

KEOFITT®
PRODUCT CATALOG 2020

Kullinggade 31
DK-5700 Svendborg
Denmark

Phone +45 6316 7080
www.keofitt.dk
www.samplingschool.com

DEAR CUSTOMER,

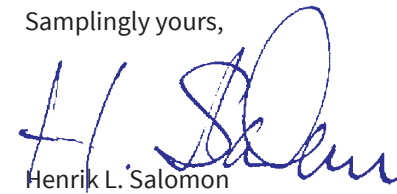
We hope you will find this 2020 KEOFITT Product Catalog helpful identifying the right KEOFITT product for your sampling application.

At KEOFITT we pride ourselves with the fact that “All we do is sampling!”. This is still true now more than 40 years after the company was founded.

Being the world market’s only true specialist KEOFITT has developed the widest and deepest product range available for hygienic, sterile and aseptic sampling of liquids in all industries.

Further information can be found at www.KEOFITT.dk or by contacting your local KEOFITT distributor.

Samplingly yours,



Henrik L. Salomon

KEOFITT SESAME

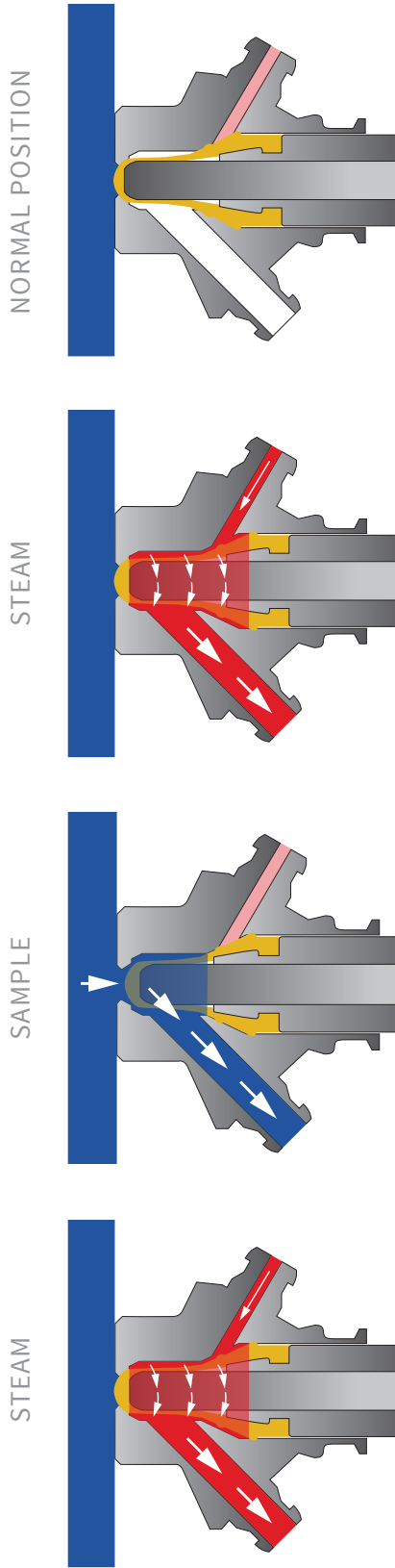
Taking the successful design of the classic KEOFITT valves to the third millennium: The patented KEOFITT SESAME is the only steam-sterilizable sampling valve in the world to completely eliminate the usually unavoidable dead-space involved with the steam-inlet connection.

This gives you:

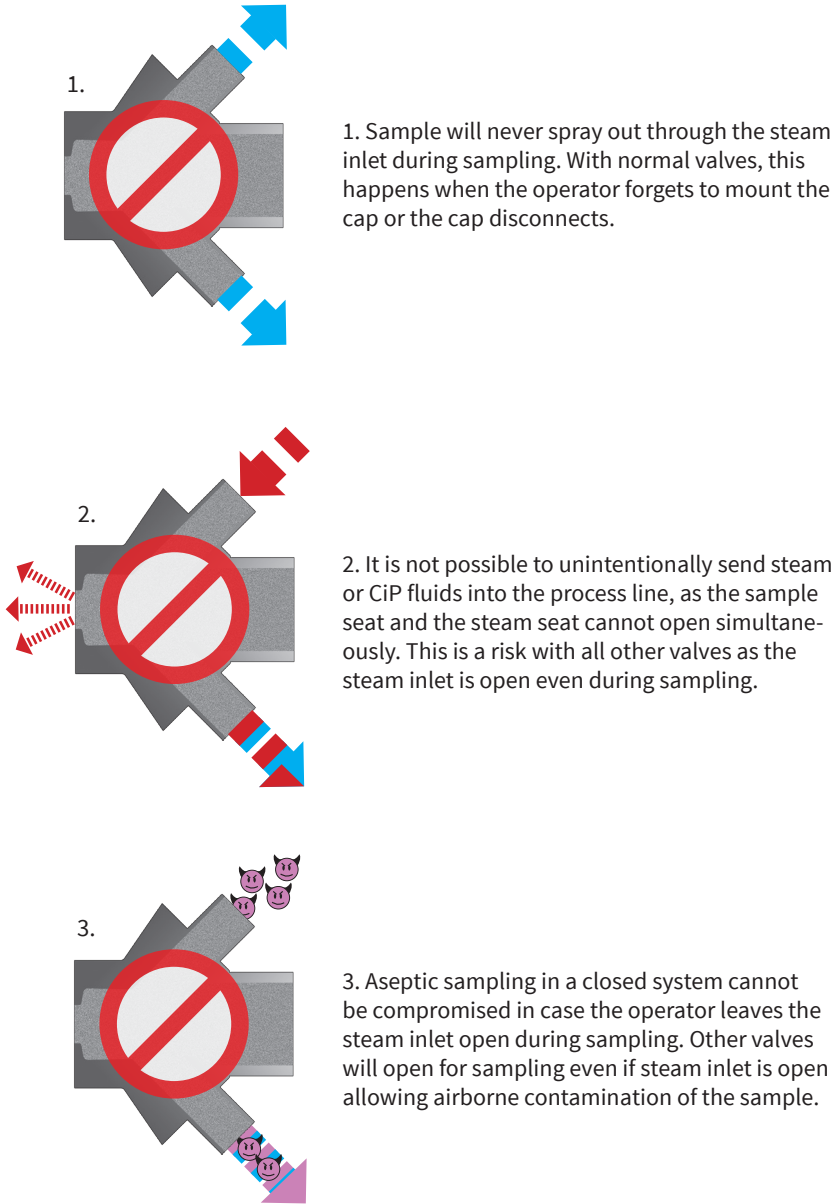
- No open steam inlet while sampling: No risk of steam condensate or other leftovers secretly contaminating your sample.
- Minimal volume in valve chamber when sampling: Minimal sample size required.
- Unique, incorporated sterilization of the area behind the membrane and the seal between the valve head and the valve chamber: No risk of cross-contamination from the valve actuator area.
- Increased efficiency during sterilization due to steam flow angle: Optimal sterilization of valve seat in minimum time.
- Unique, incorporated CIP/SIP control valve: Eliminates need for additional control valve in most cases.
- Fully drainable even when positioned upside-down in the bottom of a tank: More than just the best-ever sampling valve design, this makes it the best designed bottom/harvest valve in the marketplace.



HOW IT WORKS



ADVANTAGES



KEOFITT SESAME

The KEOFITT SESAME Sampling Valve is KEOFITT's newest and patented dual-seat sampling valve. Truly unique in the market, it offers optimal CIP and SIP conditions while also incorporating steam supply control and completely eliminating the steam inlet dead-space in other designs.

The unique feature of this valve is in its membrane design which incorporates two separate seats for sampling and sterilizing/ sanitizing, respectively. The second seat is located in the area sealing off the valve head. This design allows the sealing area to be sterilized along with the valve chamber prior to each sampling procedure. Furthermore, no separate inlet is required, thus eliminating any dead space while sampling.

The KEOFITT SESAME valve is designed for sampling of low or medium viscosity products in the range of 0-1,000 cP with particles less than 3 mm in diameter. Sampling of more viscous liquids is possible, only will it take longer (depending on process pressure). The double-seat SESAME™ valve is used in a range of applications such as brewery, dairy, pharmaceutical and biotechnological companies, with a wide range of products such as:

- Medical Solutions
- Filtered and Unfiltered Beer
- Creams and Lotions
- Unprocessed Milk
- Perfume

KEOFITT SESAME VALVE - BODIES

SESAME BODIES		WELDING BODIES			CONNECTION BODIES		
		TANK WELDING	PIPE WELDING	PIPE WELDING NW 25	VARIVENT Ø50	VARIVENT Ø68	MINI CLAMP
	HOSE PIECE	 890001	 890011	 890014*	 890008	 890009	 890036
	1/2" TRI-CLAMP	 890006	 890010	On request	On request	 890013	 890039
	THREAD M16X1,5	On request	On request	On request	On request	On request	On request
	1/2" WELDING ENDS	 890007	 890019*	On request	On request	On request	On request

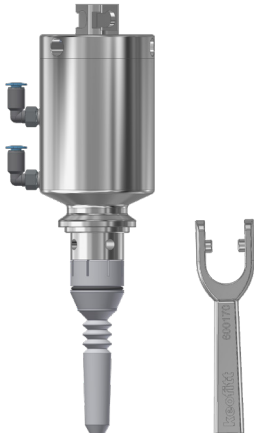
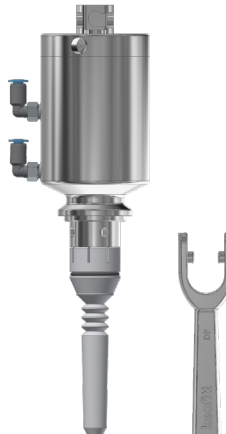
* ON REQUEST ONLY!

