

Dry Ice loading instruction

For va-Q-one 8-74

Note:

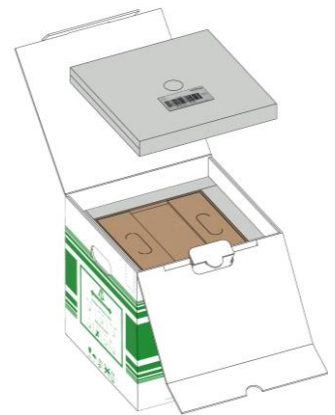
Dry Ice is a hazardous substance. Before using a va-Q-one with Dry Ice, undertake a risk assessment with your health and safety department to ensure all appropriate safeguards according to local regulations are in place. Make sure to handle the box only in well ventilated areas. When handling Dry Ice wear insulated gloves and safety goggles.

For the Dry Ice filling process, the va-Q-one 8 is shown exemplary in the figures. The following loading instruction is valid for: **va-Q-one 8 – 74**.



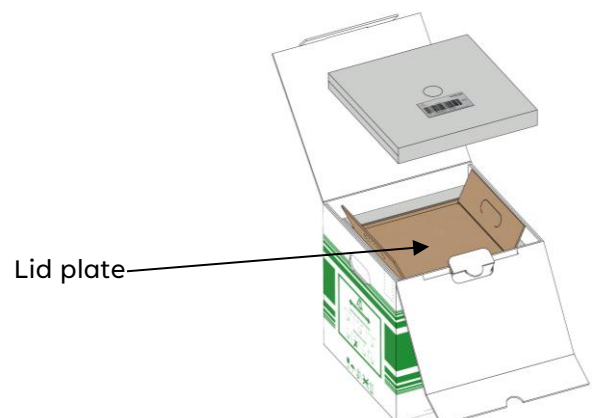
Step I

Open the lid of the va-Q-one and remove the top vacuum insulation panel (VIP). Before placing dry ice in a va-Q-one make sure the va-Q-one is equipped with the dry ice separators according to the SOP “Loading instruction for the dry ice separators”.



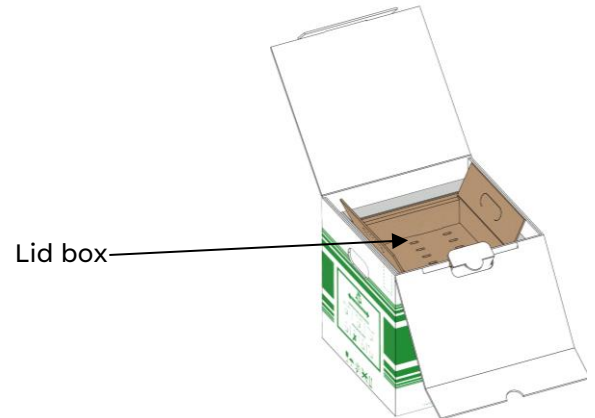
Step II

Take out the Lid Plate, which is on top.



Step III

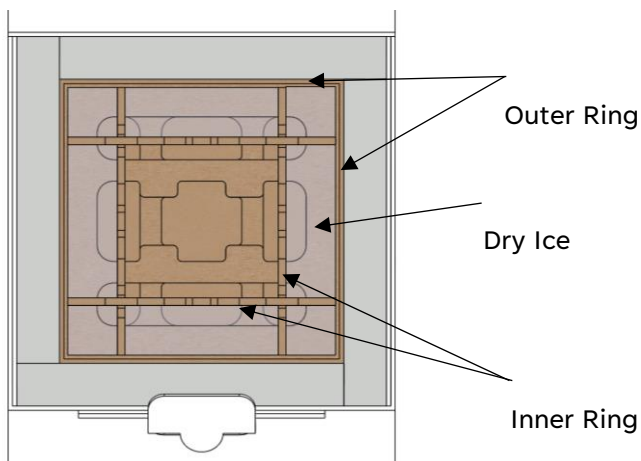
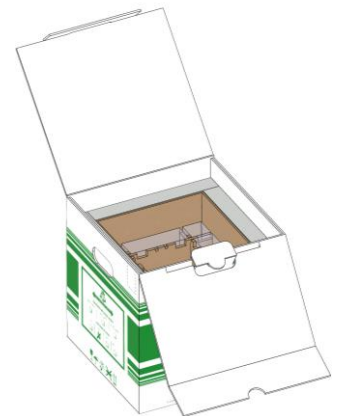
Take out the Lid Box, which sits on top of the inner ring.



