

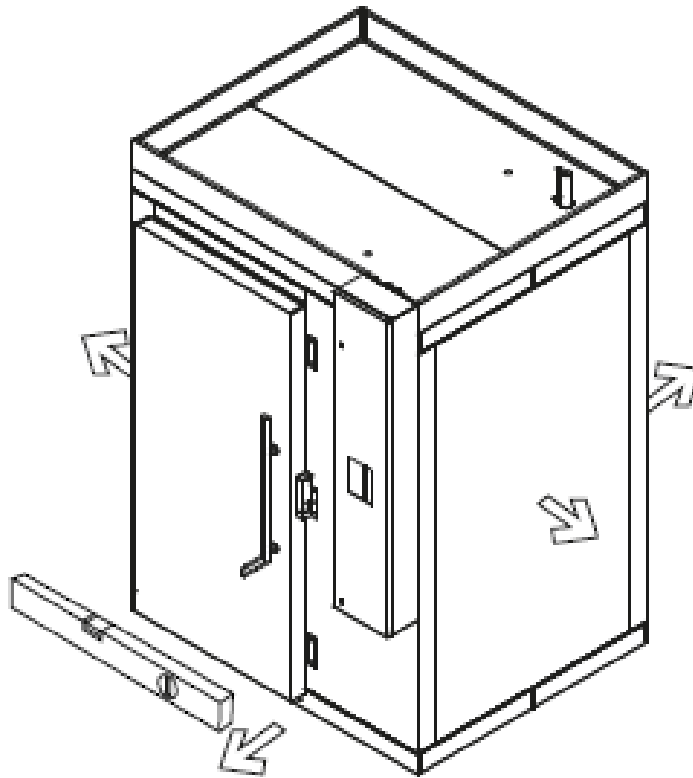
INSTALLATION CHECK LIST

“INDUSTRY LINE”

1) Positioning of the cabinet

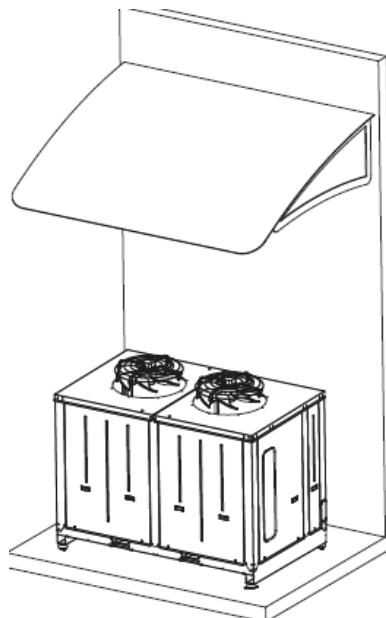
The machine must be installed on a flat, horizontal surface both to avoid problems related to the stability of the machine and for the appropriate slope for draining the condensate. If the surface is not flat it is necessary.

Check the correct positioning of the condensate drain and the condensate drain tray in the case of unibody blast chillers.



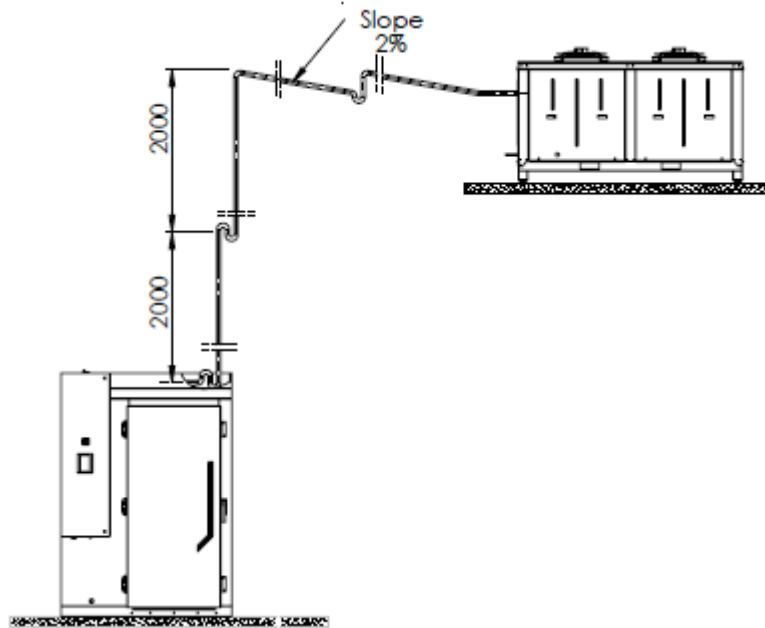
2) Positioning of the condensing unit

The condensing unit must be installed on a flat, horizontal surface. It is also necessary to fix the condensing unit to the ground or to secure it.