CONNECTION BODIES				INGOLD	
CLAMP 1" & 1½"	CLAMP 2"	THREAD	UNION DIN 11851	INGOLD 40 MM PORT LENGTH	INGOLD 50 MM PORT LENGTH
 NA-CONNECT ASME/DIN 890021	 890003	On request	 890040	On request	On request
 NA-CONNECT ASME/DIN 890022	 890005	On request	On request	 893105	 893205
On request	On request	On request	On request	On request	On request
On request	On request	On request	On request	On request	On request

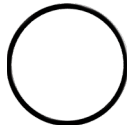
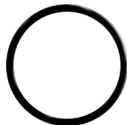
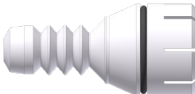
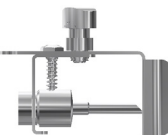
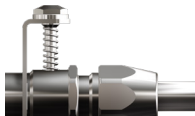
KEOFITT SESAME VALVE - HEADS

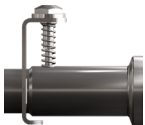
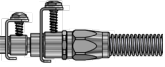
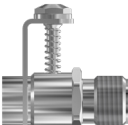
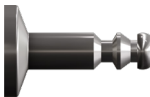
SESAME HEADS			TYPE H TURN KNOB 0-10 BAR	TYPE Q LEVER HANDLE 0-10 BAR	TYPE N PNEUMATIC 0-10 BAR
SILICONE					
			890041	890043	890044
EPDM					
			890041E	890043E	890044E
PTFE					
			895541	895543	895544

KEOFITT SESAME INGOLD VALVE - HEADS

SESAME INGOLD HEADS			TYPE H TURN KNOB 0-10 BAR	TYPE Q LEVER HANDLE 0-10 BAR	TYPE N PNEUMATIC 0-10 BAR	
INGOLD I40 PTFE		893141PTFE		893143PTFE		893144PTFE
		893241PTFE		893243PTFE		893244PTFE

KEOFITT SESAME - PARTS & ACCESSORIES

SESAME PARTS & ACCESSORIES	O-RINGS	 400208 EPDM 60X3	 400308 EPDM 42X3	 880830 EPDM 20.35X1.78	 550184 FESTO		
	MEMBRANES	 890051 SILICONE	 890052 EPDM	 890055 PTFE	 895531 PTFE (I40)	 895532 PTFE (I52)	
	FOR HOSE PIECE	 800013 QC SPIKE	 800058 COIL	 800061 QC PLUG	 800070 QC STEEL PIPE	 800091 QC PTFE	 800082 QC HOSE BARB 3/8
	FOR MINI TRI-CLAMP	 900013 MINI CLAMP SPIKE	 300021 CLAMP PTFE 10/8	 550002.2 PTFE QC/TC 0.5M	 550003.2 PTFE QC/TC 1M	 550004 PTFE TC 0.5M	 550005 PTFE TC 1.0M
	FOR VALVE HEADS	 880255 TOOL FOR PTFE	 890170 LEVER HANDLE Q	 890370 LEVER HANDLE SELF-CLOSING Q	 600170 LEVER HANDLE N	 600370 LEVER HANDLE SELF-CLOSING	
	MISC.	 890063 SINGLE ST. ST.	 890064 DOUBLE ST. ST. CHAIN	 900075 CLAMP RING 1/2"	 900086 CLAMP RING 1"	 900189 CLAMP RING FOR SESAME VALVE	 900021 MINI BLIND CAP
		 700108 HP W9 F/WELDING	 800052 HP/HP W9	 900031 HP W9/ MALE THREAD M12X1			

 800083 QC TC	 800086 QC W9 WITH M4 HP	 550057 KÄRCHER ADAPTER	 600062 RUBBER CAP	 900045 QC SYRINGE INJECTION	 550002 PTFE QC 0.5M	 550003 PTFE QC 1.0M
 800014 ADAPTER TC/1"	 800171 QC ADAPTER HP/ THREAD	 900096 ADAPTER HP/TC	 900097 ADAPTER M4 HP/TC			
 900047 TUBE PTFE 10/8	 900087 GASKET EPDM 1/2"	 900091 GASKET EPDM 1"	 900092 GASKET EPDM 2"	 900074 GASKET EPDM 3/4"		

KEOFITT CLASSIC

Coaxial steam sterilizable design with separate inlet for SIP and CIP: The reference for hygienic and microbiological sampling for four decades, this is the original, in-situ sterilizable sampling valve that continues to revolutionize the field of sterile sampling.

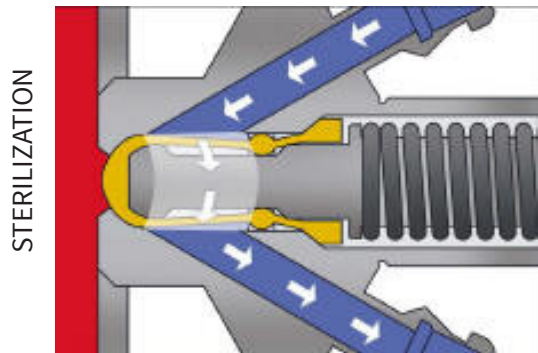
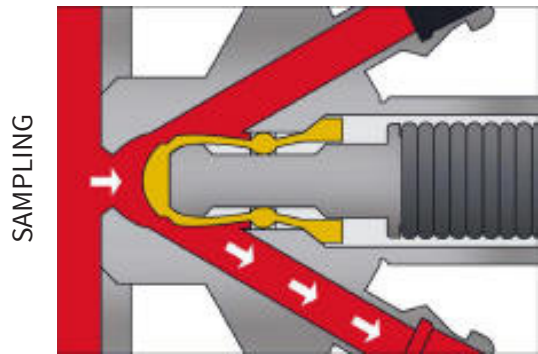
Refined over the years - inside electro-polish being the latest addition - it remains the most popular and best selling valve in the market by far. It is based on Keofitt's unique, patented membrane and is used in more than 300,000 sampling points worldwide.

Available in several models/sizes:

- W9 (ID 9 MM)
- “INGOLD” (ID 9 MM)
- M4 (ID 4 MM)
- 4KAI (ID 5 MM)
- W15 (ID 15MM)
- W25 (ID 25MM)



HOW IT WORKS



KEOFITT CLASSIC W9 SAMPLING VALVE

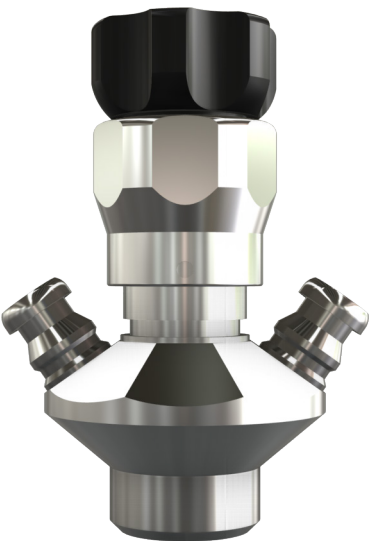
The KEOFITT CLASSIC W9 Sampling Valve is considered the father of all steam-sterilizable sampling valves. Refined through 40 years of experience it remains KEOFITT's most popular sampling valve. Designed for the sampling of medium viscosity products in the range of 0-1000 cP with particles less than 3 mm in diameter, it covers most needs for liquid sampling. Sampling of more viscous liquids is possible, only will it take longer (depending on process pressure).

This valve is used in a range of industries such as brewery, dairy, pharmaceutical and bio-tech for products such as:

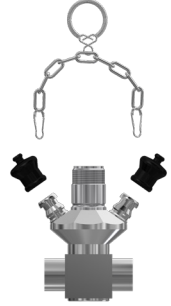
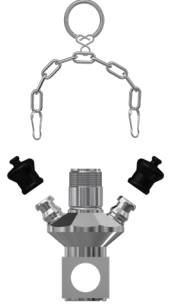
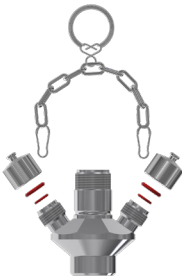
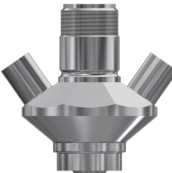
- Medical solutions
- Filtered Beer
- Creams and lotions
- Unprocessed milk

Besides the selection of the Valve Body and the Valve Head there are three different membrane materials to choose from: Silicone, EPDM and PTFE.

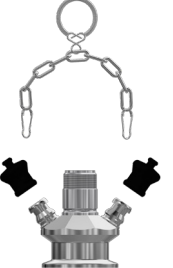
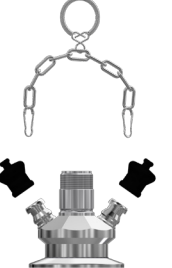
Accessories include quick couplings for the connection of tubing, piping and more.



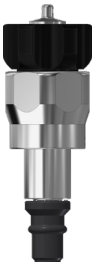
KEOFITT CLASSIC W9 SAMPLING VALVE - BODIES

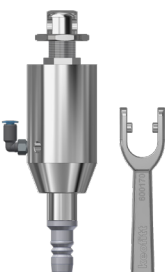
W9 BODIES		WELDING BODIES				
		TANK WELDING	PIPE WELDING 1"	PIPE WELDING NW25	IN-LINE VERTICAL	IN-LINE HORIZONTAL
	HOSE PIECE	 850001	 850011	 850014	 850027*	 850028*
	1/2" TRI-CLAMP	 850006	 850010	<i>On request</i>	<i>On request</i>	<i>On request</i>
	THREAD M16X1,5	 850015	 850016	 850018	<i>On request</i>	<i>On request</i>
	1/2" WELDING ENDS	 850007	 850019	<i>On request</i>	<i>On request</i>	<i>On request</i>

* ON REQUEST ONLY!

CONNECTION BODIES						
VARIVENT Ø50	VARIVENT Ø68	MINI CLAMP	CLAMP 1" & 1½"	CLAMP 2"	CLAMP 3"	THREAD M28X1,5
 850008	 850009	 850036	 850021	 850003	 850004	 M28X1.5 850031 DIN 11851 DN 10 850040
 850020	 850013	 850039	 850022  850025	 850005  850026	<i>On request</i>	
<i>On request</i>	<i>On request</i>	<i>On request</i>	 850024	<i>On request</i>	<i>On request</i>	 850037 M28X1.5
<i>On request</i>	<i>On request</i>	<i>On request</i>	<i>On request</i>	<i>On request</i>	<i>On request</i>	

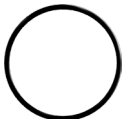
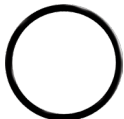
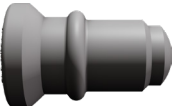
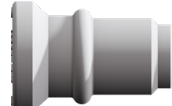
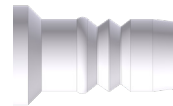
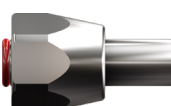
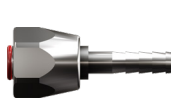
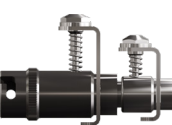
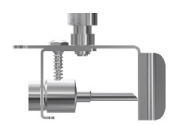
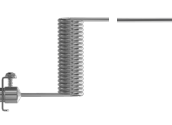
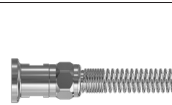
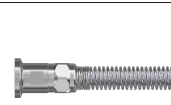
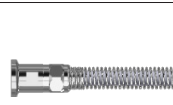
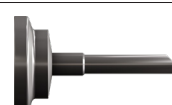
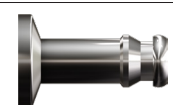
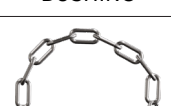
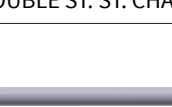
KEOFITT CLASSIC W9 SAMPLING VALVE - HEADS

