

SampleSafe™ Sample Collector

Now fill and seal sampling centrifuge tubes in a compact sterile environment.

- ✔ Simple, cost-effective way to minimize sample contamination risks
- ✔ Safer for operators, the process and the environment
- ✔ Installs in-line in minutes onto existing process equipment using standard connections
- ✔ Works with most sample valves, including Pharmenta® AptiPort® and SIPTube® valves
- ✔ CIP/ SIP at any time during the process
- ✔ Low cost per sample (under \$2)
- ✔ Uses Pharmenta's convenient 15 or 50 ml presterilized, autoclavable centrifuge tubes
- ✔ 316L Stainless Steel construction with your choice of FDA approved seal materials
- ✔ Application industries: pharmaceutical, biotechnology, fine chemical, food and beverage

The Pharmenta® SampleSafe™ collector is the ideal choice to accurately capture and seal the quality and character of your process into your samples while minimizing the hazards of sampling. The SampleSafe™ collector is a simple, compact chamber that fits right onto your sample valve outlet. Its in-line CIP/SIP capability allows you to fill and seal your samples into familiar presterilized autoclavable centrifuge tubes while they remain isolated from the outside working environment.

How It Works

1. Insert a presterilized Pharmenta® SampleSafe™ tube and close the SampleSafe™ collector.
2. Sterilize through the SampleSafe™ collector in-line with your sample valve.
3. Using the knob on the bottom of the SampleSafe™ collector, unscrew the sample tube from its cap and pull down to move the tube into a filling position.
4. Open the sample valve and watch the sample flow into the sample tube.
5. Close the sample valve.
6. To seal the sample tube, push up and twist the SampleSafe™ knob until the filled sample tube screws back into and seals with the cap. You have now captured and sealed your sample in sterile isolation.
7. (Optional) Flush, sanitize or re-sterilize to clean off the outside of the sealed sample tube before opening the SampleSafe™ collector.
8. Remove the SampleSafe™ cover and extract the sealed sample.



Insert pre-sterilized sample tube and SIP

Fill & seal in isolation

Remove sealed sample

SampleSafe[®] Sample Collector

Safer for Operator and Environment

If the sampled material presents a hazard to environment or operator, the SampleSafe[™] system may be sanitized or re-sterilized after the filled sample tube is sealed, but before the SampleSafe[™] is opened. For those special situations where potentially hazardous sample material is heat-sensitive and sanitizing agents are not adequate, contact your Pharmenta representative for our add-on solution.

Lower Cost Per Sample, Shorter per Sample Cycle Time

Pharmenta supplies autoclavable, presterilized 15 or 50ml centrifuge tubes, ready for immediate use. This familiar format is easy and convenient for operators to use. Typically the cost for operating the SampleSafe[™] collector is less than \$2 per sample – not \$10 to \$15 as is the case with some other systems. And because you don't have to pre-autoclave a sampling assembly or individual receptacles, you save on preparation and staging time.

Installs or Retrofits In-Line in Minutes

Fitted with the option of tri-clamp ends, the SampleSafe[™] installs in-line in the time it takes to make two tri-clamp connections – one to your sample valve's outlet and the other to your condensate drain line. No special ports are needed; no welding is required. It works with the Pharmenta APTiPort[®] sampling valve, the Pharmenta SIPTube[®] valve, and most third party sampling valves.

Easy to Maintain

The SampleSafe[™] collector has few parts and can be quickly and easily disassembled for inspection. Its simple design makes it durable and reliable, as well as easy and inexpensive to maintain.

Compliant Materials

The SampleSafe[™] body is constructed of 316L stainless steel and durable, impact resistant borosilicate glass. Seals are available in a variety of FDA compliant materials.

Part of a Complete Sampling System

To achieve the best possible sample the entire sample flow path should be considered, from when the sample leaves the tank until it is sealed inside the sample tube. While the SampleSafe[™] collector works with most sampling valves on the market today, many of these sampling valves permit accumulation or pooling of samples, cleansing medium or condensate, which may contaminate or dilute your samples.

To reduce such upstream problems, Pharmenta developed the APTiPort[®] sampling valve (shown.) This versatile CIP/SIP-anytime sanitary diaphragm valve with its smooth, steeply



declining internal passages, is the only sampling valve on the market designed to sample through standard inclined 25mm sensor ports (Ingold, etc) for optimum draining and sample site flexibility.

Using a complete Pharmenta sampling solution, with its clean-through, steam-through technology, minimizes the risk of sample adulteration.

Technical Specifications

Max Pressure/Temperature:

SampleSafe[™] collector: 30psi at 130°C

SampleSafe[™] tubes: 15psi at 125°C

Overall Dimensions: 12" x 5" x 5"

Sample size: 15ml 50ml

Seal Materials: EPDM Silicon

Viton

Connections: Tri-clamp Butt-weld



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