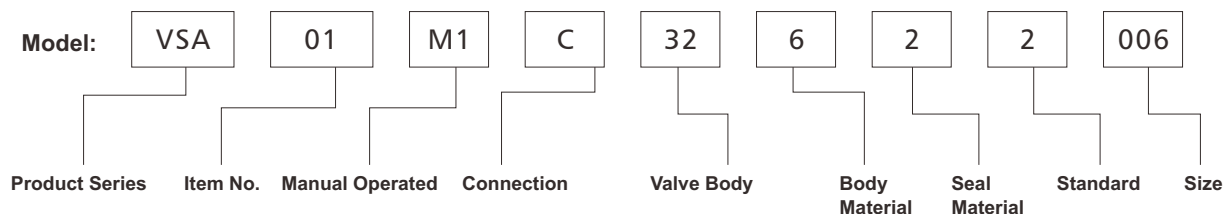




ORDERING INFORMATION

Product Series	VSN	Economy Sampling Valve	
	VSA	Aseptic Sampling Valve	
	VSX	Plug Type Sampling Valve	
	VSC	Aseptic Sampling Valve	
	VSM	Diaphragm Type Sampling Vavle	
	VSX	Yogurt Sampling Valve	
	VSW	Perlick Style Sampling Valve	
Item No.	01	Model No.01	
	02	Model No.02	
	03	Model No.03	
Operation *For VSA & VSC only	Manual Operated		
	M1	Manual Operated	
	M2	Manual Operated	
	SS Pneumatic Actuator Operated		
	NC	Normally Close	
	NO	Normally Open	
	AA	Air to Air	
Connection	W	Weld	
	C	Clamp	
	M	Male Thead	
	F	Female Thread	
Valve Body *For VSA & VSC only	11	1pc Hose Place	
	21	1pc Welding End	
	31	1pc Mini Tri-Clamp 25.2mm	
	41	1pc Hose Adaptor	
	12	2pcs Hose Place	
	22	2pcs Welding End	
	32	2pcs Mini Tri-Clamp 25.2mm	
	42	2pcs Hose Adaptor	
Body Material			
Seal Material *Except VSB			
Standard			
Size			
4	SS304	1	Silicon
6	SS316L	2	EPDM
		3	Viton
		4	NBR
		5	PTFE
		1	3A
		2	DIN11850
		1	BSPT Thread
		2	NPT Thread
		3	BSP Thread
		DIN 11850	
	025	DN25	
	032	DN32	
	040	DN40	
	
	100	DN100	
	3A		
	100	1"	
	150	1.5"	
	200	2"	
	...		
	400	4"	

Ordering Information:



Example: Aseptic Sampling Valve with Turn Knob, Clamp body with 2pcs Mini Tri-Clamp 25.2mm, SS316L, EPDM seat seal, DN6

SAMPLING VALVE

Economy Sampling Valve
VSN Series
Material: SS304/SS316L
Size: 1/2"-1.5 or DN10-DN40
Seat Seal: PTFE
O-ring Seal: FPM
Max. Temperature: 120°C
Max. Pressure: 10Bar



Diaphragm Type Sampling Valve
VSM Series
Material: SS304/SS316L
Size: 1/2" or DN15
Seal: EPDM
Working Temperature:
-0°C to +110°C
Max. Pressure: 6Bar



Yogurt Sampling Valve
VSY Series
Material: SS304/SS316L
Size: 1.5"
Seat Seal: PTFE
Max. Temperature: 120°C
Max. Pressure: 10Bar



Aseptic Sampling Valve
VSA01 Series
Material: SS304/SS316L
Size: DN6, DN10, DN25
Seal: Silicon, EPDM, PTFE
Max. Pressure: 6Bar



Aseptic Sampling Valve
VSA02 Series
Material: SS304/SS316L
Size: DN6, DN10, DN25
Seal: Silicon, EPDM
Max. Pressure: 6Bar



Aseptic Sampling Valve
VSC Series
Material: SS304/SS316L
Size: DN6, DN8, DN10, DN15
Seal: PTFE
Max. Pressure: 6Bar



Plug Type Sampling Valve
VSB Series
Material: SS304/SS316L
Size: 1/2"-2" or DN15-DN50
Max. Pressure: 2Bar



