35/EC, Pressure Equipment Directive 2014/68/EC and the Machinery Directive 2006/42/EC.



Bitterfeld-Wolfen, 17.12.2016
Ort, Datum /
Location, Date

Enrico Klauer
Unterschrift Geschäftsführer /
Signature General Manager

Dokumenten-ID:
KK 0 TD 055 02