

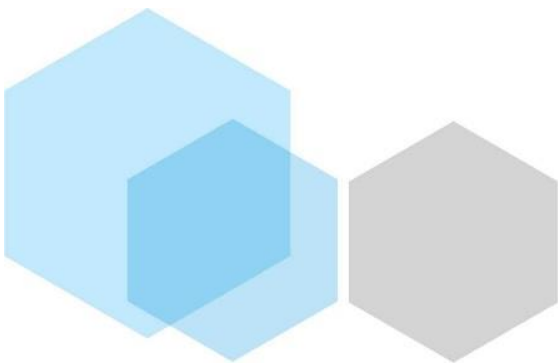
## Inline Sampling Chamber

This self-contained Sampling Chamber is a safe and easy method for collecting samples from high purity chemical systems while minimizing any additional contamination from human or atmospheric exposure with a flow-through design, isolation needle valves, and chemical inline sample connection points. The Sampling Chamber is placed inline and ran to drain for a user-settable duration, and can be easily removed by shutting the valves, capping the connections, and transporting to the analytical lab.

Once the Sampling Chamber is at the lab or controlled environment, the technician can remove the caps, connect, and pull a sample.

### Advantages

- ▶ Analytical costs can be reduced due to consistent samples that build confidence in results and reduce costly re-sampling.
- ▶ PFA welded construction for long term use, chemical compatibility, minimizing entrapment areas providing reliable sample results and introduction of any outside contamination.
- ▶ Contains a large install base making it a time-proven design and system.
- ▶ Can also be used to connect a remote particle counter.
- ▶ Professionally welded and constructed



## DFS INLINE SAMPLING CHAMBER

## Features

- ▶ Wetted parts are PFA or PTFE
- ▶ Non wetted parts are PFA, ETFE, and PVDF
- ▶ Needle valves for regulating, dispensing and isolating flow
- ▶ 100mL sample volume for use in multiple analytical tests, minimizing waste
- ▶ Maximum pressure 100 psig @ 72°F

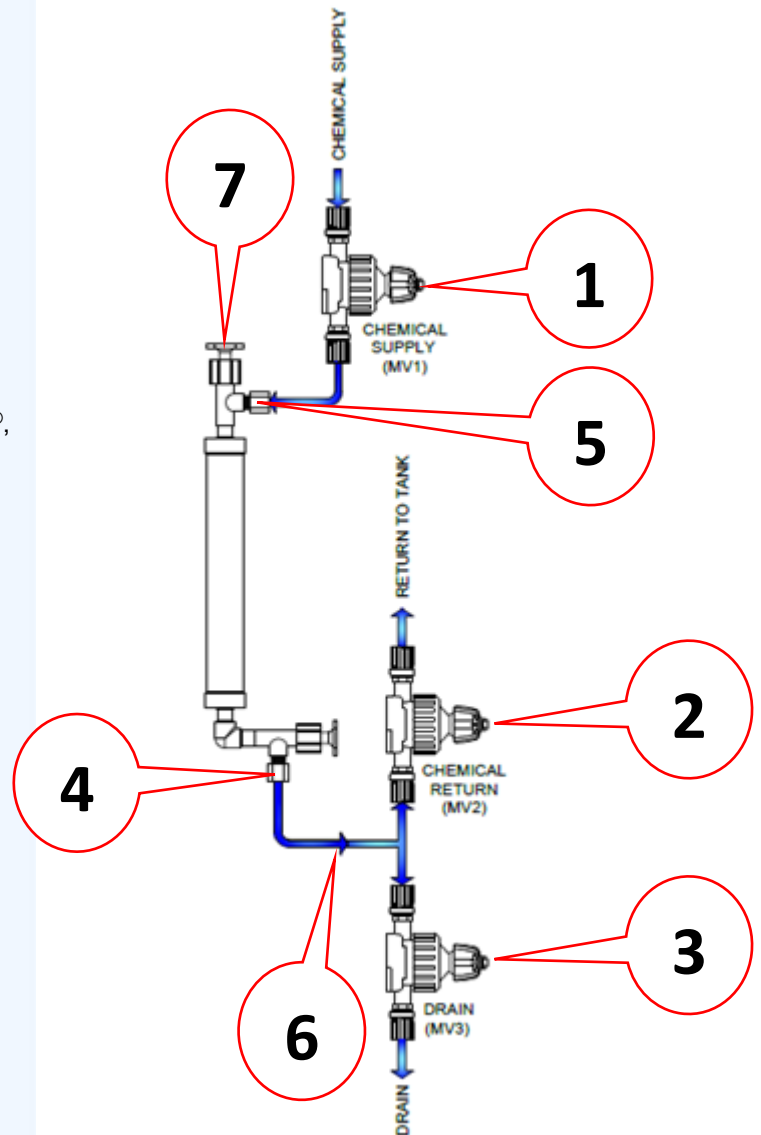
## Connection System Options

- ▶ Connection points can be Flaretek®, Pillar®, PrimeLock®, or compression.
- ▶ Different size sample chambers for customer-specific volumes.
- ▶ Valve manifold for diverting sample flows to drain, tank, or drum.
- ▶ Snap bracket assembly for holding the Sampling Chamber in place in the chemical system.
- ▶ Sample carriers for safe transportation to the analytical lab or storage.
- ▶ Chemical labeling for proper identification and safety.

## Installation Example

The operator must wear appropriate, site-specific PPE when installing the Sampling Chamber. In the graphic on the right, items 1 – 6 must be completed in order. Before beginning, make sure the Sampling Chamber is empty, needle valves are closed, and ports are capped.

1. Make sure manual valves are closed.
  - MV1 (1)
  - MV2 (2)
  - MV3 (3)
2. Place Sampling Chamber in the bracket, remove the port cap, and securely fasten the chemical line (4) and (5).
3. Open the discharge needle valve (6).
4. Open the inlet needle valve (7).



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