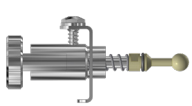
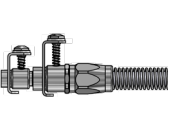
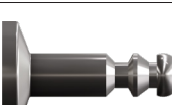
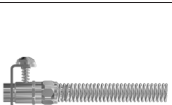
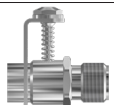
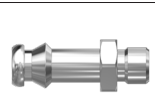
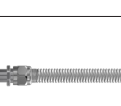
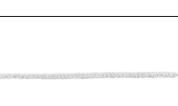
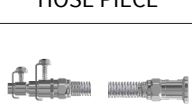
W9 HEADS		TYPE H TURN KNOB 0-10 BAR (FFKM 0-6 BAR)	TYPE H TURN KNOB W/. MICROPORT 0-10 BAR	TYPE K KEY RING 0-10 BAR (FFKM 0-6 BAR)	TYPE K KEY RING W/OPT. MICROPORT 0-10 BAR
	SILICONE	 600041	 600048	 600042	 600049
	EPDM	 600041E	 600048E	 600042E	 600049E
	FFKM	 600041F	<i>Not available</i>	 600042F	<i>Not available</i>
	PTFE	 855541	<i>Not available</i>	 855542	<i>Not available</i>

TYPE Q LEVER HANDLE 0-10 BAR (FFKM 0-6 BAR)	TYPE N PNEUMATIC 0-10 BAR (FFKM 0-6 BAR)	TYPE N PNEUMATIC, ADJUSTABLE 0-10 BAR (FFKM 0-6 BAR)	TYPE B NO SPRING 0-12 BAR(G)
 600043	 600044	 600045	 600047
 600043E	 600044E	 600045E	 600047E
 600043F	 600044F	 600045F	 600047F
 855543	 855544	 855545	 855547

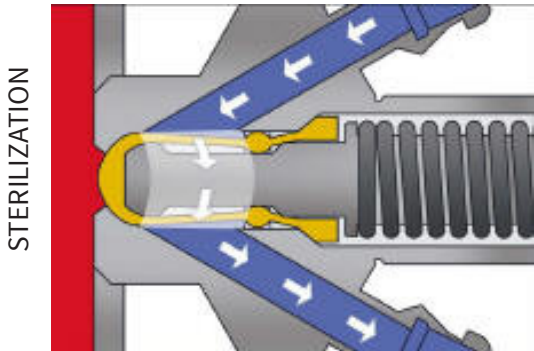
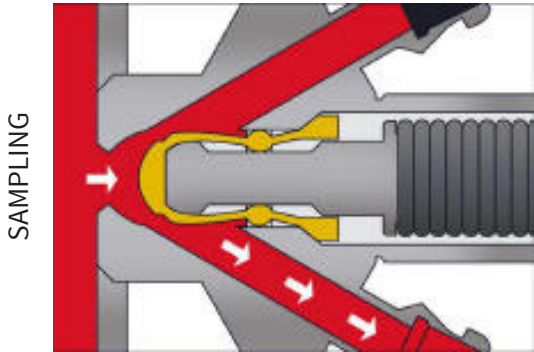
KEOFITT CLASSIC W9 - PARTS & ACCESSORIES

W9™ PARTS & ACCESSORIES

W9™ PARTS & ACCESSORIES	O-RINGS	 400208 EPDM 60X3	 400308 EPDM 42X3	 550184 FESTO	 600825 SILICONE 7.1X1.6	 600825E EPDM 7.1X1.6	 800830 10.3X2.4 SILIC
	MEMBRANES	 600051 SILICONE	 600052 EPDM	 600251 SILICONE MP	 600252 EPDM MP	 600053 FFKM	 850055 PTFE
	FOR THREAD M16X1,5	 700061 STEEL CAP	 700070 TUBE FITTING WL	 700071 TUBE FITTING PTFE	 700084 BARB 4MM	 700085 BARB 6MM	 700062 HP W9 16X1.5
	FOR HOSE PIECE	 550057 KÄRCHER ADAPTOR	 600062 RUBBER CAP	 800013 QC SPIKE	 800058 COIL	 800059 XL COIL	 800070 QC STEEL PIPE
	FOR MINI TRI-CLAMP	 300021 CLAMP PTFE 10/8	 550004 PTFE TC 0.5M	 550005 PTFE TC 1.0M	 800014 ADAPTER TC/1"	 900013 MINI CLAMP SPIKE	 900096 ADAPTOR W9/W15 HP/TC
	FOR VALVE HEADS	 600076 KEY RING	 600149 BUSHING	 600170 LEVER HANDLE Q/N	 600255 TOOL PTFE	 600370 LEVER HANDLE SELF-CLOSING	 900018 TOMMY BAR
	MISC.	 600064 DOUBLE ST. ST. CHAIN	 600066 SINGLE ST. ST. CHAIN	 900022 NEEDLE	 400166 PROXIMITY SENSOR	 600266 PROXIMITY SENSOR	 600267 PROXIMITMOUNTING KIT
		 900047 TUBE PTFE 10/8	 900186 CLAMP RING 2"	 900075 CLAMP RING 1/2"	 900086 CLAMP RING 1"	 900021 BLIND CAP	 900076 BLIND CAP 1"

 800830E EPDM 10.3X2.4	 800859 SILICONE 7.5X2.5	 900829 EPDM 21X4				
 800077 EMERGENCY TOOL						
 800061 QC PLUG	 800082 QC HOSE BARB 3/8	 800083 QC TC	 800086 QC W9 WITH M4 HP	 900045 QC SYRINGE INJECTION	 550003 PTFE QC 1.0M	 550002 PTFE QC 0.5M
 900097 ADAPTER M4 HP/TC				 800091 QC PTFE	 800171 QC PTFE M16X1.5	 900031 HP MALE THREAD M12
 700108 HOSE PIECE	 800052 HOSE PIECE/ HOSE PIECE	 800075 WELDING PIECE FOR PTFE	 850840 PINOL SCREW	 900008 SOCKET ALU-TANKS	 900069 WICK FOR W9 VALVE MP	
 550002.2 PTFE QC/TC 0.5M	 550003.2 PTFE QC/TC 1.0M	 900092 GASKET EPDM 2"	 900093 GASKET EPDM 3"	 900074 GASKET EPDM 3/4"	 900087 GASKET 1/2"	 900091 GASKET EPDM 1"

HOW IT WORKS



KEOFITT CLASSIC “INGOLD” SAMPLING VALVE

The KEOFITT CLASSIC “INGOLD” sampling valve is designed to fit bio-connectors type Ingold®. Designed for the sampling of medium viscosity products in the range of 0-1000 cP with particles less than 2 mm in diameter, it covers most needs for liquid sampling. Sampling of more viscous liquids is possible, only will it take longer (depending on process pressure).

This valve is used in a range of industries such as brewery, dairy, pharmaceutical and bio-tech for products such as:

- Medical solutions
- Filtered Beer
- Creams and lotions
- Unprocessed milk

Besides the selection of the Valve Body and the Valve Head there are three different membrane materials to choose from: Silicone, EPDM and PTFE.

Accessories include quick couplings for the connection of tubing, piping and more.



KEOFITT CLASSIC “INGOLD” SAMPLING VALVE - BODIES

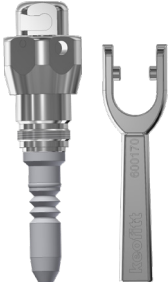
INGOLD BODIES	STANDARD FOR 40 MM PORT LENGTH*	
	HOSE PIECE	
MINI TRI-CLAMP		
	310002	310005
WELDING LINER		

* OTHER PORT LENGTH - AVAILABLE ON REQUEST

STANDARD FOR 52 MM PORT LENGTH*			
			
			
			
			
			
			
			
			

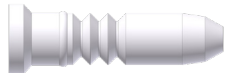
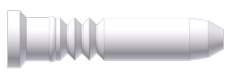
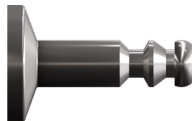
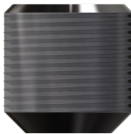
* OTHER PORT LENGTH - AVAILABLE ON REQUEST

KEOFITT CLASSIC “INGOLD” SAMPLING VALVE - HEADS

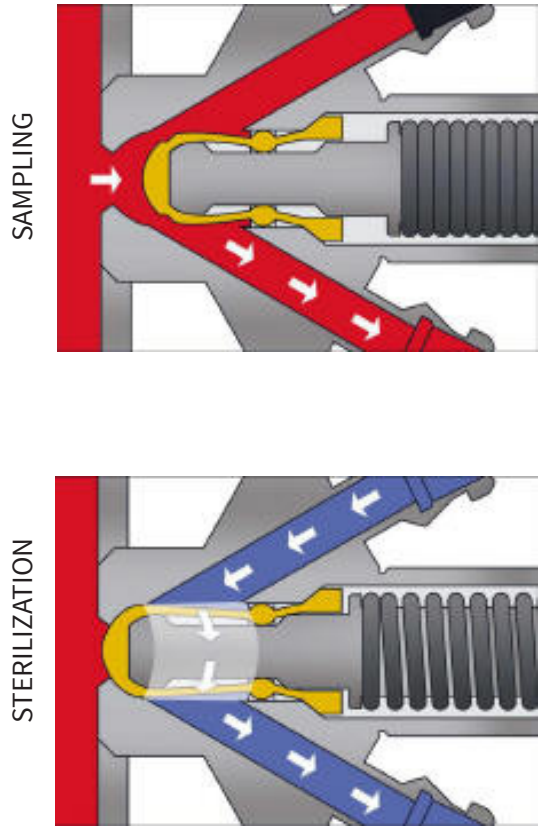
INGOLD HEADS	TYPE H TURN KNOB 0-10 BAR(G)		TYPE Q LEVER HANDLE 0-10 BAR(G)	
	SILICONE			
				
	310041	320041	310043	320043
EPDM				
	310041E	320041E	310043E	320043E
PTFE				
	315541	325541	315543	325543

TYPE N LEVER HANDLE PNEUMATIC 0-10 BAR(G)		TYPE N PNEUMATIC, ADJUSTABLE 0-10 BAR
		On request
310044	320044	
		On request
310044E	320044E	
		On request
315544	325544	

KEOFITT CLASSIC “INGOLD” - PARTS & ACCESSORIES

W9™ INGOLD PARTS & ACCESSORIES	O-RINGS	 300118 EPDM 20.24X2.62	 300119 20.24X2.62 FDA	 550184 FESTO								
	MEMBRANES	 310051 SILICONE (I40)	 310052 EPDM (I40)	 310055 PTFE (I40)	 320051 SILICONE (I52)	 320052 EPDM (I52)		 320055 PTFE (I52)				
	FOR MINI TRI-CLAMP	 300021 CLAMP PTFE 10/8	 550004 PTFE TC 0.5M	 550005 PTFE TC 1.0M	 800014 ADAPTER MINI CLAMP /1” CLAMP	 800083 QC TC		 900013 MINI CLAMP SPIKE	 900096 ADAPTER HP/TC	 900097 ADAPTOR M4 HP/TC		
	FOR VALVE HEADS	 300255 TOOL PTFE (I40/I52)	 600149 BUSHING	 600170 LEVER HANDLE Q/N	 600370 LEVER HANDLE SELF-CLOSING	 900074 GASKET EPDM 3/4”		 900087 GASKET EPDM 1/2”	 550002.2 PTFE TUBING W/QC/TC 0.5M	 550003.2 PTFE TUBING W/QC/TC 1 M	 900018 TOMMY BAR	 850840 PINOL SCREW F/W9 HEAD
	MISC.	 320530 ADAPTOR 30MM (I52)	 320540 ADAPTOR 40 MM (I52)	 320830 ADAPTOR PTFE 50MM (I52)	 900075 CLAMP RING 1/2”	 900021 BLIND CAP FOR MINI CLAMP		 700108 HOSE PIECE W9	 400166 PROXIMITY SWITCH FOR M4/W9	 600266 PROXIMITY SENSOR W9 - CLOSED POS.	 600267 PROXIMITY SENSOR MOUNTING KIT W9	

HOW IT WORKS



KEOFITT CLASSIC M4 SAMPLING VALVE

The KEOFITT CLASSIC M4 Sampling Valve is the smallest KEOFITT valve available. It is designed for the sampling of low viscosity products in the range of 0-100 cP with particles less than 1.5 mm in diameter. Sampling of more viscous liquids is possible, only will it take longer (depending on process pressure).

