

# COOLPAK 2000/2200

## Compressor units for single-operation of COOLVAC Cryo Pumps

Technical Information 182.52.02



# The new COOLPAK 2000/2200

## Compressor units in the 2 kW class for the single operation of COOLVAC cryo pumps.



As an expert in high performance vacuum technology, Oerlikon Leybold Vacuum has a long-term experience in the development and production of cryogenics like cryo pumps, cold heads and compressor units.

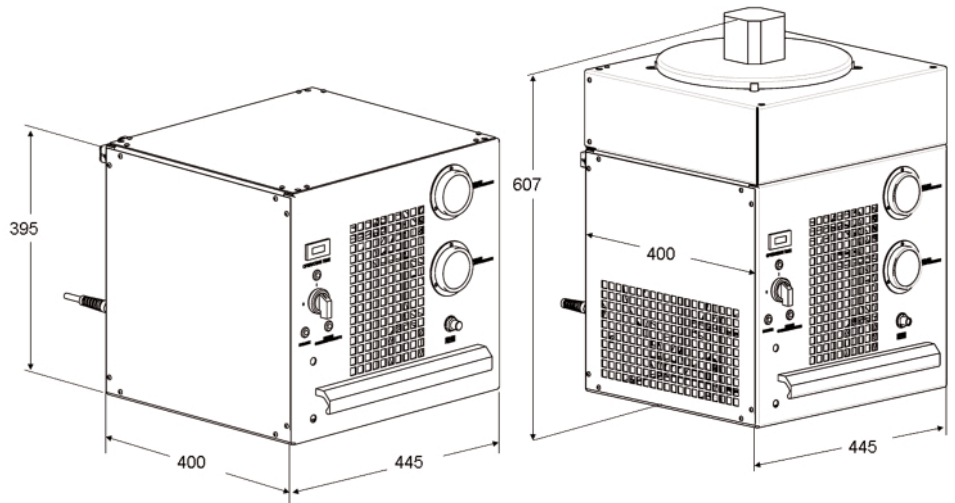
The COOLPAK compressor units have been proven to drive cold heads and cryo pumps absolutely reliable and cost-effective.

The new COOLPAK 2000/2200 compressor units are optimized for single operation of our standard cold head COOLPOWER 7/25 and the cryo pump families COOLVAC ClassicLine and BasicLine in the pumping speed class from 800 to 3,000 l/s.

These compressor units are available either as water cooled or air-cooled versions.

### Customer Benefits

- High effective and enhanced capability operation of cold heads and cryo pumps
- Excellent long-term reliability due to longlife and high-efficient components and improved oil management
- Silent and low vibration operation through innovative, horizontal aligned scroll compressor
- Easy installation and operation
- Global power supply compatibility
- Easy integration into complex systems due to 24 V SubD interface
- Maintenance-free apart from an occasionally (after 18,000 hrs.), but simple adsorber exchange
- Small footprint
- Low cost of ownership
- Easy replacement of old Leybold RW2/3 compressor units possible; identical dimensions and connecting ports ensure easy system integration. Suitable for single operation of older cryo pumps and cold heads like COOLPOWER 20, 2/10 or 5/10.



Dimensional drawings (in mm):  
COOLPAK 2000 / 2200, water cooled version

COOLPAK 2000 A / 2200 A, air-cooled version

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### Technical Data

Helium filling pressure (room temperature) bar  
Cooling water consumption l/min  
Cooling water temperature °C  
Ambient temperature  
- water cooled version °C  
- air-cooled version °C  
Mains voltage (single phase) V  
Electrical power consumption at cold head working temperature kW  
Helium connections, self-sealing inch  
Sound pressure (1m distance) dB(A)  
Weight kg

	COOLPAK 2000	COOLPAK 2200
Helium filling pressure (room temperature) bar	15	14
Cooling water consumption l/min	< 5	
Cooling water temperature °C	5 - 25	
Ambient temperature		
- water cooled version °C	+10 - +40	
- air-cooled version °C	+10 - +30	
Mains voltage (single phase) V	230, 50 Hz	208, 60 Hz
Electrical power consumption at cold head working temperature kW	2.2	2.3
Helium connections, self-sealing inch	1/2	
Sound pressure (1m distance) dB(A)	< 55	
Weight kg	69	

### Ordering Information

Compressor unit, standard  
- water cooled version  
- air-cooled version\*)  
- RW 2/3 replacement version  
Adsorber CPS-V8  
19" installation kit

	COOLPAK 2000	COOLPAK 2200
Compressor unit, standard		
- water cooled version	840000V2000	840000V2200
- air-cooled version*)	840000V2010	840000V2210
- RW 2/3 replacement version	840000V2002	840000V2203
Adsorber CPS-V8		840 001 973
19" installation kit		840 022

\*) available as from May 2007