Sampling Valve
VSW Series
Material: SS304/SS316L
Size: 1/4"-1.5" or DN10-DN40
Seat Seal: Silicon, EPDM



Liquid Level Gauge
TLA Series
Material: AISI 304/316L
Size: 1"-1.5" or DN25-DN40
Working Pressue:
-10°C to 120°C
Max. Pressure: 10Bar



Liquid Level Gauge with
Sampling Function
TLB Series
Material: AISI 304/316L
Size: 1"-1.5" or DN25-DN40
Working Pressue:
-10°C to 120°C
Max. Pressure: 10Bar



ECONOMY SAMPLING VALVE

VSN Series

CONCEPT

VSN Sampling Valves are used in piping systems or on tanks for sampling. It is used for low viscosity materials, such as water, beer, wine, fluid milk and so on. It also can be assembled at the bottom of the tank or pipeline to drain away the remains.



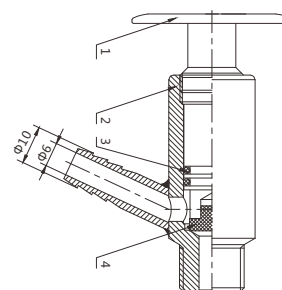
DESIGN AND FEATURES

- With hose adaptor outlet
- Handle in handwheel or ellipse
- End connection: Weld, Clamp, Thread

MATERIAL

Valve Body: SS304 or SS316L
 Valve Shaft: SS304 or SS316L
 Seat Seal: PTFE
 O ring Seal: FPM per FDA 177.2600

ASSEMBLY DRAWING

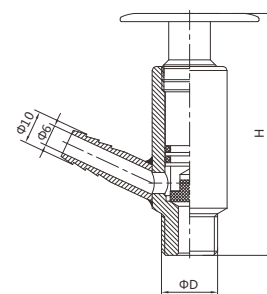
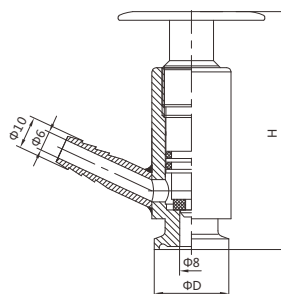
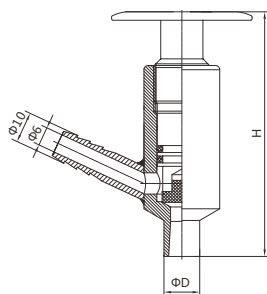


Item	Description	Material	Qty
1	Valve Shaft	1.4301/1.4404	1
2	Valve Body	1.4301/1.4404	1
3	O ring Seal	FPM*	2
4	Seat Seal	PTFE	1

* O ring seal Material Option: Silicon, EPDM, FPM

TECHNICAL DATA

Max. Temperature: 120 degree C
 Max. Pressure: 10 Bar
 Size Available: 1/2"-1.5" or DN10-DN40



WELD SAMPLING VALVE

Model No	Size	D	H
VSN01W451050	1/2"	12.7	89
VSN01W451075	3/4"	19.1	89
VSN01W451100	1"	25.4	89

CLAMP SAMPLING VALVE

Model No	Size	D	H
VSN01C451050	1/2"	25.2	89
VSN01C451150	1.5"	50.5	89

THREAD SAMPLING VALVE

Model No	Size	G	H
VSN01M453038	3/8"	BSP 3/8"	89
VSN01M453050	1/2"	BSP 1/2"	89
VSN01M453075	3/4"	BSP 3/4"	89

DIAPHRAGM TYPE SAMPLING VALVE VSM Series

CONCEPT

VSM Diaphragm type Sampling Valve is a process line accessory to be used for clear or viscous liquid products. It is designed to meet the need to take samples from liquid process installations in the food, chemical, pharmaceutical, cosmetics and biotechnology industries as well as all other sectors requiring sanitary type equipment.



OPERATING PRINCIPLE

VAM Diaphragm type Sampling Valve is both reliable and easy to use. The sample is obtained by turning the control screw to detach the membrane from its seat so as to allow the fluid to enter the outlet pipe. It is designed to be flame sterilised. No tools are needed to maintain the valve, unscrewing the knurled mating head gives direct access to the membrane.

