



Sterile Sampling Bottle Assembly



Sanitary
flow
equipment

Sterile Sampling Bottle Assembly

ALLOWS CAPTURING AND HANDLING OF LIQUID STERILE PRODUCT SAMPLES

- **SIP/CIP**
- **Fully Autoclavable Assembly**
- **Stainless Steel, PVDF Construction**
- **Borosilicate Bottle**
- **Steam Cleanable Diaphragm Divert Valve**
- **Optional Adjustable Bottle Holder with Removable Handle for Bottle Sizes 500 ml or 1000 ml**
- **Full Material Traceability**
- **Customized For Your Needs**



DOCUMENTATION

All valves are fully traceable for validation processes.

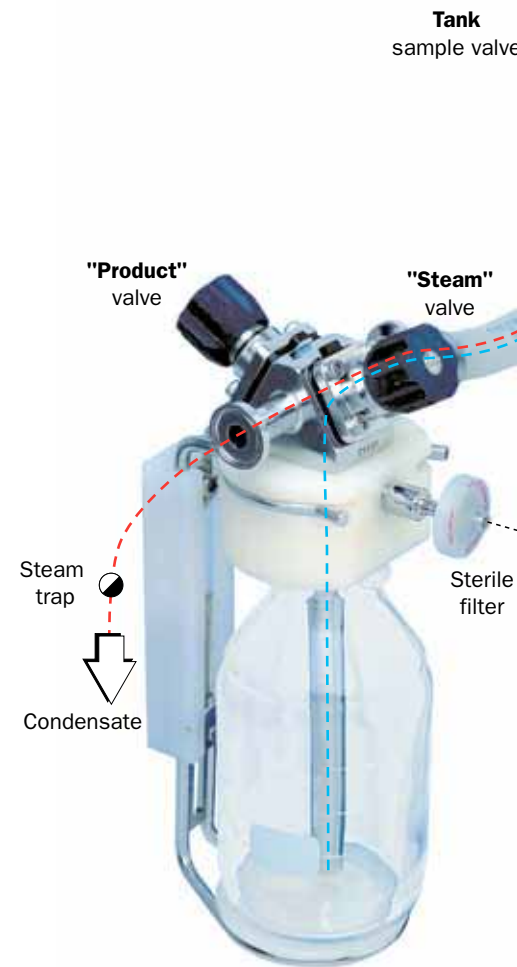
Each valve is accompanied by material test certificates EN 10 204 3.1B

3A standards compliance certificates, and USP 23 class VI and FDA regulations compliance certificates.

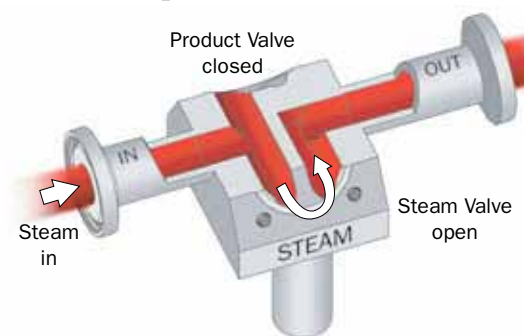
Available Top configurations



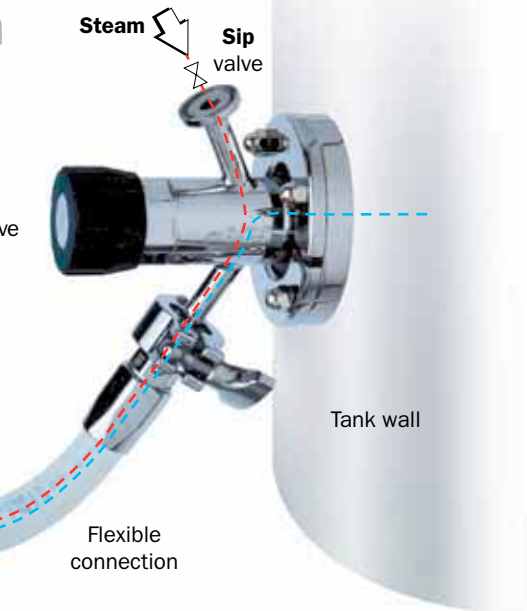
Typ. Installation



SIP phase



How to use



PHASE 1:

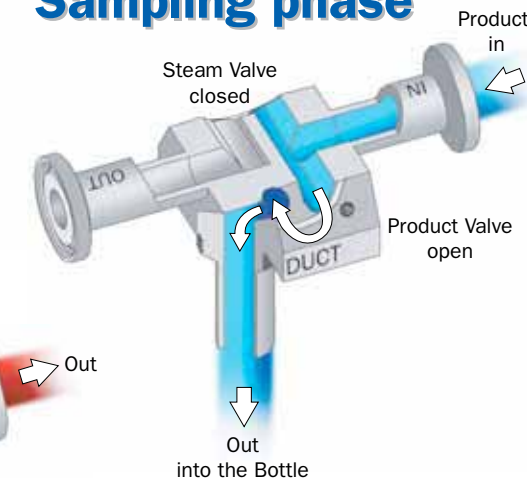
Autoclaving the Sample Bottle

1. Prepare the Sample Bottle Assembly for the autoclave by connecting the filter element* to the filter port. Close the hand knob labeled "Product" on the Sample Bottle. This seals the interior of the Sample Bottle.
*(monouse autoclavable up to 121°C per 15 minutes at 15 psi ACRODISC-PALL suggested)
2. Autoclaving. Place the Sample Bottle Assembly in the autoclave.
3. Remove the handle from the Sample Bottle Assembly prior to autoclaving. To detach the handle, simply push the release button on the handle with the thumb of your hand holding the assembly. While depressing the release button slide the handle downward and away from the Sample Bottle. Begin your autoclaving cycle.
4. After the autoclaving cycle is completed, reattach the handle to the Sample Bottle and remove the assembly from the autoclave.