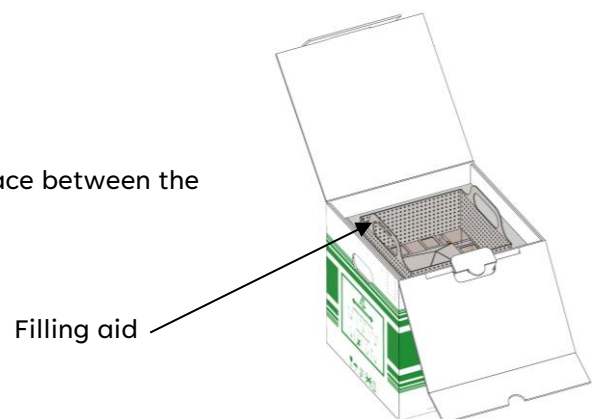
Step IV

Fill up the space between the Inner Ring and the Outer Ring with dry ice. The targeted dry ice weight is defined in the Table 1 at the end of this document.

Once the space between the Inner Ring and Outer Ring is filled up with dry ice, the product can be loaded into the payload space.

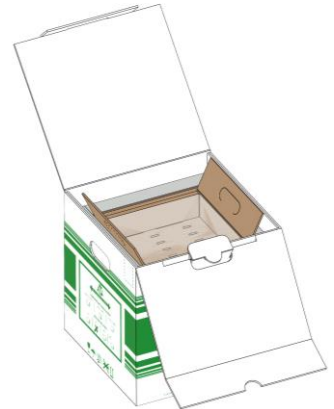


Note: To facilitate and speed up the filling process of the space between the Inner and the Outer Ring, va-Q-tec can provide a filling aid.



Step V

Place the Lid Box back onto the Inner Ring and fill it up with dry ice. Ensure, that the dry ice does not exceed the upper edge of the Lid Box. The targeted dry ice weight can be found in Table 1 at the end of this document.



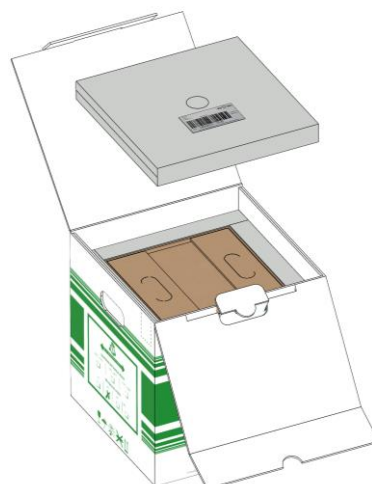
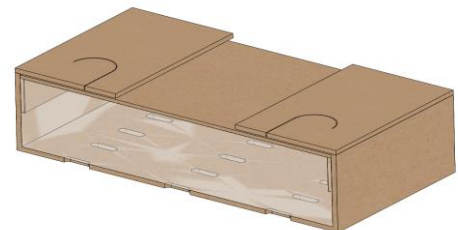
Step VI

Place the Lid Plate onto the Lid Box and insert the flaps of the Lid Plate inside the Lid Box as can be seen in the sectional view.



Fold the flaps of the Lid Box onto the Lid Plate.

Place the top VIP back on the lid box. Close the lid of the va-Q-one and seal the lid with adhesive tape at the marked position.



Dry ice weight


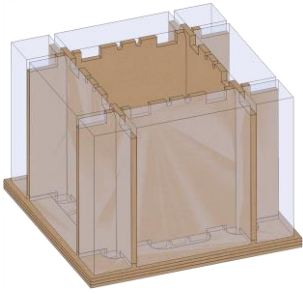

	Side compartment		Lid compartment	
				
va-Q-one 8	5.3 [kg]	11.7 [lbs]	2.2 [kg]	4.9 [lbs]
va-Q-one 23	7.5 [kg]	16.5 [lbs]	5.5 [kg]	12.1 [lbs]
va-Q-one 43	14.2 [kg]	31.3 [lbs]	6.3 [kg]	13.9 [lbs]
va-Q-one 74	21.0 [kg]	46.3 [lbs]	11.0 [kg]	24.3 [lbs]

Table 1: Dry Ice weight overview