MATERIAL

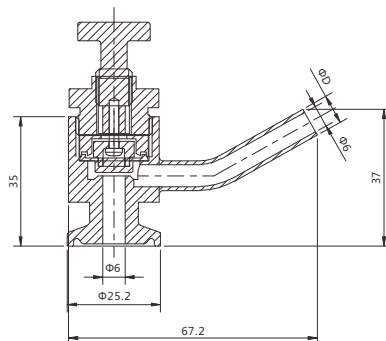
Valve Body:	SS304/SS316L
Membrane:	EPDM per FDA 177.2600

OPTIONS

- Membrane material in EPDM, VMQ, FPM per FDA 177.2600
- Two smooth or threaded outlets for CIP sanitation or steam sterilisation.

TECHNICAL DATA

Finish:	Semi-bright
Max. operating pressure:	6Bar(87psi)
Working temperature range:	-0°C to + 110°C.
Inlet Connection:	Weld/ Tri clamp/ Thread



CLAMP DIAPHRAGM TYPE SAMPLING VALVE
MODEL NO.: VAM01C21050

YOGURT SAMPLING VALVE

VSY Series

CONCEPT

VSY Yogurt Sampling Valves are used to treat high viscosity materials, such as yoghurt, syrup, ice cream, etc. The valve is normally closed design, it will open when pushing the handle and will return to nominal close position automatically by spring.

Metal to metal tapered seat plug design guarantees there is no retention and is easy to clean.

The valve seat opens inside so that it can avoid opening by accident due to much pressure in the pipe.



DESIGN AND FEATURES

- High viscosity products
- Large samples of medium viscosity products.
- Product containing solid particles up to 1/4" in diameter

TECHNICAL DATA

Max. Temperature: 120 degree C
Max. Pressure: 10 Bar
Size Available: TC 1.5"

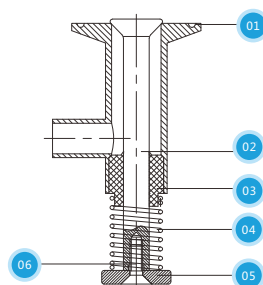
APPLICATIONS

- Syrup
- Honey
- Ice cream
- Yogurt
- Cream and lotions
- Ketchup
- And much more

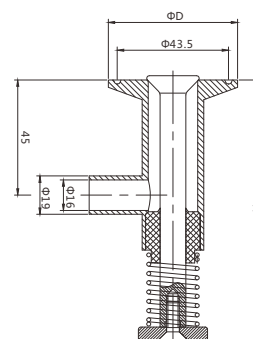
MATERIAL

Valve Body: SS304 or SS316L
Valve Shaft: SS304 or SS316L
Seat Seal: PTFE

CLAMP YOGURT SAMPLING VALVE



Item	Name	Material	QTY
1	Valve Body	SS304/SS316L	1
2	Valve Shaft	SS304/SS316L	1
3	Seat Seal	PTFE	1
4	Spring	SS304	1
5	Handwheel	SS304	1
6	Lock Bolt	SS304	1



YOGURT SAMPLING VALVE

Model No	Size	H	D
VAY01C451150	1.5"	120	50.5

ASEPTIC SAMPLING VALVE VSA Series

CONCEPT

VSA Aseptic Sampling Valve are measured and designed for sampling medium viscosity products with about 0-1,000cP in viscosity and with particles up to 3mm in diameter. Such as Unprocessed Milk, Medical solutions, Filtered and unfiltered beer, Perfume, Creams and lotions, and much more.

DESIGN AND FEATURES

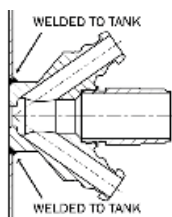
VSA aseptic sampling valves come with a variety of valve bodies and heads that fit most situations. The bodies come with welded or clamp connection. The heads come with different operations and membranes.

