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
- 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

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

FOR MORE DETAILS CONTACT

Office & Works: SM BIOSYSTEMS
S. No. 28 / 27, Dhayari, Narhe - Dhayari Road,
Behind Oneness Controls, Dhayari,
Pune - 411041,
Maharashtra INDIA
Tel-020 64701545, 020 24690018
Fax-020 24690655
Email: mktg@smbiosystems.com
response@smbiosystems.com
Visit us at www.smbiosystems.com