This valve is used in a range of industries such as brewery, dairy, pharmaceutical and bio-tech for products such as:

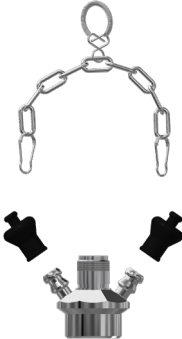
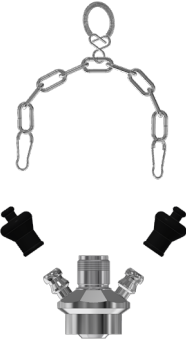
- Water
- Milk
- Medical solutions
- Filtered Beer
- Perfume
- Olive Oil

Besides the selection of the Valve Body and the Valve Head there are three different membrane materials to choose from: Silicone, EPDM and PTFE.

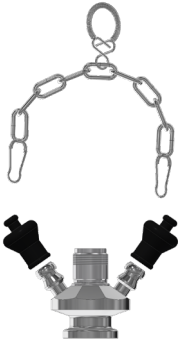
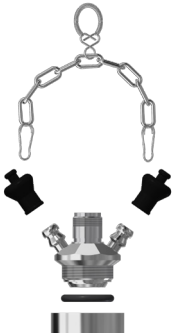
Accessories include quick couplings for the connection of tubing, piping and more.



KEOFITT CLASSIC M4 SAMPLING VALVE - BODIES

		WELDING BODIES				
		TANK WELDING Ø28	PIPE WELDING 1”	PIPE WELDING NW25	IN-LINE VERTICAL	IN-LINE HORIZONTAL
M4 BODIES	HOSE PIECE					
		400001	400011	400014	400027*	400028*

* ON REQUEST ONLY!

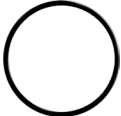
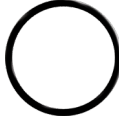
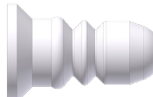
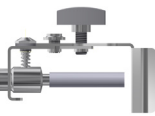
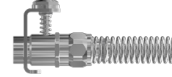
CONNECTION BODIES				
VARIVENT Ø50	VARIVENT Ø68	MINI CLAMP	CLAMP 1”& 1½”	THREAD M28X1,5
				
400010	400009	400021	400022	400031

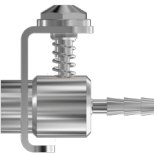
KEOFITT CLASSIC M4 SAMPLING VALVE - HEADS

M4 HEADS		TYPE H TURN KNOB 0-10 BAR (G)	TYPE K KEY RING 0-10 BAR (G)	TYPE Q LEVER HANDLE 0-10 BAR (G)
	SILICONE	 400041	 400042	 400043
	EPDM	 400041E	 400042E	 400043E
	PTFE	 405541	 405542	 405543

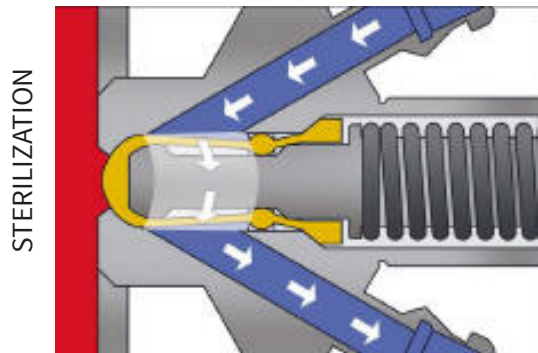
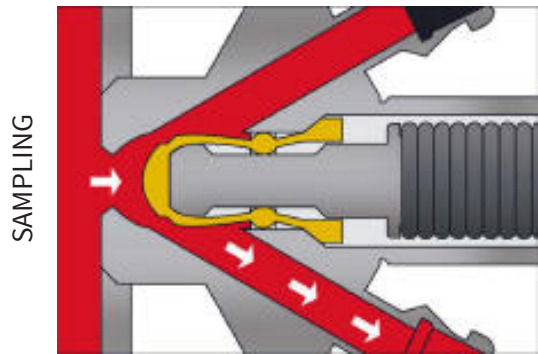
TYPE N PNEUMATIC 0-10 BAR (G)	TYPE N PNEUMATIC, ADJUSTABLE 0-10 BAR (G)	TYPE B NO SPRING 0-12 BAR (G)
 400044	 400045	 400047
 400044E	 400045E	 400047E
 405544	 405545	 405547

KEOFITT CLASSIC M4 - PARTS & ACCESSORIES

M4™ PARTS & ACCESSORIES	O-RING	 400208 EPDM 60X3	 400308 EPDM 42X3	 400830 SILICONE 5.3X2.4	 400830E EPDM 5.3X2.4	 550184 FESTO	 600825 SILICONE 7.1X1.6
	MEMBRANE	 400051 SILICONE	 400052 EPDM	 400055 PTFE			
	FOR HOSE PIECE	 400013 QC SPIKE	 400058 COIL	 400061 QC PLUG	 400062 RUBBER CAP	 400070 QC PIPE	 400091 QC PTFE
	FOR VALVE HEADS	 400076 KEY RING	 400149 BUSHING	 400166 PROXIMITY SENSOR	 400167 PROXIMITY MOUNTING KIT	 400255 TOOL PTFE	 600170 LEVER HANDLE Q/N
	MISC.	 400064 DOUBLE ST. ST. CHAIN	 400067 HOSE PIECE 10/8	 900008 SOCKET ALU-TANKS	 900075 CLAMP RING 1/2"	 900086 CLAMP RING 1"	 550002.2 PTFE QC/TC 0.5M

 800859 SILICONE 7.5X2.5	 900820 SILICONE 5.1X1.6	 900829 EPDM 21X4				
 400083 QC MINI TC	 400084 QC FOR ID 4MM	 400085 QC FOR ID 5MM	 400086 QC M4 WITH W9 HP	 550002 PTFE QC 0.5M	 550003 PTFE QC 1.0M	 550057 KÄRCHER ADAPTOR
 600370 LEVER HANDLE SELF-CLOSING	 900018 TOMMY BAR					 400082 QC M4 F/HOSE ID3.1MM
 550003.2 PTFE QC/TC 1M	 900074 GASKET EPDM 3/4"	 900087 GASKET 1/2"	 900091 GASKET EPDM 1"			

HOW IT WORKS



KEOFITT CLASSIC 4KAI SAMPLING VALVE

The KEOFITT CLASSIC 4KAI Sampling Valve is the smallest KEOFITT CLASSIC valve available. It is designed for the sampling of low viscosity products in the range of 0-100 cP with particles less than 1.5 mm in diameter. Sampling of more viscous liquids is possible, only will it take longer (depending on process pressure).

This valve is used in a range of industries such as brewery, dairy, pharmaceutical and bio-tech for products such as:

- Water
- Milk
- Medical solutions
- Filtered Beer
- Perfume
- Olive Oil

Besides the selection of the Valve Body and the Valve Head there are three different membrane materials to choose from: Silicone, EPDM and PTFE.

Accessories include quick couplings for the connection of tubing, piping and more.



KEOFITT CLASSIC 4KAI SAMPLING VALVE - BODIES

4KAI BODIES	HOSE PIECE	WELDING BODIES	
		TANK WELDING Ø28	PIPE WELDING 1"
		 440001	 440011

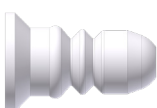
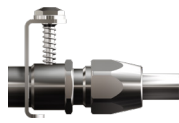
CONNECTION BODIES	
MINI CLAMP	CLAMP 1" & 1½"
 440021	 440022

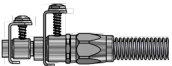
KEOFITT CLASSIC 4KAI SAMPLING VALVE - HEADS

4KAI HEADS		TYPE H TURN KNOB 0-10 BAR (G)
	SILICONE	 440041
	EPDM	 440041E
	PTFE	 445541

TYPE N PNEUMATIC 0-10 BAR (G)	
	
440044	
	
440044E	
	
445544	

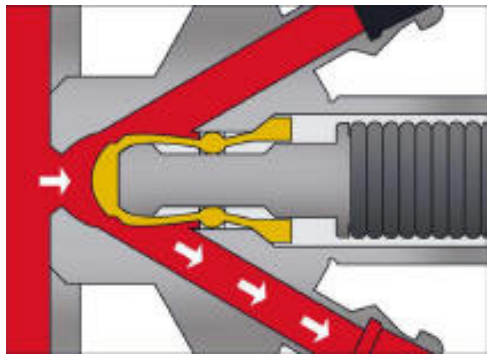
KEOFITT CLASSIC 4KAI - PARTS & ACCESSORIES

4KAI™ PARTS & ACCESSORIES	O-RINGS	 800830 10.3X2.4 SILIC	 800830E EPDM 10.3X2.4	 550184 FESTO	 600825 SILICONE 7.1X1.6		
	MEMBRANES	 400051 SILICONE	 400052 EPDM	 400055 PTFE			
	FOR HOSE PIECE	 550057 KÄRCHER ADAPTOR	 800082 QC HOSE BARB 3/8	 800083 QC TC	 800086 QC W9 WITH M4 HP	 800061 QC PLUG	 800070 QC STEEL PIPE
		 600062 RUBBER CAP					
	FOR VALVE HEADS	 900018 TOMMY BAR	 600370 LEVER HANDLE SELF-CLOSING	 600170 LEVER HANDLE Q/N	 400255 TOOL PTFE		
	MISC.	 440064 DOUBLE ST. ST. CHAIN	 900086 CLAMP RING 1"	 900075 CLAMP RING 1/2"	 900047 TUBE PTFE 10/8	 900087 GASKET 1/2"	 900091 GASKET EPDM 1"

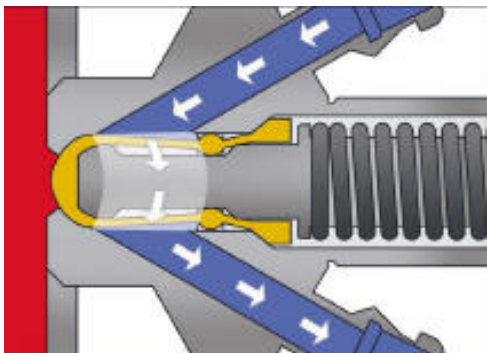
 900045 QC SYRINGE INJECTION	 900031 HP MALE THREAD M12	 800058 COIL	 800059 XL COIL	 800091 QC PTFE	 550003 PTFE QC 1.0M	 550002 PTFE QC 0.5M
 550002.2 PTFE QC/TC 0.5M	 550003.2 PTFE QC/TC 1.0M	 440149 BUSHING FOR 4KAI/ BASIX HEAD	 800052 HOSE PIECE/ HOSE PIECE			

HOW IT WORKS

SAMPLING



STERILIZATION



KEOFITT CLASSIC W15 SAMPLING VALVE

The KEOFITT CLASSIC W15 Sampling Valve is designed for high viscosity products in the range of 0-50,000 cP with particles up to 8 mm in diameter. Sampling of more viscous liquids is possible, only will it take longer (depending on process pressure).