TECHNICAL DATA

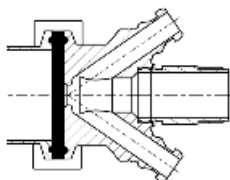
Temperature range of EPDM: -10°C to 120°C

Max. working pressure: 6Bar(87psi)

CONNECTION WAY



Tank Welding Connection



Clamp Connection

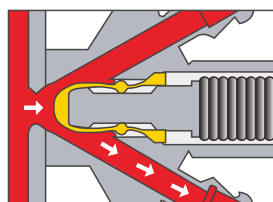


MATERIAL

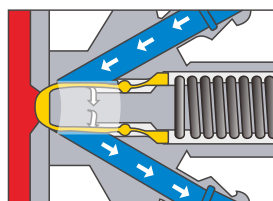
Valve Body: SS304 or SS316L

Valve Head: SS304 or SS316L

Membrane: Silicon, EPDM per FDA 177.2600

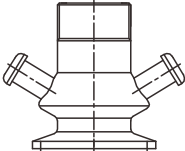
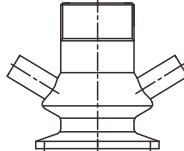
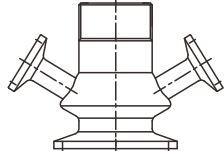
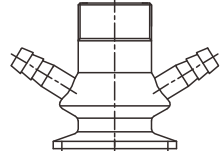
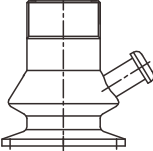
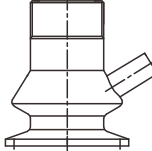
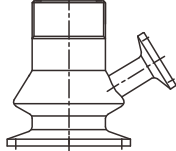
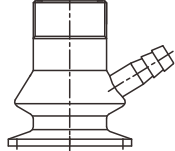


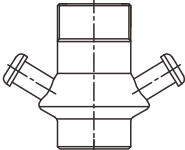
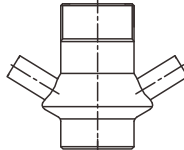
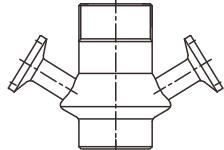
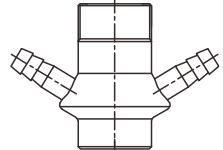
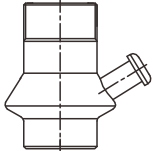
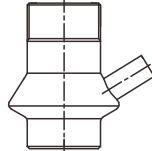
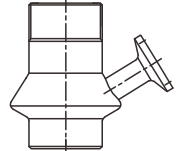
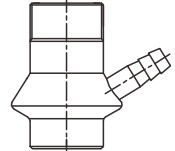
Opening valve, sampling operating structure



Closing valve, sterilization operating structure

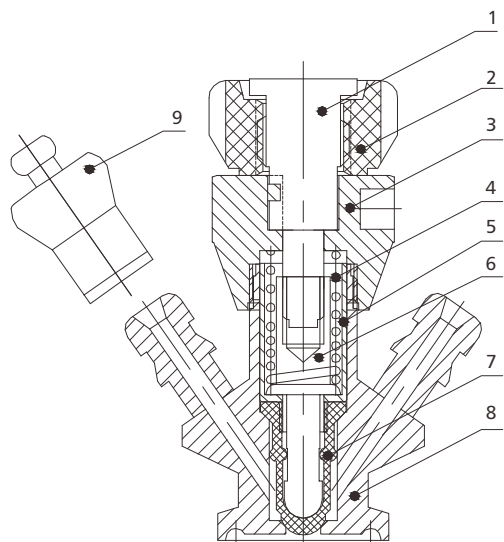
VALVE BODY

Hose Place	Welding End	Mini Tri-clamp	Hose Adaptor
 <p>C12</p>	 <p>C22</p>	 <p>C32</p>	 <p>C42</p>
 <p>C11</p>	 <p>C21</p>	 <p>C31</p>	 <p>C41</p>

Hose Place	Welding End	Mini Tri-clamp	Hose Adaptor
 <p>W12</p>	 <p>W22</p>	 <p>W32</p>	 <p>W42</p>
 <p>W11</p>	 <p>W21</p>	 <p>W31</p>	 <p>W41</p>

