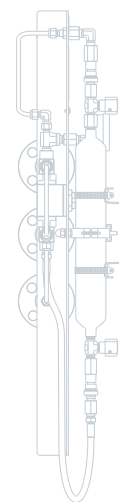
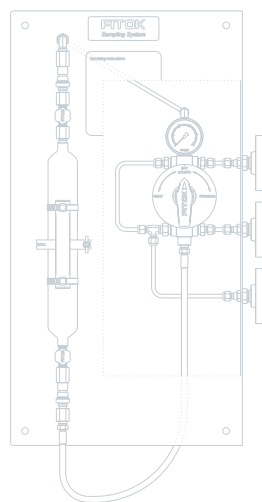
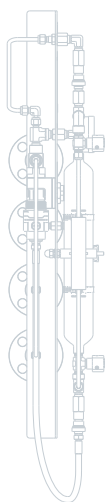
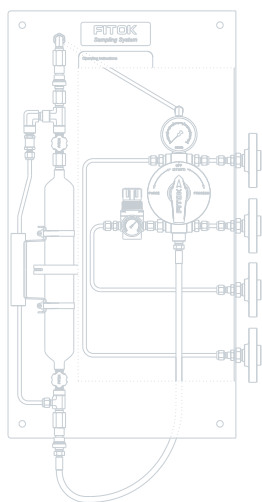


FITOK

Full Technical Catalog for Sampling Systems



FITOK Full Technical Catalog
for Sampling Systems

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Overview

Sampling system, also known as sampler, is a kind of equipment used for representative sample collection from industrial processes. Due to the growing complexity of the industrial processes, the requirements for product analysis increase continuously, and the safety for sampling process is given more and more consideration. The simple and primitive sampling system has evolved into a safe and reliable closed-loop sampling system. FITOK offers two kinds of sampling systems, namely bottle configuration sampling systems and cylinder configuration sampling systems according to the difference of container. For bottle configuration sampling systems, the sample is drawn into the sample bottle at atmospheric pressure. For cylinder configuration sampling systems, however, the sample is drawn into the sample cylinder at process pressure.

Advantages of FITOK Sampling Systems

- ⦿ Safer for the operator
- ⦿ Safer for the sample
- ⦿ Safer for the environment
- ⦿ Ease of operation
- ⦿ Ease of maintenance
- ⦿ Economical
- ⦿ Customization

Bottle Configuration Sampling Systems

- ⦿ Configuration: The container consists of bottle, septum and cap. The sampler consists of tubing, valves and fittings.
- ⦿ Operating principle: During sampling, the sample can flow into the sample bottle through the process needle, while air and vapor in the bottle are vented through the vent needle. When the required amount has been taken, close the sampling system and take out the sample bottle from the sleeve to complete the sampling process.
- ⦿ Applicable process conditions: High-temperature, high-pressure, high-viscosity, corrosive, high-toxicity or environmentally hazardous liquids.
- ⦿ Mounting types: In-line mounted, wall-mounted and bracket-mounted.



Cylinder Configuration Sampling Systems

- ⦿ Configuration: The container consists of a cylinder at both ends equipped with a needle valve and a quick-connect. The sampler consists of tubing, valves and fittings.
- ⦿ Operating principle: During sampling, the sample can flow into the sample cylinder via the sampling loop. When sampling liquefied gases, a fixed amount of sample is transferred to the expansion chamber to make sure that the cylinder is not fully filled. Close the needle valves at both ends of the cylinder to depressurize the quick-connect through the vent. Remove the cylinder from the sampling system to complete the sampling process.
- ⦿ Applicable process conditions: High-temperature, high-pressure, corrosive, high-toxicity, high-volatility or environmentally hazardous liquefied gases, liquids and gases.
- ⦿ Mounting types: Wall-mounted and bracket-mounted.



Options

- ⦿ Panel
- ⦿ Enclosure
- ⦿ Pipe stand
- ⦿ Carbon canister
- ⦿ Spring return handle
- ⦿ Lockable handle
- ⦿ Connection type
- ⦿ Size and material