This valve is used in a range of industries such as brewery, dairy, pharmaceutical and bio-tech for products such as:

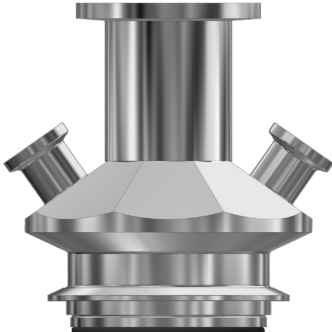
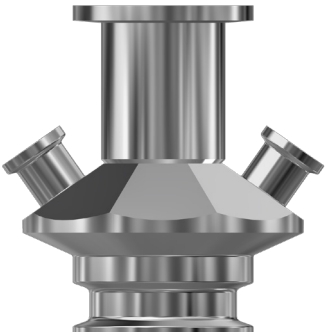
- Yoghurt
- Honey
- Syrup
- Ketchup
- Marmalade
- Creams and lotions
- Fruit pulp products

Available with PTFE membrane.



KEOFITT CLASSIC W15 SAMPLING VALVE - BODIES

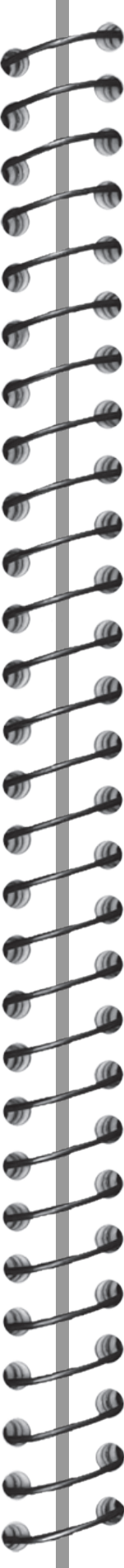
W15 BODIES		WELDING BODIES	
		TANK WELDING	PIPE WELDING
	3/4" TRI-CLAMP	 860001	 860011
	3/4" WELDING ENDS	 860007	On request

CONNECTION BODIES			
VARIVENT Ø68	CLAMP 1"	CLAMP 2"	CLAMP 3"
 860009	 860004*	 860002	 860003
On request	On request	On request	

* ON REQUEST ONLY!

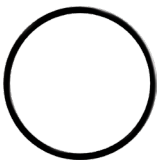
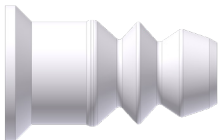
KEOFITT CLASSIC W15 SAMPLING VALVE - HEADS

		TYPE H TURN KNOB 0-10 BAR (G)	TYPE B NO SPRING 0-12 BAR (G)
W15 HEADS			
	PTFE	 865541	 865547



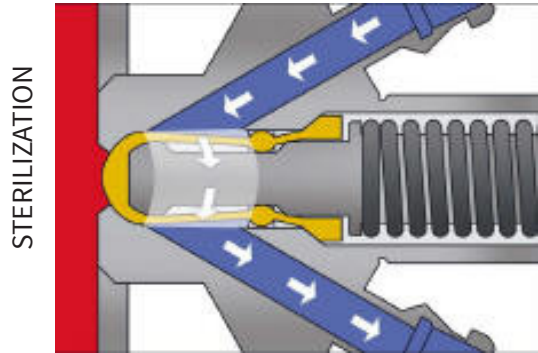
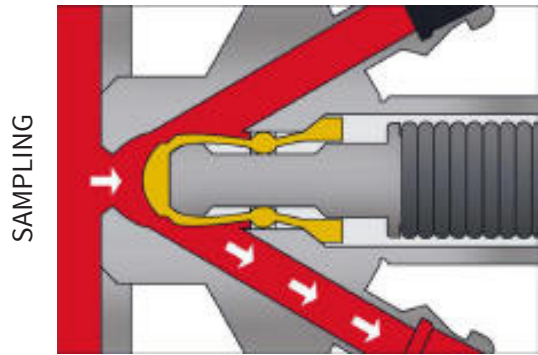
		TYPE N PNEUMATIC 0-10 BAR (G)
		 865544

KEOFITT CLASSIC W15 - PARTS & ACCESSORIES

W15™ PARTS & ACCESSORIES	O-RINGS	 400208 EPDM 60X3	 550184 FESTO	
	MEMBRANES	 860055 PTFE		
	FOR MINI TRI-CLAMP	 300021 CLAMP PTFE 10/8	 550004 PTFE TC 0.5M	 550005 PTFE TC 1.0M
	FOR VALVE HEADS	 600170 LEVER HANDLE Q/N	 600370 LEVER HANDLE SELF-CLOSING	 860255 TOOL PTFE
	MISC.	 900075 CLAMP RING 1/2"	 900074 GASKET EPDM 3/4"	 900092 GASKET EPDM 2"

 800014 ADAPTER TC/1"	 900013 MINI CLAMP SPIKE	 900096 ADAPTER HP/TC
 900093 GASKET EPDM 3"	 900186 2" CLAMP RING	 900021 BLIND CAP F/MINI TRI CLAMP

HOW IT WORKS



KEOFITT CLASSIC W25 SAMPLING VALVE

The KEOFITT CLASSIC W25 Sampling Valve is the largest KEOFITT sampling valve. Designed for sampling of very high viscosity products in the range of 0-250,000 cP and particles less than 17 mm in diameter. Sampling of more viscous liquids is possible, only will it take longer (depending on process pressure).

This valve is used in a range of industries such as food, dairy, pharmaceutical and bio-tech for products such as:

- Peanut Butter
- Fruit Pulp
- Syrup
- Cellulose
- Fruit Mixed Products
- Cosmetics

Available with PTFE membrane.



KEOFITT CLASSIC W25 SAMPLING VALVE - BODIES

W25 BODIES		WELDING BODIES	
		TANK WELDING	PIPE WELDING
	1" CLAMP	 870001	<i>On request</i>
	VELDING LINER	<i>On request</i>	<i>On request</i>

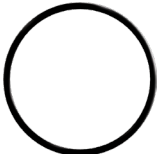
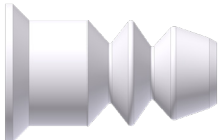
CONNECTION BODIES	
VARIVENT Ø68	CLAMP 3"
 870009	 870003
<i>On request</i>	<i>On request</i>

KEOFITT CLASSIC W25 SAMPLING VALVE - HEADS

W25 HEADS		TYPE N LEVER HANDLE PNEUMATIC
PTFE		875544

TYPE B NO SPRING 0-12 BAR
 875547

KEOFITT CLASSIC W25 - PARTS & ACCESSORIES

W25™ PARTS & ACCESSORIES	O-RINGS	 400208 EPDM 60X3	 900091 GASKET EPDM 1”	
	MEMBRANES	 870055 PTFE		
	FOR VALVE HEADS	 870255 TOOL PTFE		
	MISC.	 900086 CLAMP RING 1”	 800014 ADAPTER TC/1”	 900093 GASKET EPDM 3”

 900187 CLAMP RING FOR W25 VALVE		

KEOFITT BASIX

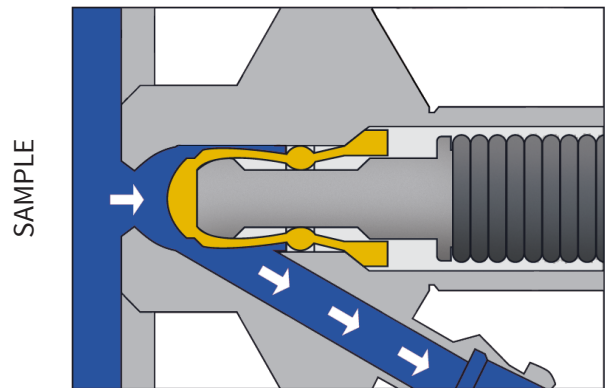
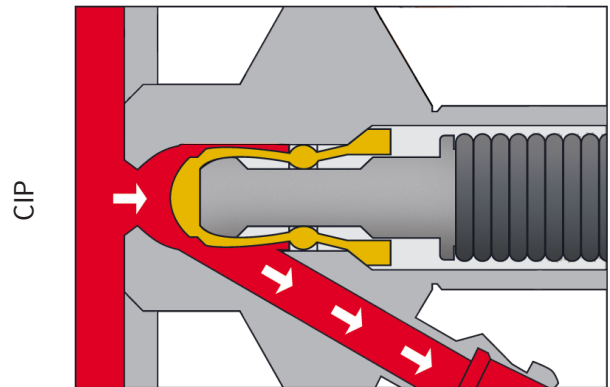
Replace your ordinary, non-hygienic sampling cocks with the KEOFITT BASIX™ Sampling Valve.

This valve is CIP-able with process CIP and still true to the Keofitt concept, as it is available with various process connections with manual or pneumatic operation.

If what you need is a simple process CIP-able sampling valve; choose Basix!



HOW IT WORKS



KEOFITT BASIX SAMPLING VALVE

The KEOFITT BASIX Sampling Valve is our product category for process CIPable sampling valves for less demanding applications that require no separate inlet for sterilizing or sanitizing media.

This valve is designed for sampling of low or medium viscous liquids in the range of 0-100 cP with particles less than 1,5 mm in diameter. Sampling of more viscous liquids is possible, only will it take longer (depending on process pressure).

Basix™ is used for for simple, hygienic sampling in all industries for products such as:

- Water
- Unprocessed Milk
- Perfume
- Fruit Juice

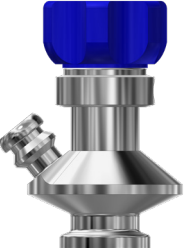
The Basix comes as a complete valve with numerous different variations to choose from, including manual or pneumatic actuators.

Choose from silicone, EPDM or PTFE membranes.