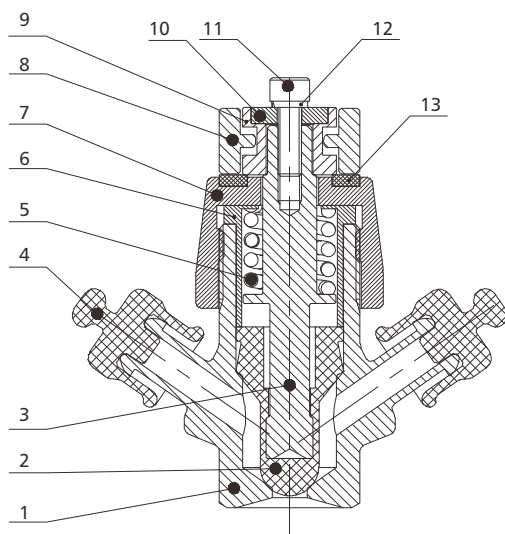
SAMPLING VALVE

ASSEMBLY DRAWING



Model: VSA01

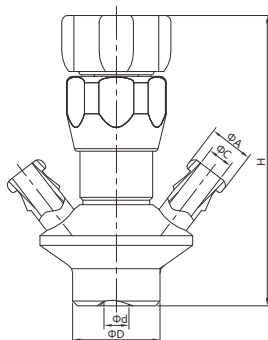
Item	Description	Material	Qty
1	Valve Stem	SS304/SS316L	1
2	Hand Wheel	ABS	1
3	Nut	SS304	1
4	Spring	SS304	1
5	Locating Bush	SS304/SS316L	1
6	Valve Spool	SS304/SS316L	1
7	Membrane	Silicon*	1
8	Valve Body	SS304/SS316L	1
9	Inlet/Outlet Bush	EPDM	2



Model: VSA02

Item	Description	Material	Qty
1	Valve Body	SS304/SS316L	1
2	Membrane	Silicon*	1
3	Valve Stem	SS304/SS316L	1
4	Inlet/Outlet Bush	EPDM	2
5	Spring	SS304	1
6	Spring Bushing	SS304	1
7	Nut	SS304	1
8	Level Handle	SS304	1
9	Handle Seat	SS304	1
10	Spacer	SS304	1
11	Hexagon socket	A2-70	1
12	Seat Seal	A2-70	1
13	Seal	PTFE	1

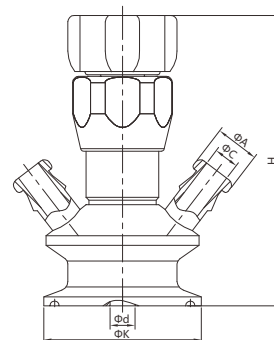
* Membrane Material Option: Silicon, EPDM



WELD SAMPLING VALVE WITH TURN KNOB

Model No	Size	d	D	A	C	H
VSA01M1W12612006	DN6	4	28	9.5	3	68
VSA01M1W12612010	DN10	8	28	14	7	93

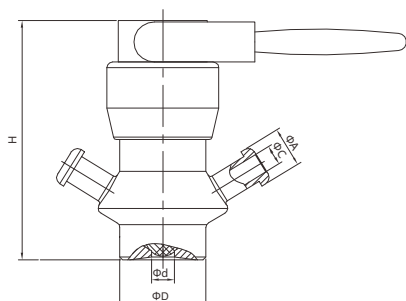
*Model No basic on Silicon seal



CLAMP SAMPLING VALVE WITH TURN KNOB

Model No	Size	d	K	A	C	H
VSA01M1C12612006	DN6	4	25.2	9.5	3	68
VSA01M1C12612010	DN10	8	50.5	14	7	93

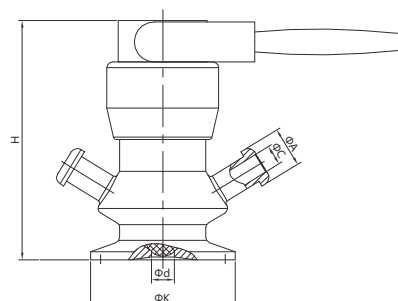
*Model No basic on Silicon seal



WELD SAMPLING VALVE WITH LEVEL HANDLE

Model No	Size	d	D	A	C	H
VSA02M2W12612010	DN10	8	30	14	7.2	84

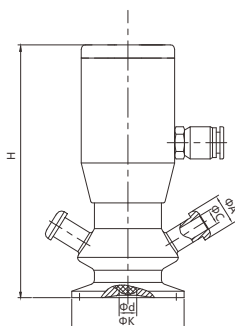
*Model No basic on Silicon seal



CLAMP SAMPLING VALVE WITH LEVEL HANDLE

Model No	Size	d	K	A	C	H
VSA02M2C12612010	DN10	8	25.2	14	7.2	84
VSA02M2C12612025	DN25	8	50.5	14	7.2	84

