

THE *Original* KEOFITT® STERILE SAMPLING SYSTEM



Keofitt® is a specialized Danish company established in 1980 by master brewer Kai Ottung. Kai Ottung worked as master brewer around the world and assisted many breweries developing their techniques. In the process he also developed a unique product range for sterile sampling for the medical-, the soft drink-, and the food industry, as well as, of course, for the breweries.

Today, Keofitt® a/s is owned by Henrik Lysgaard Salomon and Dopak Sampling Systems. Dopak Sampling Systems are produced and marketed by Dovianus BV, The Netherlands.

Dopak is the worldwide standard for sampling liquids, liquefied gases and gases in the chemical, petrochemical, pharmaceutical industries as well as in the biotechnology.

THIS IS HOW IT WORKS

The Keofitt® Membrane Sampling Valves are designed for both physical-, chemical and microbiological sampling. With a wide range of sterile sampling valves and various accessories the Keofitt® Sterile Sampling System is outstanding on the market, and has created a new standard for sterile sampling.

The principle in the Keofitt® Sterile Sampling System is the possibility to sterilize the valve after every sample, and continuously to have at disposal an aseptic representative of the media to be tested.

The illustration of the valve system above shows the extreme simplicity of the Keofitt® Membrane Sampling Valve, which makes it possible to obtain continuously aseptic sampling.

Inside the valve body the two hose pieces are connected through a ring channel around the rubber membrane, and owing to this construction it is possible to sterilize the interior of the valve before and after use.

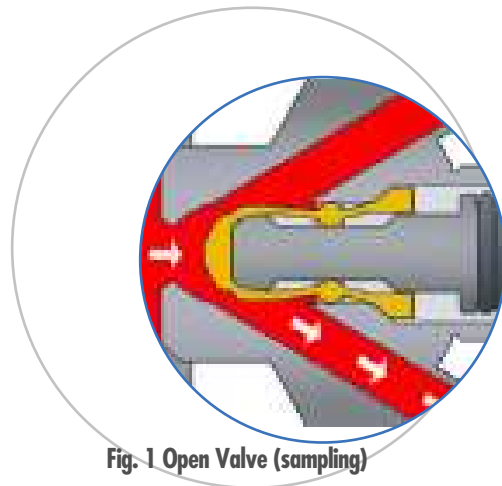


Fig. 1 Open Valve (sampling)

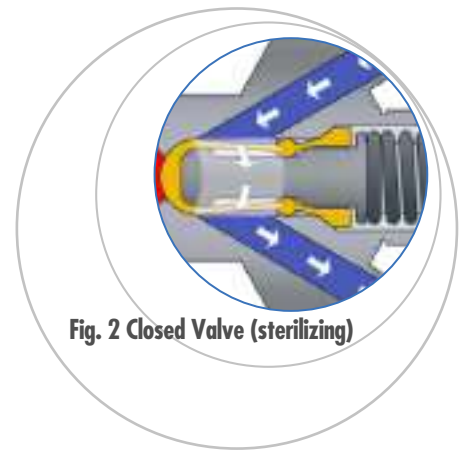
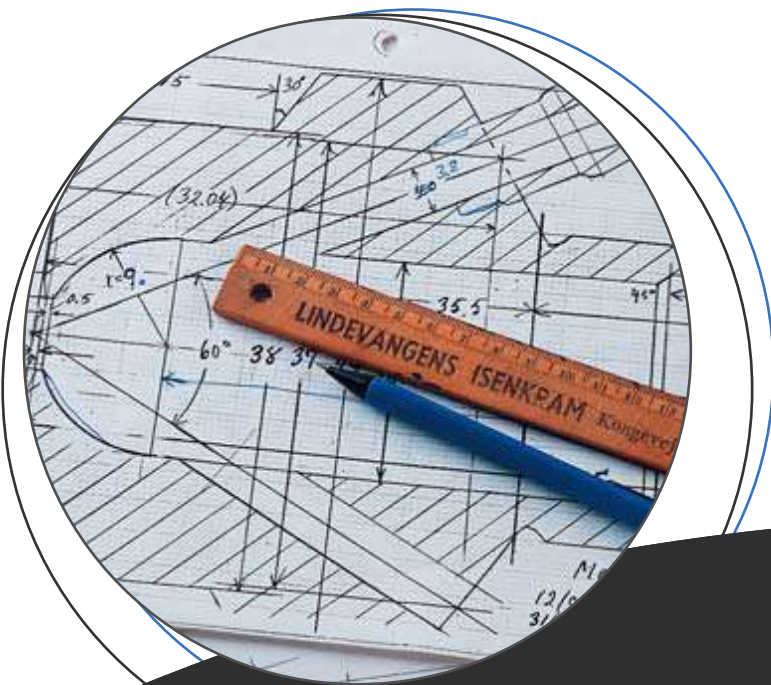


Fig. 2 Closed Valve (sterilizing)



APPLICATIONS

Representative sampling of liquids in:

- The brewing/beverage industry
- The dairy/food industry
- The wine industry
- The pharmaceutical industry and biotechnology.