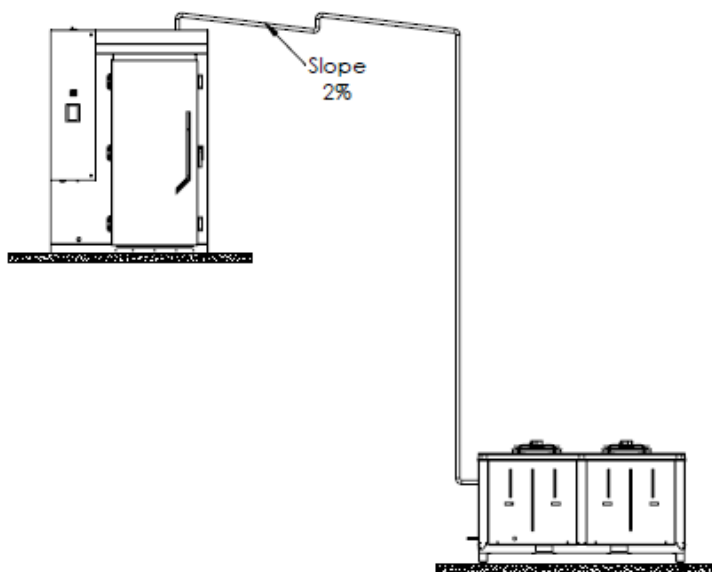


3) Oil return

All refrigerant lines must be designed to allow correct oil return to the compressor. If the condensing unit is positioned above the evaporator it is necessary to insert siphons at a height of every 2 metres on the vertical line section and a counter-siphon having reaching the end of the ascent section.



When there are horizontal line sections it is important that the suction pipes have a slope of at least 3% towards the condensing unit in order to facilitate the return of the oil to the compressor. If the condensing unit is positioned below or at the same height as the cabinet, no siphon must be used, but it is sufficient to guarantee the slope of the pipes for the condensing unit.



Minimum thickness of the suction line insulation: 19 mm



4) CABINET AND CONDENSING UNIT ARE CHARGED WITH NITROGEN

5) Vacuum of the system

Open the valves on the cabinet and on the condensing unit
Use a magnet to open the solenoid valve on the top of the cabinet