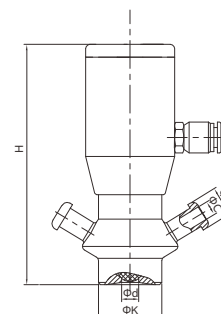
*Model No basic on Silicon seal



PNEUMATIC CLAMP SAMPLING VALVE

Model No	Size	d	K	A	C	H
VSA02NCC12612010	DN10	8	25.2	14	7.2	128
VSA02NCC12612025	DN25	8	50.5	14	7.2	128

*Model No basic on Silicon seal



PNEUMATIC WELD SAMPLING VALVE

Model No	Size	d	K	A	C	H
VSA02NCW12612010	DN10	8	28	14	7.2	128
VSA02NCW12612025	DN25	8	30	14	7.2	128

*Model No basic on Silicon seal

ASEPTIC SAMPLING VALVE VSC Series



CONCEPT

Aseptic sampling valves are measured and designed for sampling, medium viscosity products with about 0-1,000cP in viscosity and with particles up to 3mm in diameter. Such as Unprocessed Milk, Medical solutions, Filtered and unfiltered beer, Perfume, Creams and lotions, and much more.

DESIGN AND FEATURES

- Available Sizes: DN6, DN8, DN10, DN15
- End Connections: Tank Weld, Tri-Clamp or on request

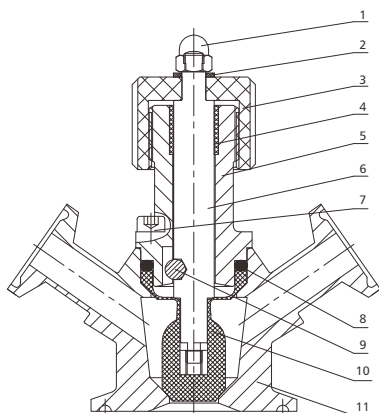
TECHNICAL DATA

Temperature range of PTFE: 0 to 150°C / 32 to 302°F
Max. Working Pressure: 6Bar (87Psi)

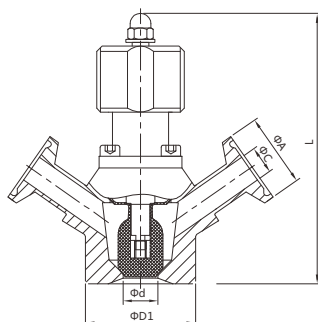
MATERIAL

Body: SS316L
Membrane: PTFE

ASSEMBLY DRAWING

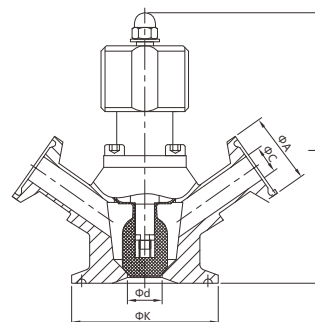


Item	Description	Material	Qty
1	Hexagon Nut	SS304	1
2	Flat Ring	SS304	1
3	Hand Wheel	POM	1
4	Bushing	ABS	1
5	Support	SS304	1
6	Shaft	SS304	1
7	Bolt	SS304	4
8	O-Ring	Silicon *	1
9	Ball Bearing	SS304	1
10	Membrane	PTFE	1
11	Valve Body	SS304/SS316L	1



WELD SAMPLING VALVE

Model No	Size	d	D1	A	C	L
VSC01M1W32652008	DN8	8	28	25.2	5	85
VSC01M1W32652010	DN10	9.5	28	25.2	9.5	93



CLAMP SAMPLING VALVE

Model No	Size	d	K	A	C	L
VSC01M1C32652008	DN8	8	25.2	25.2	5	85
VSC01M1C32652010	DN10	9.5	50.5	25.2	9.5	93