ACKNOWLEDGEMENTS AND QUALIFICATIONS

- The valves are authorized to use the 3-A symbol
- The valves are made of certifiable/traceable 316L stainless steel (Werkstoff 1.4404)
- The rubber membranes are made of FDA approved compounds
- Validation guides are available to determine the suitability of the valves for your application, giving test summary data according to EHEDG's method for the assessment of in-line sterilizability of processing equipment
- The interior of the valve body and the hose pieces are: Ra 0.5 μm / 20 μm and can be electropolished to 0.2 μm / 8 μm
- The Keofitt® Membrane System holds the following patents:
- U.S pat 5,246,204. E.P.0468957
- More than 40,000 valves in use



The Keofitt® Membrane Sampling Valves consist of two parts – a valve body and a valve head.



THOUSANDS OF KEOFITT® USERS CAN'T BE WRONG

BREWERY LATROBE BREWING

Latrobe Brewing Co.,
Pennsylvania USA. Opened June
1, 1939 and famous for the
Rolling Rock brand.
Part of the Interbrew group
in Belgium.

"We are extremely satisfied
with the Keofitt® sample
valve. Based on the success
with our fermenters, we have
installed Keofitt® sampling
devices in other sensitive areas
like cold wort and yeast
handling."

Joe Gruss, Latrobe Brewing
Quality Services Manager



Novo Nordisk is one of the world's largest
biotechnology companies and a major force in diabetes
care. They are the world's largest producer of industrial
enzymes and insulin. They also manufacture a variety
of other pharmaceutical and bioindustrial products.

"FOR STERILE SAMPLING KEOFITT® IS IDEAL"

"At NOVO we have had the Keofitt® valve on test
for a period of time, and we have had very good
results. There is no doubt that Keofitt® is ideal when
we have to be absolutely sure of having a sterile sample.
It has the advantage that it has no dents or other
irregularities where residues could remain in spite of
good cleaning. Also it can easily be cleaned completely
while mounted."

John Mårtensen, Engineer
Novo Nordisk, Kalundborg, Denmark.



"THE PRODUCT IS UNIQUE AND THE PEOPLE ARE ON THEIR TOES"

At Branderup Dairy, one of MD FOODS' ultramodern
dairies in Jutland, dairy engineer Ejvind Skødt is very
clear on his reasons for preferring the Keofitt®
system.

"We were not sure that our previous system was
absolutely safe, when it came to sterile sampling, and
as we had to be 100% sure, we analysed every
alternative on the world market till we resolved to
Keofitt® where we felt absolutely safe. Today our
experience with the people at Keofitt® is very
positive. Their degree of service, follow-up and
creativity is top class, and I recommend their systems
to my colleagues in our trade."

Ejvind Skødt, Dairy engineer Arla Foods,
Branderup Dairy

Established on April 17, 2000 Arla Foods amba is the result
of a merger between the Danish MD Foods and the Swedish
Arla -'96 the first merger between two co-operatives from two different
countries. Arla Foods is owned by approx. 17,000 Danish and Swedish milk
producers who supply milk to the group. With approx. 7 billion kg milk
received and a turnover of approx. DKK 36 billion, Arla Foods is Europe's
largest dair group.

THE PRODUCTS

The Keofitt® standard product range includes numerous sizes and variations of the valve, allowing installation and operation of the sampling valves for literally every imaginable application. Please consult your Keofitt®-dealer or the Keofitt® Price List.

In addition, Keofitt® a/s offers the possibility to have valves custom-designed for specific purposes.

A wide range of accessories is available to ensure optimum use of the valves. For quick fittings, steam generators, aseptic sampling system, etc., please consult your Keofitt®-dealer or the Keofitt® Price List.



Automatic sterile sampling from a large number of sampling points is an important and necessary procedure in the production of easily contaminated liquids. Keofitt® has developed a complete system based on PLC control for maximum convenience and security.



Keofitt steam boiler

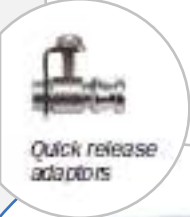
Valve body with weld connection



Complete information on product range, pricing etc. available from Keofitt® or your local dealer.



Manual valve heads, lever type



Quick release adaptors



Carlsberg Flasks



Micro Port septum

Removable handles for safety



Semi-automatic systems for in-line average sampling

THE PRODUCTS

Valve body and pipe machined in one piece for flush design



Custom-made valves with PTFE membrane



Manual valve heads, adjustable



Sampling valves with tri-clamp connection



"Invent" valve body



Pneumatic actuators



Valve body with threaded in- and outlet



Large valves for high viscosity sampling



Quick release fittings for PTFE tubing





The Microbe Controller



Keofitt® has specialized in projecting and supplying systems for sterile sampling.

To achieve the best result for our customers we make contracts to a wide extent with sub-suppliers, each a specialist in their field. So whatever need you might have for sterile sampling Keofitt® is your specialist in the field.

Dealer



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