KEOFITT BASIX™

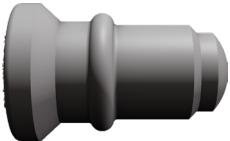
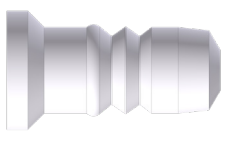
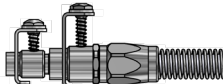
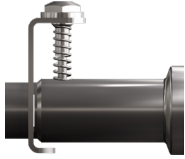
KEOFITT BASIX SAMPLING VALVES

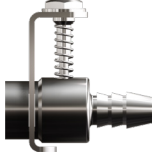
		MANUAL VALVE			
		TANK WELDING	PIPE WELDING	MINI CLAMP	1" & 1½" CLAMP
HOSE PIECE					
	SILICONE	450141	451141	452141	452241
	EPDM	450141EPDM	451141EPDM	452141EPDM	452241EPDM
	PTFE	450141PTFE	451141PTFE	452141PTFE	452241PTFE

PNEUMATIC VALVE			
TANK WELDING	PIPE WELDING	MINI CLAMP	1" & 1½" CLAMP
			
450144	451144	452144	452244
450144EPDM	451144EPDM	452144EPDM	452244EPDM
450144PTFE	451144PTFE	452144PTFE	452244PTFE

KEOFITT BASIX - PARTS & ACCESSORIES

BASIX™ PARTS & ACCESSORIES

BASIX™ PARTS & ACCESSORIES	O-RING	 600825 SILICONE 7.1X1.6	 550184 FESTO	 800830 SILICONE 10.3X2.4	 830830E EPDM 10.3X2.4
	MEMBRANE	 400051 SILICONE	 400052 EPDM	 400055 PTFE	
	FOR HOSE PIECE	 550002 PTFE QC O.5M	 550003 PTFE QC 1.0M	 550002.2 PTFE QC/TC O.5M	 550003.2 PTFE QC/TC 1M
		 800083 QC TC	 900045 QC SYRINGE INJECTION	 600062 RUBBER CAP	 450063 SINGLE ST.ST. CHAIN
		 600170 LEVER HANDLE Q/N	 600370 LEVER HANDLE SELF-CLOSING	 800052 HOSE PIECE/HOSE PIECE W9	 400255 TOOL FOR MEMBRANE (PTFE)
		 900091 GASKET EPDM 1"	 900018 TOMMY BAR	 900031 HP W9/MALE THREAD M12	 900047 TUBE PTFE 10/8MM
	MISC.				

 800086 QC W9 WITH M4 HP	 800061 QC PLUG	 800070 QC STEEL PIPE	 800091 QC PTFE	 800082 QC W9 HOSE ID 7
 800058 SAMPLING COIL W9	 800059 SAMPLING COIL XL W9			
 900075 CLAMP RING 1/2"	 900086 CLAMP RING 1"	 440139 BUSHING FOR 4KA1/BASIX HEAD		
 900087 GASKET MINI CLAMP 1/2" EPDM				

KEOFITT ASEPTIC

This is where you find everything you need to complete your KEOFITT sampling system:

The main products for this category is the unique single-use sampling bag systems allowing safe and aseptic sampling from any type of sampling valve. You can improve sample integrity and convenience immediately by using these products for existing sampling devices – whether they are KEOFITT or not.



KEOFITT SAMPLING BAGS

The Keofitt Sampling Bags have all been developed as single-use solutions to the cumbersome and difficult task of taking a representative sample and bringing it safe and clean from the sampling point to the laboratory.

At the same time the Keofitt Sampling Bags offer convenience and safety in use and higher efficiency in the work process. No prior assembly or cleaning of any components; no glass or metal component is introduced to the production area.

All Keofitt Sampling Bags are made of medical grade plastics complying with all relevant FDA, USP and ISO regulations for both the food and the pharmaceutical/biotech industries.

The Keofitt Sampling Bags are delivered separately packed and sterilized by irradiation. In each carton a Radiation Certificate and a Certificate of Conformity are enclosed.

The Keofitt Sampling Bags are manufactured following strict in-process testing including a test for endotoxins.

The proper performance of all Keofitt Sampling Bags is supported by a number of validation documents covering SIP’ability, biocompatibility, extractables, USP Class VI, endotoxins, mechanical and chemical properties etc.



KEOFITT STERILE SAMPLING BAGS

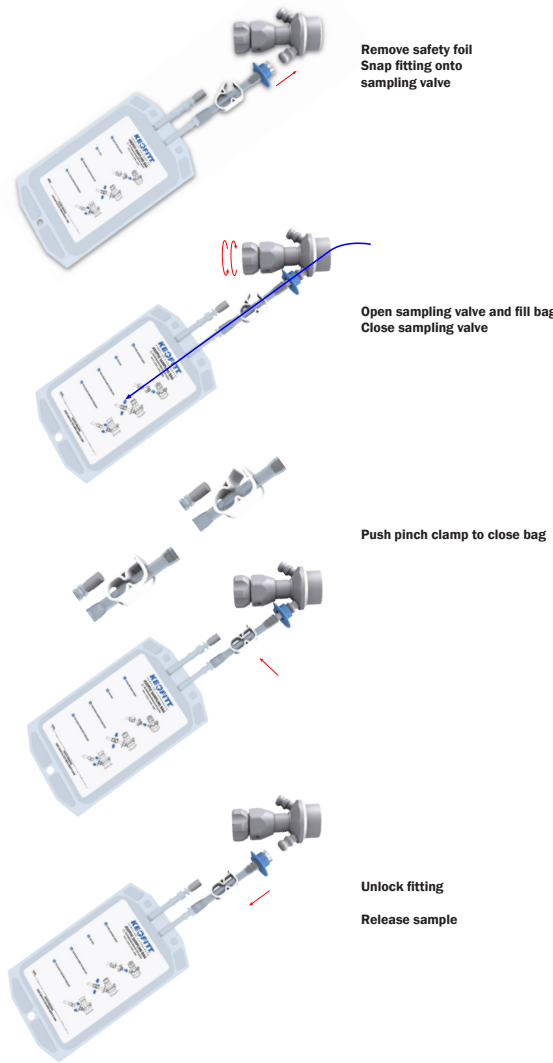
The Keofitt Sterile Sampling Bag is a sterile, pre-irradiated sampling bag wrapped in a sealed PE-bag. The sterile condition and the closed fluid path enables the user to extract liquid samples from the process line greatly reducing the risk of contaminating the sample from airborne contaminants in the environment compared to using traditional sample recipients.

The Keofitt Sterile Sampling Bag is the ultimate sampling bag solution based on Keofitt’s renowned high quality and ultra hygienic sampling valve design. It is delivered with either a Mini Sanitary Clamp or a Keofitt W9 Quick Coupling.

The Sterile Sampling Bag is intended for collecting and easy storage of samples for chemical analysis. For microbiological samples the Aseptic Sampling Bag is recommended.

The product to be sampled should have a maximum viscosity of 1000 cP and should not contain particles larger than 3 mm in diameter. Products with higher viscosity may be sampled, only will it take longer.

The Keofitt Sampling Bag is foreseen with a secondary port with a septum for extracting a sample of the sample or for injecting a substance into the sample. The secondary port also fitted with Luer Lock fittings (male and female) for secure and sterile connection to relevant equipment in a Laminar Air Flow (LAF) bench.



		STERILE SAMPLING BAGS		
			SIZE	ART. NO.
HOSE PIECE		500	ML	110500
		1000	ML	111000
		2000	ML	112000
MINI TRI-CLAMP		500	ML	110500TC*
		1000	ML	111000TC*
		2000	ML	112000TC*

*ON REQUEST ONLY!

KEOFITT ASEPTIC SAMPLING BAGS

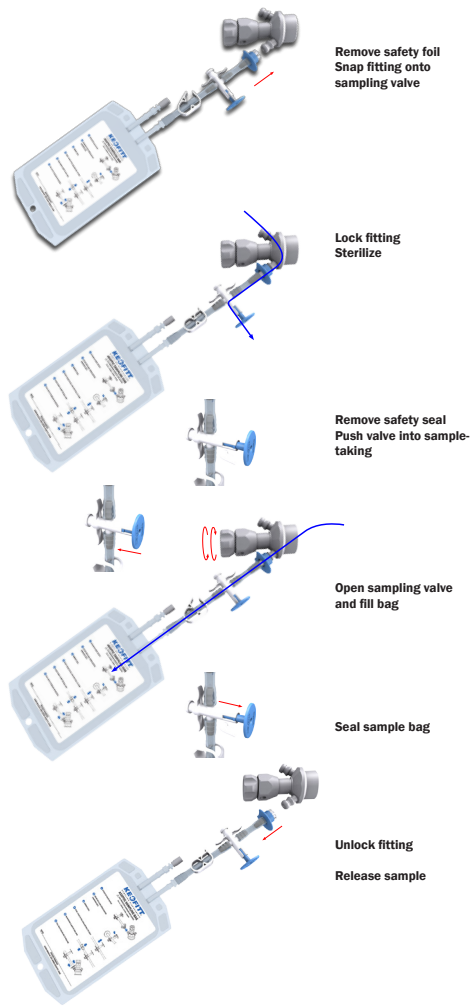
The Keofitt Aseptic Sampling Bag is a sterile, pre-irradiated sampling bag wrapped in a sealed PE-bag. Contrary to the Sterile Sampling Bag the Aseptic Bag is equipped with a 3-way valve allowing to steam sterilize the bag system before sampling. The sterile condition and this possibility to steam the flowpath in a closed circuit enable the user to extract a truly representative aseptic sample from a liquid process line sampling point in a convenient way.

The Keofitt Aseptic Sampling Bag is the ultimate sampling bag solution based on Keofitt’s renowned high quality and ultra hygienic sampling valve design. The unique design allows the connection between the sampling valve and the sampling bag to be steam sterilized in place. It is delivered with either a Mini Sanitary Clamp or a Keofitt W9 Quick Coupling.

The Aseptic Sampling Bag is a single use product intended for collecting and easy storage of samples from true aseptic samples for microbiological and chemical analysis.

The product to be sampled should have a maximum viscosity of 1000 cP and should not contain particles larger than 3 mm in diameter. Products with higher viscosity may be sampled, only will it take longer.

The Keofitt Sampling Bag is foreseen with a secondary port with a septum for extracting a sample of the sample or for injecting a substance into the sample. The secondary port also fitted with Luer Lock fittings (male and female) for secure and sterile connection to relevant equipment in a Laminar Air Flow (LAF) bench.



		ASEPTIC SAMPLING BAGS		
			SIZE	ART. NO.
HOSE PIECE		50	ML	120050*
		250	ML	120250
		500	ML	120500
		1000	ML	121000
		2000	ML	122000
MINI TRI-CLAMP		50	ML	120050TC*
		250	ML	120250TC
		500	ML	120500TC
		1000	ML	121000TC
		2000	ML	122000TC

*ON REQUEST ONLY!

KEOFITT SPIKE SAMPLING BAGS

The Keofitt Spike Sampling Bag is a cost-effective single-use sampling bag to be used where requirements to sterility and storage time are less severe. It features a unique auto-sealing septum allowing very thick needles for fast and convenient sampling of most liquids including viscous products.