PLUG TYPE SAMPLING VALVE VSB Series

CONCEPT

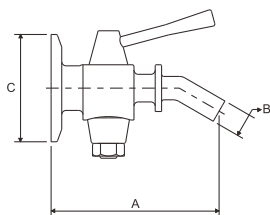
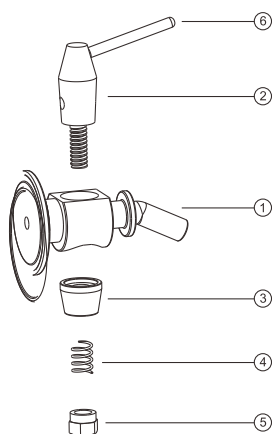
VSB series sampling valves with plug are designed for food, beverage, pharmaceutical, chemical and brewery industries.

DESIGN AND FEATURES

- VSB series sampling valves with metal sealing, can effectively prevents material from damage long-term contacting with seal
- Available Sizes: 1/2", 3/8", 1 1/2", 2"
- End Connections: Male Thread, Tri-Clamp or on request
- VSB Sample Valves for Breweries c/w lip for pigtail hook up

TECHNICAL DATA

Max. Working Pressure: 2Bar (29Psi)



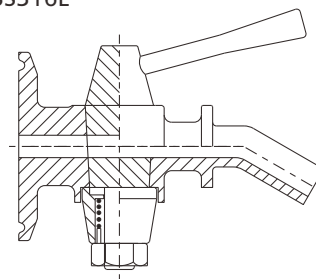
CLAMP PLUG TYPE SAMPLING VALVE

Model No	Size	A	B	C
VSB01C41150	1 1/2"	83	11	50.5
VSB01C41200	2"	83	11	64



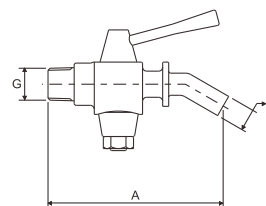
MATERIAL

Body: SS304/SS316L



Exploded view

Item	DESCRIPTION	MATERIAL
1	BODY	AISI 304
2	PLUG	AISI 304
3	SPRING HOUSING	AISI 304
4	SPRING	AISI 304
5	NYLOCNUT	AISI 304/NYLON
6	HANDLE	AISI 304



BSP MALE PLUG TYPE SAMPLING VALVE

Model No	Size	A	B	G
VSB01M43050	1/2"	83	11	G1/2"
VSB01M43038	3/8"	83	11	G3/8"

SAMPLING VALVE

VSW Series

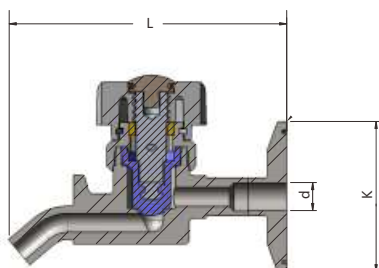
CONCEPT

VSW sample valve offers a truly hygienic design. EPDM seats ensure positive seal and ears allow for pigtail hook up. Replaceable seat assembly and 304ss construction makes for a long term sanitary solution for tank or process sampling requirements.



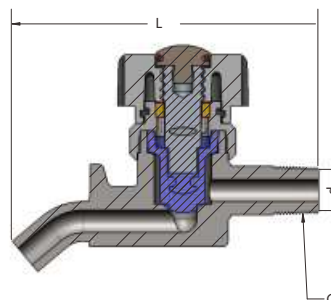
DESIGN AND FEATURES

- Positive Travel Stop prevents over closing the valve to increase seat life
- Stainless Steel Cap
- Red Silicone "O" Ring indicates when valve is open and provides positive seal when closed.
- Seat Cap - Available in FDA approved EPDM (STD) or Silicone
- Pressure Rating 150 P.S.I.G.
- With lip for pigtail hook up



CLAMP SAMPLING VALVE

Model No	Size	d	K	L
VSW01C421050	1/2"	9.3	25.2	91
VSW01C421150	1 1/2"	9.3	50.5	91



NPT MALE SAMPLING VALVE

Model No	Size	d	G	L
VSW01M422025	1/4"	9.3	NPT.1/4"	85
VSW01M422038	3/8"	9.3	NPT.3/8"	85

LIQUID LEVEL GAUGE TLA & TLB Series

CONCEPT

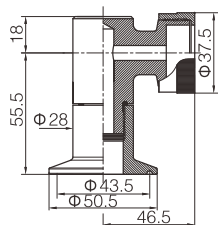
Liquid level gauges are used to determine the level of a liquid in a process tank. Liquid level gauge calibration is used to ensure proper readings are obtained when using level gauges.