Start the vacuum of the pipe line, cabinet and condensing unit

6) Compressor unblocking

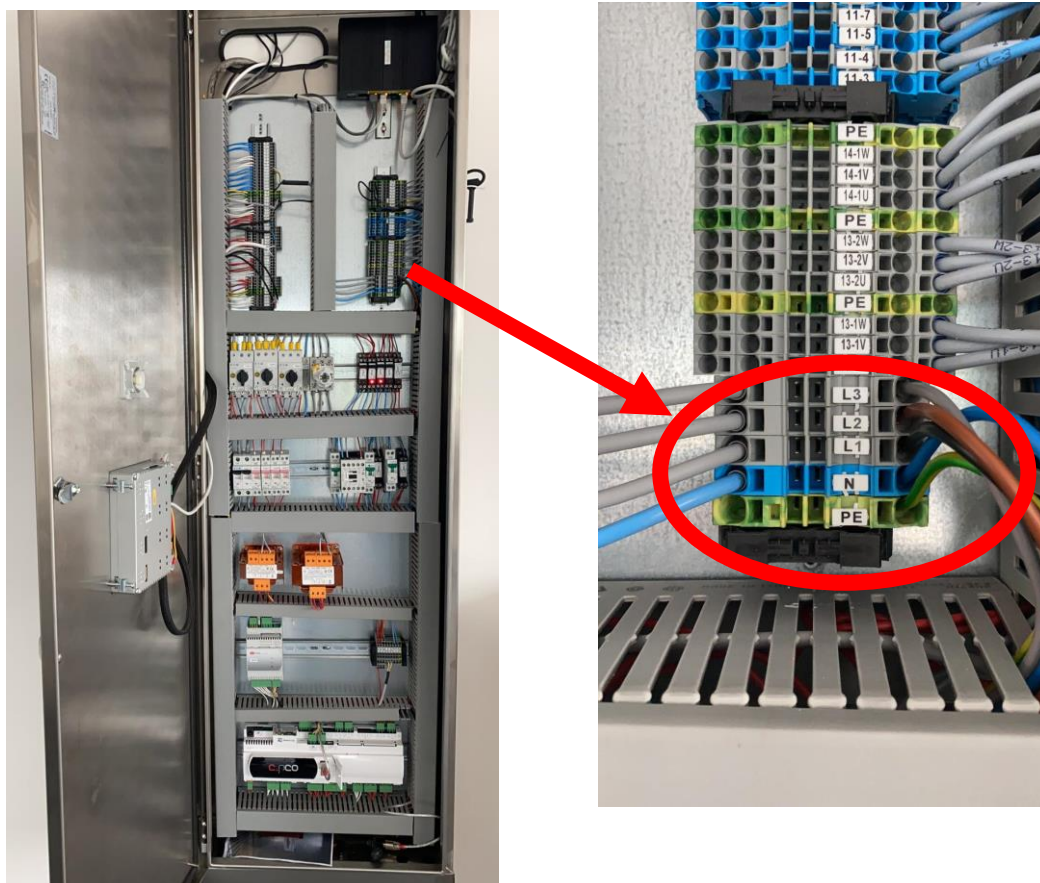
Turn counter – unclockwise block nuts to remove 4 washers.
Compressor has to work without washers