The Keofitt Spike Sampling Bag is a single-layer sampling bag manufactured under cleanroom conditions (class D) and available in:

- A polypropylene (PP) bag where cleanroom manufacturing conditions are sufficient

The Spike Sampling Bag features a unique sealed and sterilized septum, which accepts very large needles (spikes) with 2-3 mm internal diameter. This assures a much faster sampling process than otherwise experienced with hypodermic needles. Despite the large needle the unique septum design assures an auto-sealing effect after collection of the sample.

The Spike Sampling Bag works with the Keofitt Quick Coupling Spikes that fit all standard Simplex, M4 and W9 Keofitt Sampling valves with either Keofitt Hose Piece connection or Mini Clamp connection (see Accessories).

KEOFITT SAMPLING BAGS

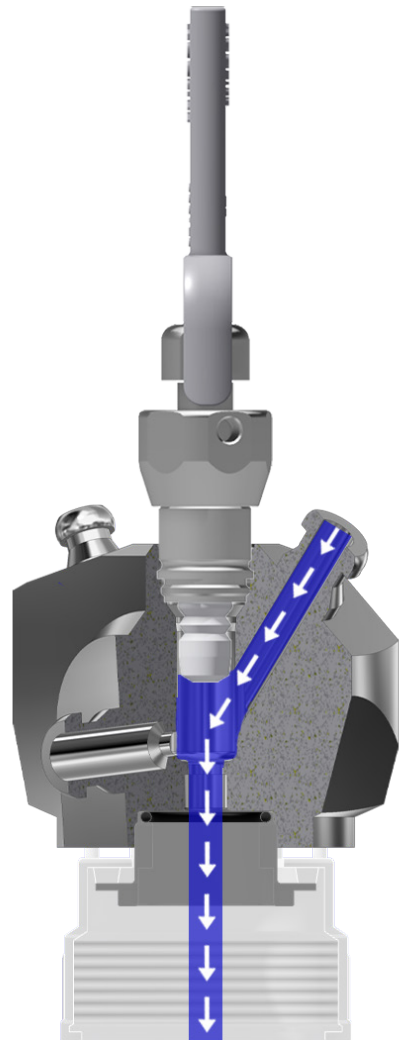
SPIKE BAGS		
	SIZE	ART. NO.
	1000 ML	131000PP
	3000 ML	133000PP

KEOFITT SAMPLING BAGS - PARTS & ACCESSORIES

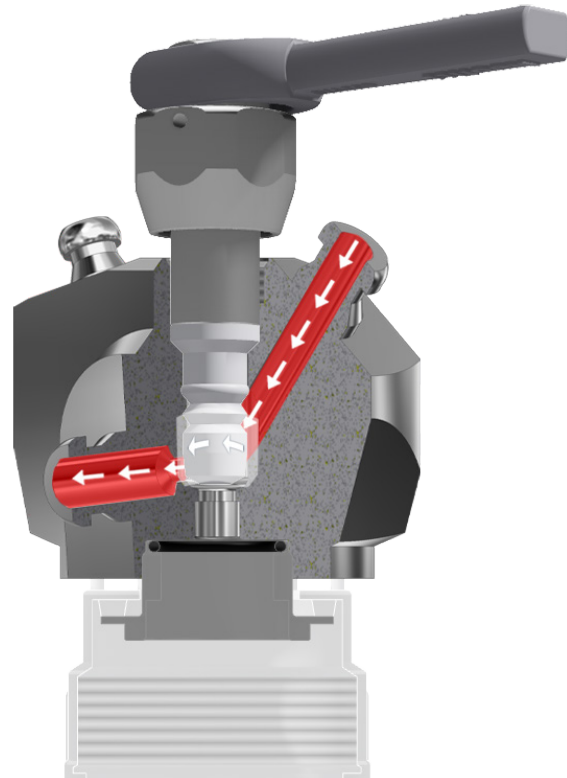
SAMPLING BAGS PARTS & ACCESSORIES	FOR HOSE PIECE	A metal spike with a threaded end and a clamp mechanism.	A metal spike with a threaded end and a clamp mechanism, similar to the M4 version but with a different base.
	FOR MINI CLAMP	A small metal spike with a flat base.	A metal adaptor with a flared end and a threaded section.
		A metal component with a spring and a clamp, designed for M4 spikes.	A metal component with a spring and a clamp, designed for W9/TC spikes.

A red silicone ring.	A red silicone ring, larger than the 5.3X2.4 version.	
A metal clamp ring with a circular opening.	A black EPDM gasket with a circular opening.	A black EPDM gasket with a circular opening, slightly larger than the 1/2 inch version.
A metal adaptor with a flared end and a threaded section.		

SAMPLING



STERILIZATION



KEOFITT® BOTTLE SAMPLING SYSTEMS

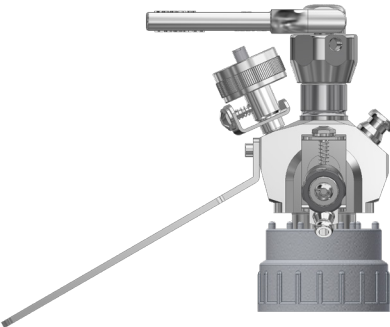
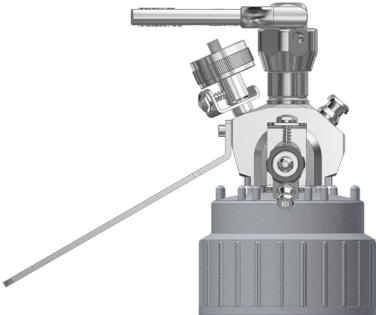
The KEOFITT Aseptic System enables the user to take a truly representative aseptic sample. It protects the sample against airborne contamination, while extracting the sample, during transportation and storage.

The standard operating procedure involves steaming the sampling valve with the KEOFITT Aseptic System connected, in order to sterilize the sampling valve and the connection between the sampling valve and the KEOFITT Aseptic System. This procedure ensures the sterilization of the whole flow path in a closed circuit.

The KEOFITT Aseptic System is based on KEOFITT's guaranteed high quality, microbiologically safe valve design. It shall be used with PP sampling bottles (# 260325 / 260525 / 260625 / 260725 / 260825), which are autoclavable, robust and translucent.

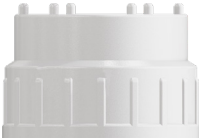
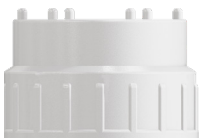
KEOFITT SAMPLING BOTTLE SYSTEMS

SAMPLING BOTTLE SYSTEMS

ASEPTIC SAMPLING SYSTEM for bottle sizes 250-2000 ml	ASEPTIC SAMPLING SYSTEM for bottle sizes 4000/5000 ml	SAMPLING BOTTLE HEAD W9
 260005	 260006	 260030

SAMPLING BOTTLE HEAD W15	SAMPLING BOTTLE HEAD W25
 860030	 870030

KEOFITT SAMPLING BOTTLES - PARTS & ACCESSORIES

SAMPLING BOTTLES PARTS & ACCESSORIES	BOTTLES													
	TUBINGS													
	MISC.													
														
	260325 PP BOTTLE 250 ML	260525 PP BOTTLE 1000 ML	260625 PP BOTTLE 2000 ML	260725 PP BOTTLE 4000 ML	260825 PP BOTTLE 5000 ML									
														
	550002 PTFE QC 0.5M	550002.2 PTFE QC/TC 0.5M	550003 PTFE QC 1.0M	550003.2 PTFE QC/TC 1M	550004 PTFE TC 0.5M	550005 PTFE TC 1.0								
														
	260170 FILLING PIPE 1L	260270 FILLING PIPE 2L	260326 LID PP BOTTLE W/HOLE 250-2000 ML	260327 GASKET PP 250-2000 ML	260328 LID PP BOTTLE 250-2000 ML	260426 LID PP BOTTLE W/HOLE 4000/5000 ML		260427 GASKET PP 4000/5000 ML	260428 LID PP BOTTLE 4000/5000 ML	800014 ADAPTER TC/1"	900096 ADAPTER HP/TC	900097 ADAPTER HP/TC	900021 BLIND CAP MINI CLAMP	
														
	900091 GASKET EPDM 1"	900074 GASKET EPDM 3/4"	900086 CLAMP RING 1"	900075 CLAMP RING 1/2"	260122 STERILE FILTER FOR ASEPTIC SYSTEM	260081 QC F/FILTER ASEPTIC SYSTEM		260156 O-RING EPDM 9.5X2	260158 O-RING EPDM 21.89X2.62	260159 O-RING EPDM 24.6X2.4	800061 QC W9 ST. ST. PLUG	900076 BLIND CAP 1" CLAMP		270370 FILLING PIPE 250- 5000ML

KEOFITT VARIOUS

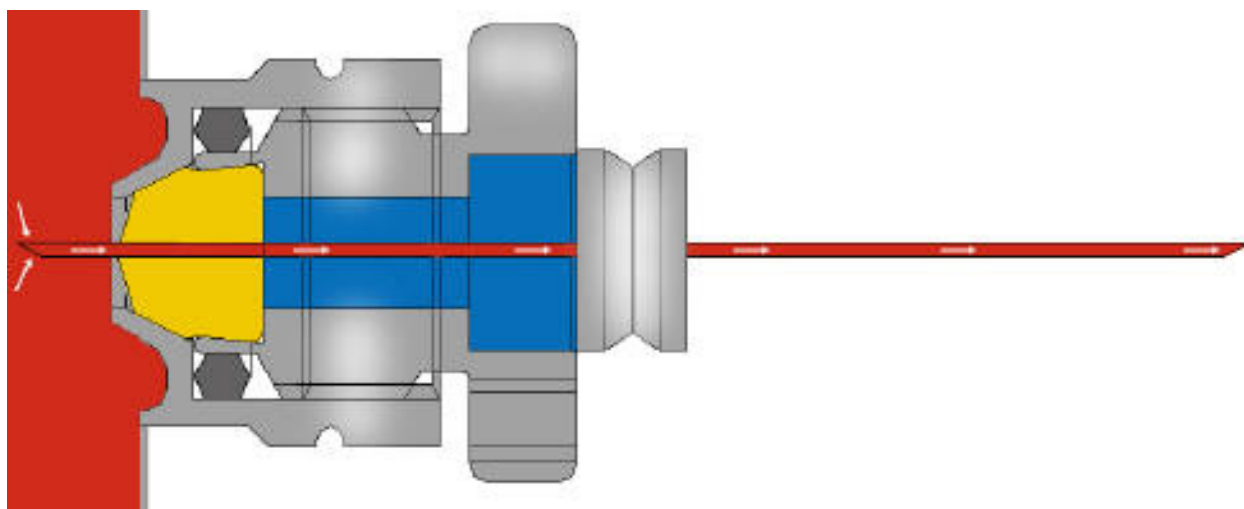
Being the world market's only true specialist KEOFITT has developed the widest and deepest product range available for sampling of liquids in all industries.

To satisfy the specific demands from the different industries KEOFITT has introduced a various special items, such as:

- **Micro Port**
provide an easy and hygienic solution for extracting liquid samples from a production batch using hypodermic needles or syringes.
- **Portable Steam Cleaning Unit**
designed to provide steam for cleaning and disinfecting in sampling locations where a fixed steam supply is not available.
- **Carlsberg Flask vessel system**
designed for the propagation of yeast cultures in a sterile environment and the transfer of the pure yeast culture under sterile conditions.



