

We are '*Professionals in Process/ Product Technologies*' with following expertise-

- **Conceptualization and Engineering of Projects**
- **Module and skid building**
- **Custom-built solutions**
- **Innovative hygiene Products for Pharma/ Dairy Industry**
- **Expertise in Pharma, Food, Natural resource based projects**
- **Business partners of world class products from Europe and USA**

Our Offerings-

- **Bio-Reactors And Fermenters**
- **Bio - Waste Decontamination Systems / Sterilization Systems / Inactivation Systems**
- **PWDS, WFIDS, CSDS Systems**
- **CIP Plants**
- **Pharmaceutical Machinery and Bio-pharma Custom Built Modules**
- **Mixing And Blending Vessels**
- **Dairy/Starch Projects**
- **Drying And Evaporation Projects**
- **Biorefineries**
- **Piping Engineering**
- **Plug-in Temperature / Brix / pH / Pressure/ Flow Control Modules**
- **Electrical And Automation Engineering**
- **Flow Control Equipment**
- **All Types Of Valves And Valve Automation**

On line sampling from the System/Bioreactors/Media is a cumbersome procedure, since contamination is a always problem in open sampling method. SM Biosystems has developed a closed loop sampling system with measurable 250/500 ml bottles. The unique advantages are ease of sampling, aseptic sampling, easy to sterilize and measurability.

Construction

1. 200 ml measuring bottle
2. SS diaphragm valves for sterility
3. Vent filter with silicon tube vent
4. Triclover direct connection.



Features

- Direct connection with Pharma grade coupling and 'O' ring
- MOC SS316L electro polished for the piping assembly
- Measurement of the samples
- No possibility of contamination
- Facility for online steam sterilization
- No Zero dead lag possible
- Designed for aseptic/ hygienic application

Technical Specifications

MOC	SS316L
Valves	DIN8,CRANE, SS316 body with Teflon coated EPDM diaphragms
Connection	TC end
MOC of rubber	Silicon rubber
Max. Pressure	4.5Kg/cm , 130°C
Bottle	Borosilicate glass 200ml, with level marking
Bottle connection	DIN 25 Nut SS 316 C

FOR MORE DETAILS CONTACT

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