REMOVE THE WASHERS



7) Electrical connection

Power supply cabinet position

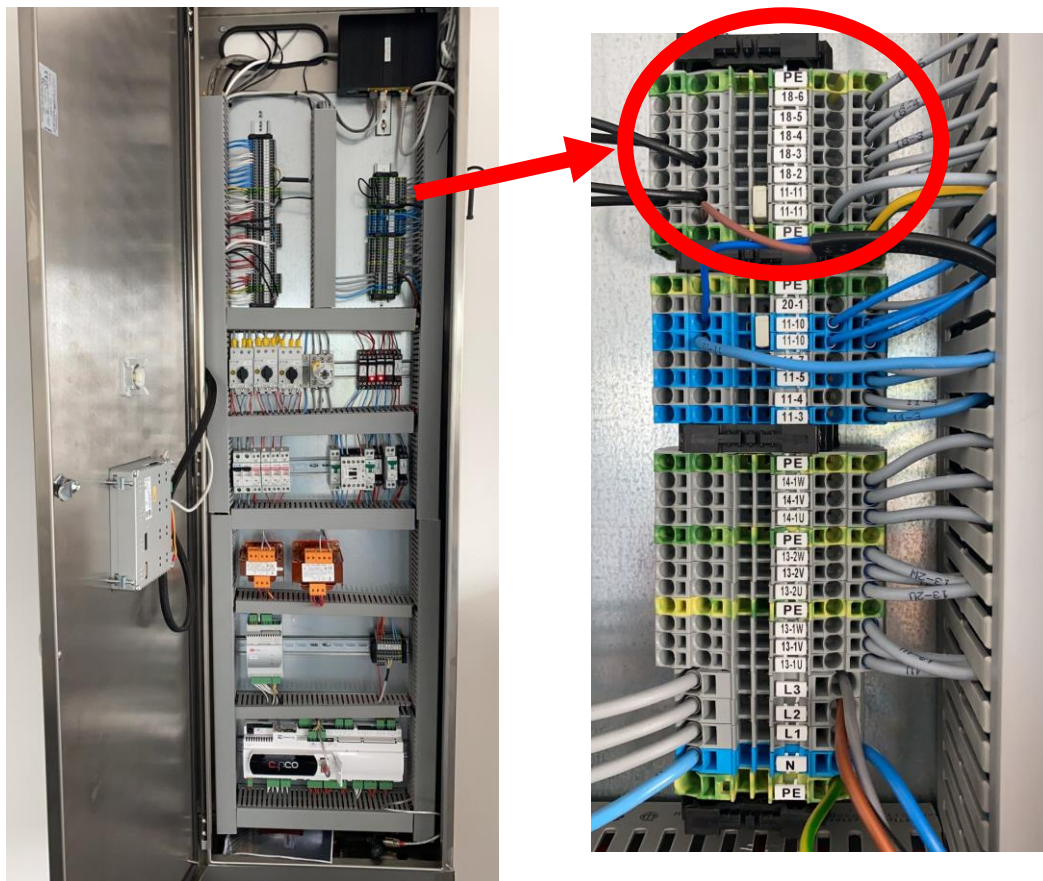


Power supply condensing unit position

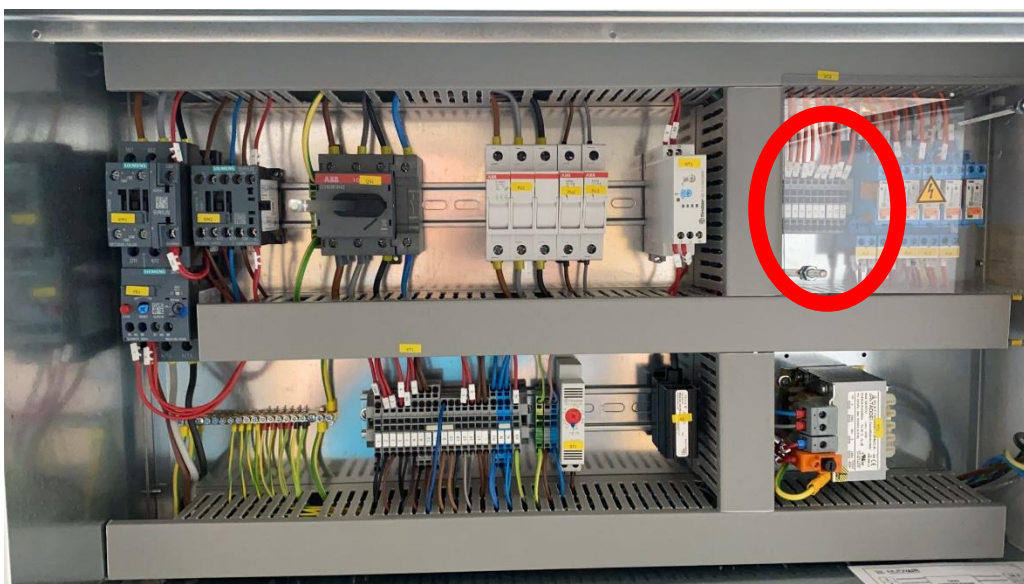


8) Communication cable cabinet / condensing unit

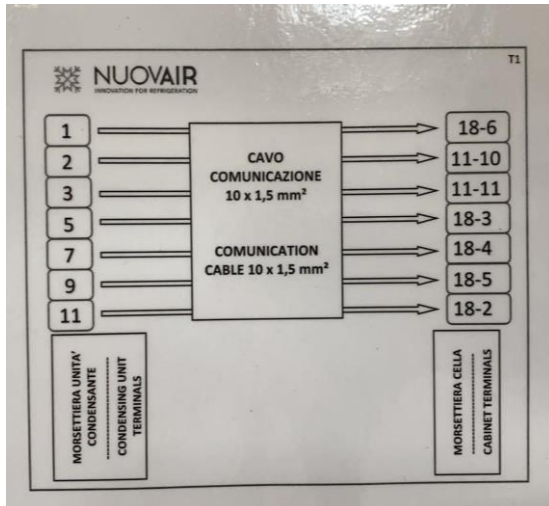
Cabinet communication terminals position



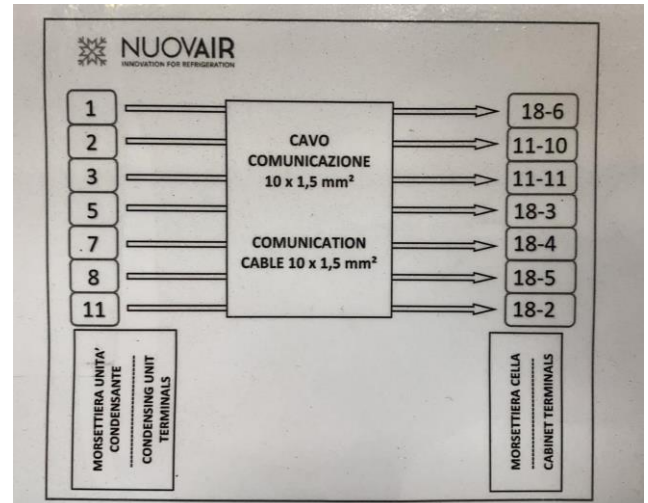
Condensing unit communications terminals position