SAMPLING



KEOFITT MICRO PORT

The KEOFITT MICRO PORT is a re-sealing rubber septum designed to take samples using hypodermic needles or syringes with minimal risk of contamination. Designed for sampling low viscosity products in the range 0-50 cP.

The KEOFITT MICRO PORT is easy to use and maintain, if needle sampling is required.

The Micro Ports are used in a range of business areas, such as brewery, dairy, pharmaceutical and biotechnological industries, with a wide range of products such as:

- Water
- Medical solutions
- Milk
- Filtered Beer
- Perfume
- Olive Oil

Available as a single septum or as a MULTI MICRO PORT with seven septums.

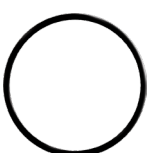


KEOFITT MICRO PORT

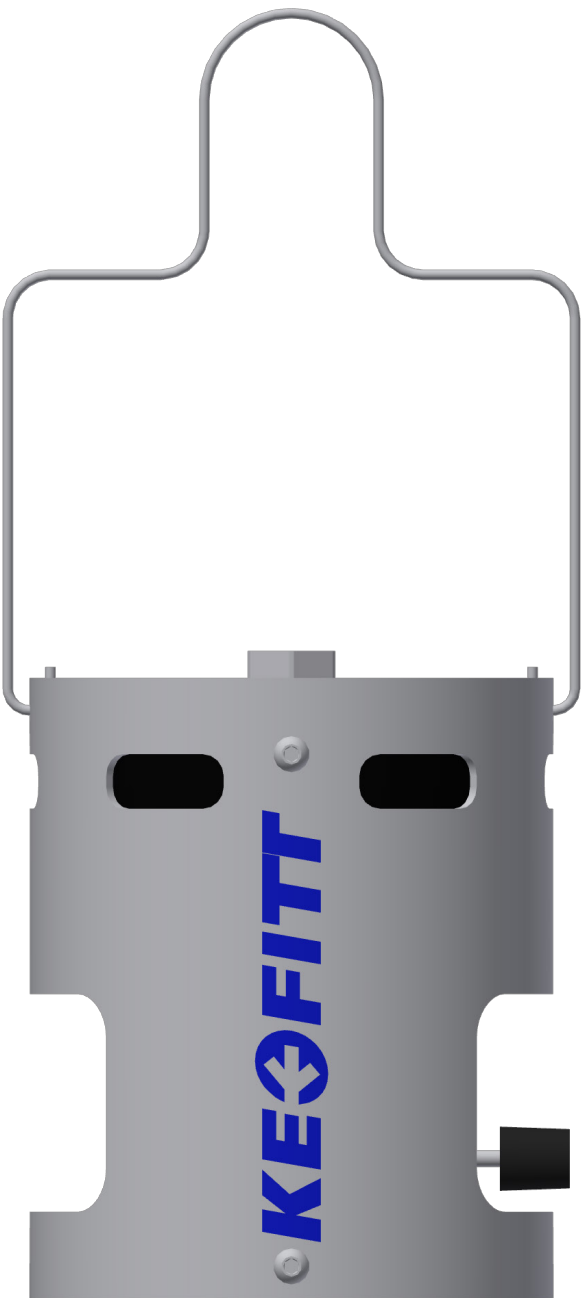
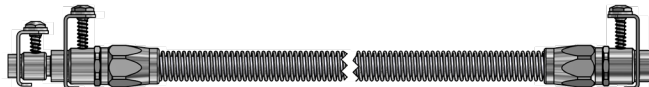
MICRO PORT			
	TANK	PIPE WELDING 1”	PIPE WELDING NW25
BUTYL (IIR) MEMBRANE	 900056	 900057	 900014
	MINI CLAMP	CLAMP 1” & 1½”	VARIVENT
	 900059	 900058	On request

MULTI MICRO PORT 49		
TANK WELDING 7XBUTYL MEMBRANE	VARIVENT Ø68 7XBUTYL MEMBRANE	CLAMP 3” 7XBUTYL MEMBRANE
 840001	 840009	 840020

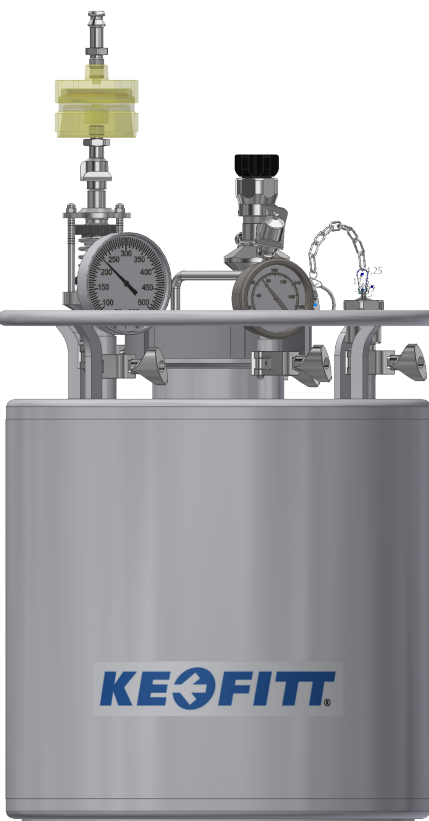
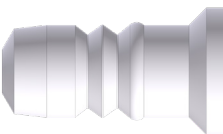
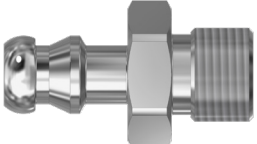
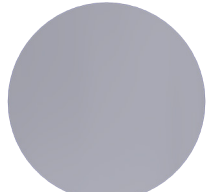
KEOFITT MICRO PORT - PARTS & ACCESSORIES

MICRO PORT PARTS & ACCESSORIES	O-RINGS	 900822 EPDM 9.3X2.4	 900824 EPDM 14X4	 900825 EPDM 44.6X2.4	 400208 EPDM 60X3				
	SEPTUM	 900049 BUTYL							
	MISC.	 840055 FILM MULTI	 840118 TOOL MULTI	 900054 NEEDLE	 900055 WICK	 900077 CHAIN	 900441 PLUG	 900075 CLAMP RING 1/2"	 900086 CLAMP RING 1"
		 900074 GASKET EPDM 3/4	 900087 GASKET EPDM 1/2"	 900091 GASKET EPDM 1"	 900093 GASKET 3" CLAMP EPDM	 840102 INNER PLATE FOR MICRO PORT	 900102 INSERT FOR MICRO PORT		

KEOFITT STEAM BOILER

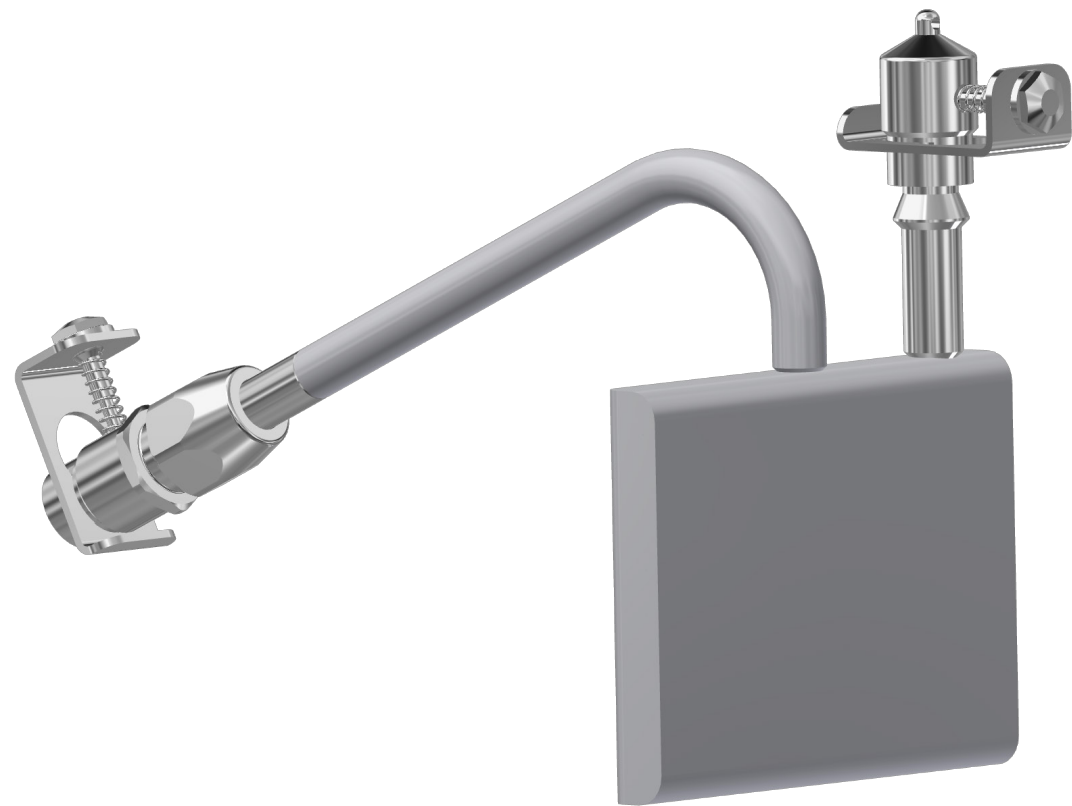
	
	550002 PTFE TUBING W/QC 0.5M
	
	550003 PTFE TUBING W/QC 1.0M
	
	800830 O-RING SILCONE 10.3X2.4
	
	550830 O-RING SILICONE 16X3
	
	900031 HP W9/MALE THREAD M12
	
	550242 BURNER STAND

KEOFITT CARLSBERG FLASK

	
	900074 GASKET CLAMP 3/4" EPDM
	
	900091 GASKET 1" EPDM
	
	800830 O-RING SILCONE 10.3X2.4
	
	900049 MEMBRANE BUTYL
	
	900031 HP W9/MALE THREAD M12
	
	850055 MEMBRANE PTFE W9/SIMPLEX
	
	900037 HP M4/MALE THREAD M12
	
	200210 FILTER FOR CARLSBERG FLASK

KEOFITT CLIP-ON STEAMER

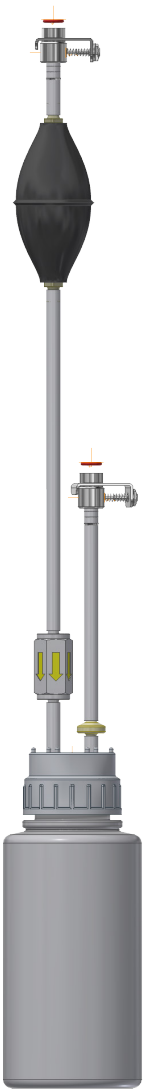
CLIP-ON STEAMER



550009
CLIP-ON STEAMER

KEOFITT CIP RECIRCULATOR

CIP RECIRCULATOR



550010
CIP-RECIRCULATOR

