

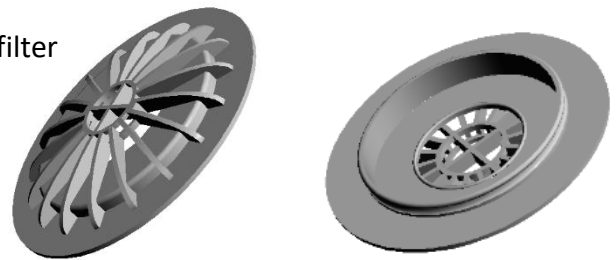
Technical Specifications

vQm High Speed Valve

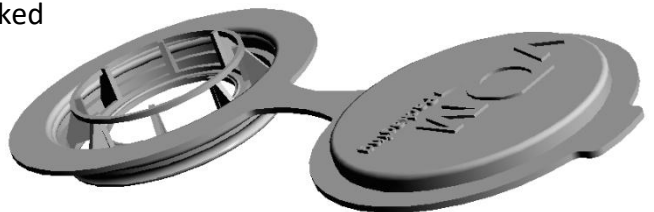
The patented, two-way valve of vQm is designed for speed & reliability. In combination with the special connecting head, air inside the packaging can be quickly evacuated, but also an external gas mixture can be injected through the same valve. If the packaging is left under vacuum, the valve automatically closes itself. The airflow of the valve is designed for a minimum airflow surface of 4cm².

The valve is composed of three parts:

- i) The bottom LDPE part, with a non-woven filter medium on its back, which is to be sealed inside the packaging;



- ii) The top LDPE part, with lit, which is clicked on the bottom part;



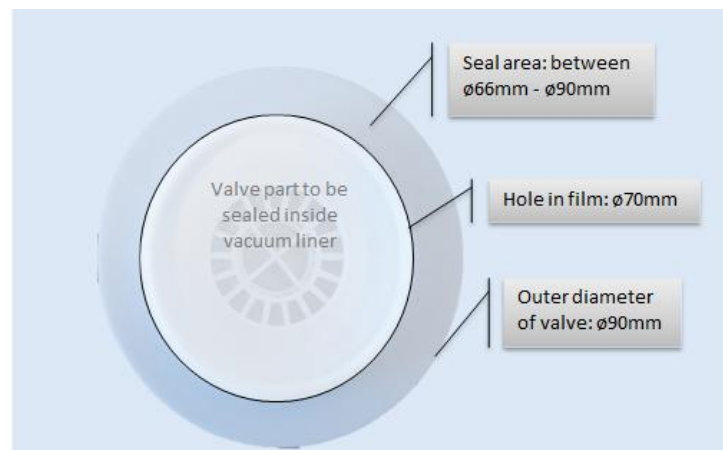
- iii) Membrane, which is inserted in the middle of the valve to ensure hermetic closure.



Seal instructions:

To be able to insert the bottom part of the vQm valve in the packaging, a hole of 70mm is to be made in the packaging. The bottom part of the vQm valve is positioned in the middle of this hole, with the filter medium on the inside of the packaging. This leave a seal area as indicated in the picture below:

The seal is to be applied in accordance to the seal recommendations of the film concerned. Seals should have no (micro) leakages, as result of imperfect seal, film/temperature damage or wrinkles.



Caution:

The valve is made out of very flexible, food safe LDPE. However, avoid excessive pressure on the valve, which may cause permanent deformation.

The valve is to be used and processed under moderate temperature conditions between 0 and 35 degrees Celsius.

Use:

The valve can be used in combination with the vQm connection head. This head has a special suction nozzle, that lifts up the membrane to access the inside of the packaging.

Storage:

Valves should be stored in dry place with temperature in range from 0 up to 30°C.



Assembly instruction vQm valve

The valve is delivered in three parts:

- Bottom part, sealed in the liner
- Top part with closing lit
- Silicone disc



The assembly of these parts, after the bottom part has been sealed into the liner, has to be done in the following sequence:

- 1) **Click the top part, with lid, firmly on the bottom part (it really has to “click”).** Check that these parts are indeed secured tightly:



- 2) **Bend the silicone disc and insert it into the central part of the valve:**



- 3) **Check that the silicone disc can move up and down** inside the cylindrical chamber of the valve.

