Sterile Sampling Bottle Assembly

Sanitary filow 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 valves 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

filler,

SCHOT

SCHOTT

Typ. Installation

Tank sample valve







How to use

-- PHASE 1:-----

Autoclaving the Sample Bottle

- 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 Bottlle 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.

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.
- Open the knob labeled "STEAM" and the SIP steam intercepting value 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 propery

- 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, exept 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 specificy the part completely, start with the product descriptions and select the additional options as shown below:

		Model	volume		IN connection		n	OUT connection		connectio	n seals	actuator	finish		material			
	SBA-		05		AG			AG	ZC		TF	MC	-71		А			
Bottle Model			Bottle Volume			Con	Connections			Seals (only SBA)			Actu	Actuator (only SBA)			Materials	
SBA	asepic bottle	asepic bottle - divert valve		02 250 ml		AG	1/2" cl	lamp BS/ASME	SBA	TF	F TFM/PTFE diaphragm + FEP oring			manu	al handle	Α	AISI 316L-1.4404	
SBS	S sanitary bottle - standard cap		05	500 ml		ZC	Luer N	Male	bottle	EF	EPDM diaphragm + FEP oring			pneur	natic actuator	on request		
SBX	X special bottle on request		10	10 1000 ml		PL	Rubbe	er hose 10x1mm		on request			Sur	Surface Finish			7	
					AC	AC 1/4" clamp BS/ASME SB							$71 \leq 0.5 \mu\text{m}$					
						ZE	Luer N	Male + No reject					41		μm + Electro	nolish	_	
						on re	on request							eques				

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

TECHNICAL DATA

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

MATERIALS

Valves body:

Diaphragms:PTFE/O-ring:standBottle:500-1Header:PVDFRemovable handle:PVDF

AISI 316L (Werkstoff n. 1.4404) sanitary design PTFE/EPDM - FDA compliance standard FEP (PTFE incapsulated) 500-1000 ml borosilicate glass PVDF PVDF

AVAILABLE CONNECTION

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

Manual operated diaphragm valves DN 15 - 1/2"



OPERATING DATA

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

OPTIONAL

PALL Acrodisc CR PTFE Syringe Filters Silicone flexible hose ½"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



ASEPTIC SAMPLING VALVES



SPRING CHECK VALVES



SIGH GLASS-FLOW INDICATOR



MAGNETIC MIXER



SANITARY SAMPLING VALVES

HIGH PURITY BALL VALVES

mp

CLAMP FITTINGS

RR

DIAPHRAGM VALVES

Sanita

0

-



SANITARY SAMPLING BOTTLE



BUTTERFLY VALVES



TANK CONNECTIONS



WASHING DEVICES



Grafinart Crema (CR)

TANK BOTTOM ASEPTIC VALVE



DTS HEAT EXCHANGERS



SILICONE HOSE & FITTINGS



AERRE INOX s.r.l. Via Gerola, 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