Connect the n°7 wires between the cabinet and the condensing unit following the chart below



NA 2.140T1 – NA 2.200T1 –
NA 2.260T1 – NA 2.260T1 XL



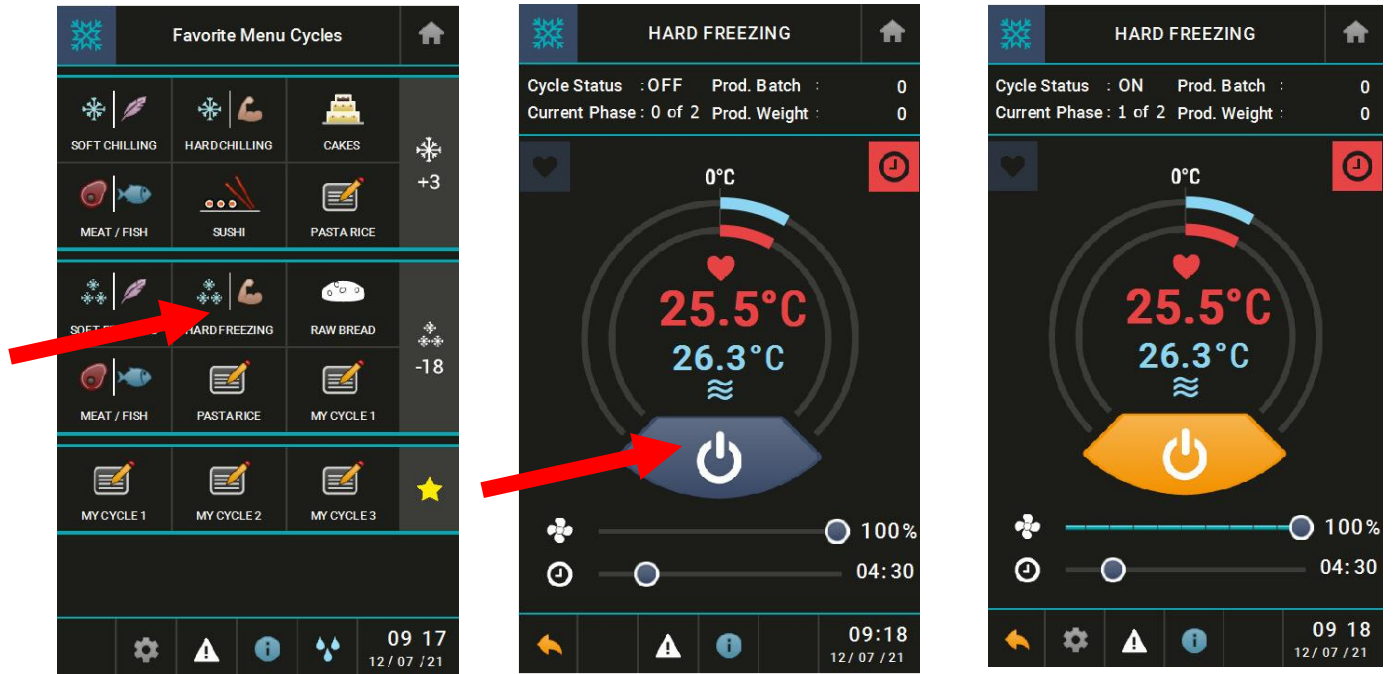
NA 2.260T2 – NA 2.520T2 –
NA 2.520T2 XL – NA 2.450T3 –
NA 2.780T3 – NA 2.780T3 XL

9) Check the voltage before switch on the main switches

10) Give power supply to the condensing unit in order to warm up the compressor oil

11) At the end of the vacuum start to fill with refrigerant

12) Start the HARD FREEZING CYCLE in manual mode



13) Charge the refrigerant until the check glass is full



14) Check the direction of rotation of the condenser fan

15) Check the absorption of the compressor, condenser fan, evaporator fan

16) Check performance: from ambient temperature to -38 / -40°C with empty cabinet the blast freezer takes between 35 to 45 minute