DESIGN AND FEATURES

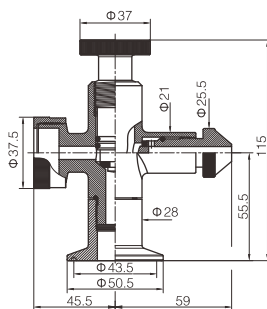
- Size Available: 1/2", 3/4"
- Connection Available: Male Thread, Tri-clamp
- Suitable for OD 19mm Glass

TECHNICAL DATA

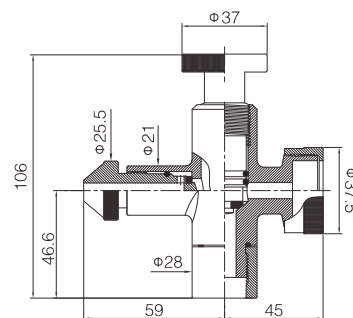
Max. Pressure:	10Bar
Min. Pressure:	Vacuum
Working Temperature:	-10°C to 120°C
Body Material:	AISI 304/ 316L
Seal Material:	Silicon per FDA 177.2600



Level Gauge
Model: TLA01C411150



Tri-Clamp Level Gauge with Sampling Valve
Model: TLB01C411150



Weld Level Gauge with Sampling Valve
Model: TLB01W412025

ANGLE SEAT VALVE

VGN Series

APPLICATION

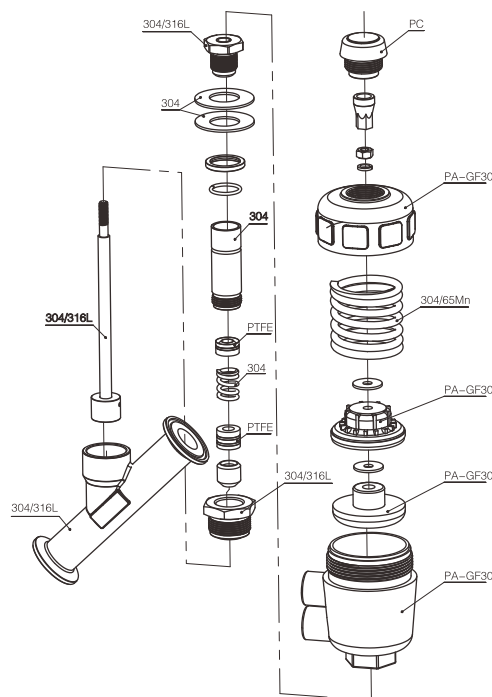
Angle seat valves are used in applications in which absolute purity of the medium cannot be ensured, in which highly viscous media are to be controlled or in steam applications, such as:

- Beer& Drink Filling Machinery
- Textile Printing& Dyeing
- Gas Industry
- Pharmacy& Medical Equipment
- Chemical Industry
- Disinfection
- Frothing Equipment
- Water/Sewage Disposal



TECHNICAL DATA

Fluid Pressure:	Max 1.6MPa (232psi)
Control Pressure:	0.3-0.8MPa (43.5-116psi)
Media Temperature:	-10°C- +180°C
Ambient Temperature:	-10°C- +55°C
Body Material:	CF8M(SS316),CF8(SS304)
Seals Material:	PTFE
Actuator Material:	PA polyamide, CF8 (SS304)
Operation:	Normally Closed, Normally Open, Double-acting or Manually
Connection End:	Female, Weld, Tri-clamp, Flanged or on request
Available Size:	DN10- DN100
Option:	Proximity Switch, Solenoid Valve, Manual Travel Limit



ADVANTAGES

- High Flow Rate, Low Resistance, No Water-Hammer
- Y-type Shape Enlarged The Flowing Section, Which Could Raise The Flux By 30% And Make Flow More Smooth
- High Cycle Life Compared To Ball Valves
- Which Help The Stem Adjust And Lubricate Itself Automatically
- Installation: Any position