Note: the Sample Bottle Assembly is designed to function with sample valves that features SIP capabilities (VPA or VPAK).

Using the Sample Bottle Assembly in conjunction with a sample valve that does not feature SIP capabilities will not allow the sample path to be steam sterilized prior to sampling.
For a list of suitable SIP sample valves, see Aseptic Sampling Valves brochures or please contact us.

Sampling phase



PHASE 2:

Connecting to a tank Sample Valve

1. Connect the Sample Bottle connection labeled "IN" to the Tank Sample Valve outlet. Attach a steam trap to the Sample Bottle connection labeled "OUT".
Note: attaching the Sample Bottle Assembly to the SIP Tank Sample Valve may be accomplished using Either flexible tubing or stainless tubing designed for this application.
2. Open the knob labeled "STEAM" and the SIP steam intercepting valve to steam all product sample contact surfaces.
At the completion of the steaming cycle, first, close the SIP valve, secondly, close the knob labeled "STEAM".
Warning: when handling live steam and process fluids that are hazardous or corrosive, extra precautions must be taken. Failure to follow these instructions could result in serious injury or damage to personal property
3. A sterile sample can now be taken from the tank by opening the Tank Sample Valve and the knob labeled "PRODUCT". Take the desired quantity of sample. When enough sample is collected, first, close the Tank Sample Valve and then the knob labeled "PRODUCT". Open the SIP valve and the knob labeled "STEAM" and the entire Sterile Tank Sampling System, except the Sampling Bottle can now be cleaned of sample residue. Close the SIP valve and the knob labeled "STEAM".
4. Disconnect the Sample Bottle from the Tank Sample Valve and remove the steam trap. Each subsequent sampling procedure begins with PHASE 1: Autoclaving the Sample Bottle.

SSB ORDERING INFORMATION

To specify the part completely, start with the product descriptions and select the additional options as shown below:

	1	2	3	4	5
Example	SSB	500	M	TC	LUER
Valve type	SSB				
Bottle size		500 ml volume			
		1000 ml volume			
Actuator			M manual		
			PN pneumatic		
Valve connections				TC ½" clamp BS	
				PG rubber hose	
Vent connection					LUER luer slip
					TC ½" clamp BS

**Pneumatically
actuated diaphragm
valves - NC
DN 15 - 1/2"**



TECHNICAL DATA

Process valves:	diaphragms manual adjustable knob	
Surface finish:	internal	Ra<0,5 um
	external	mirror polished

MATERIALS

Valves body:	AISI 316L (Werkstoff n. 1.4404)
	sanitary design
Diaphragms:	PTFE/EPDM - FDA compliance
O-ring:	standard FEP (PTFE encapsulated)
Bottle:	500-1000 ml borosilicate glass
Header:	PVDF
Removable handle:	PVDF

AVAILABLE CONNECTION

In-out:	1/2" clamp BS
Vent:	standard male luer-slip
	optional 1/2" clamp BS or rubber hose



**Manual operated
diaphragm valves
DN 15 - 1/2"**



OPERATING DATA

Max pressure:	up to 3 bar
Max temperature:	up to 150 °C

OPTIONAL

PALL Acrodisc CR PTFE Syringe Filters
Silicone flexible hose 1/2" clamp BS connections

SPARE PARTS SUGGESTED

Valves diaphragms PTFE/EPDM
Body valves o-ring FEP
Glass bottle o-ring FEP
500-1000 ml glass bottle



VPA-VPK
ASEPTIC SAMPLING VALVES



RPS
SANITARY SAMPLING VALVES



SSB
SANITARY SAMPLING BOTTLE



VA - VFA
TANK BOTTOM VALVES



VRN
SPRING CHECK VALVES



VSS
HIGH PURITY BALL VALVES



VF
BUTTERFLY VALVES



HE
DTS HEAT EXCHANGERS



SP - SL
SIGHT GLASS-FLOW INDICATOR



TC
CLAMP FITTINGS



TK - CONN
TANK CONNECTIONS



RE - FLEX
SILICONE HOSE & FITTINGS



MM
MAGNETIC MIXER



DD
REPLACEMENT DIAPHRAGMS



RSH
ROTATIVE SPRAY HEAD



Sanitary
flow
equipment

AERRE INOX s.r.l.

Via Gerola, n° 4

I-26010 Fiesco (Cremona)

Tel. +39 0374 370 828 - Fax +39 0374 370 833

www.aerreinox.it

Get the information you need and more at info.aerreinox.it