



*membrane sample valves for the sterile sampling of liquids*



↻ M4, W9, W15 and W25 valves



↻ I52 Ingold valves

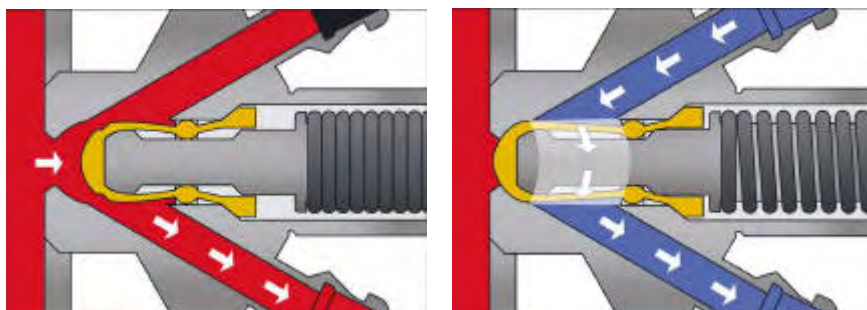
↻ **Keofitt**® has developed sterile sampling valves for all industries concerned with sanitary product quality like pharmaceutical, brewing, beverage and food industries.

The patented **Keofitt**® Membrane Sampling Valves are designed for physical, chemical and microbiological sampling.

With a wide range of sterile sampling valves and various accessories this sterile sampling system is outstanding on the market and are "3A", "FDA" and "EHEDG" certified.

↻ **Operation principle :**

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.



Open valve : sampling

Closed valve : Sterilizing



↻ Pneumatic actuators

### ↻ Dimensions & Applications :

#### Types of valves according to viscosity and operation:

**M4 valves:** outlets 4 mm - process 5mm  
0 to 100cP, particles Ø 1.5mm max (eg. water, olive oil)

**W9 valves:** outlets 9 mm - process 8mm  
0 to 1000cP, particles Ø 3mm max (eg. milk, creams)

**W15 valves:** outlets 15mm - process 15 mm  
0 to 50.000cP, particles Ø 8mm max (eg. yogourt, ketchup)

**W25 valves:** outlets 25mm - process 25 mm  
0 to 250.000cP, particles Ø 17mm max (eg. peanut butter)

**Ingold valves:** sampling on bio-reactors  
ports Ø 25mm - 0 to -800cP, particles Ø 1.2mm

**MicroPort valves:** sampling by syringing  
0 to 50cP for small volumes and liquids without particles (eg. water)

For more informations: [www.keofitt.dk](http://www.keofitt.dk)

### ↻ Benefits

- Representative sampling, giving repeatable results
- Membrane sealing directly against product
- Safe to secondary contamination
- Cleanable in place with vessel or line clean
- Completely sterilisable
- Manual and automatic operation
- All wetted parts SS AISI 316L (DIN 1.4404)
- Inner surface roughness RA 0,5 µm.
- PTFE, silicone, EPDM membranes FDA and BGVV

### ↻ Construction:



### ↻ Aseptic sampling systems :

The **Keofitt**® aseptic system enables user to take a truly representative aseptic sample. The system protects the sample against airborne contamination, while taking the sample and during transportation.

