

BLE5 - Overflow Type with Vacuum Connection

Features

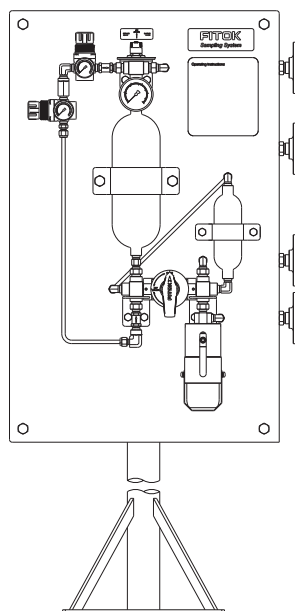
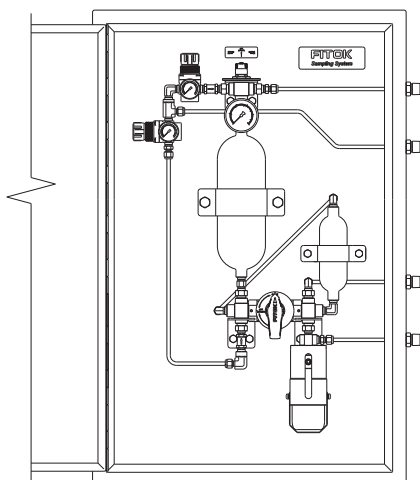
- Sampling from process lines at atmospheric pressure or vacuum condition
- Fixed volume sampling
- Overflow sampling and back purge
- Easy operation with a single handle by linkage valve

Basic Configuration

Wetted Material	316 SS	
Sleeve Assembly	250 ml sleeve with bottle retaining clip	
Needle Assembly	Process/vent needle ID: 1.4 mm (0.06")	
Sampling Valve	BF Series 3-way ball valves (gearbox linkage): PTFE seat and FKM O-ring Max. working pressure: 1500 psig @ 70°F (103 bar @ 20°C) Temperature range: 0°F to 450°F (-18°C to 232°C)	
Nitrogen Branch	Nitrogen regulator	
	CV Series check valves	
Connections	1/4" tube fitting	
Others	Overflow cylinder, sample chamber (200 ml), ball valve	

Note: Products of other specifications are available upon request.

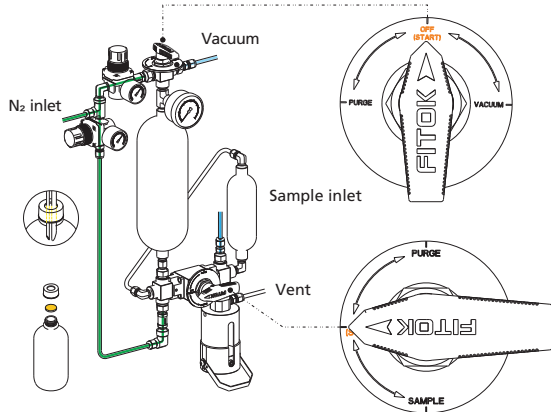
Typical Installation Mode



Operation

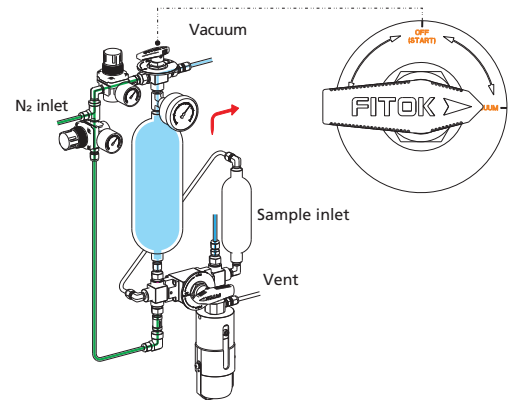
1 - Preparation

Place a new septum on the sample bottle. Insert the bottle with cap and septum into the sleeve until the septum is pierced by the needles. Swing down the bottle retaining clip.



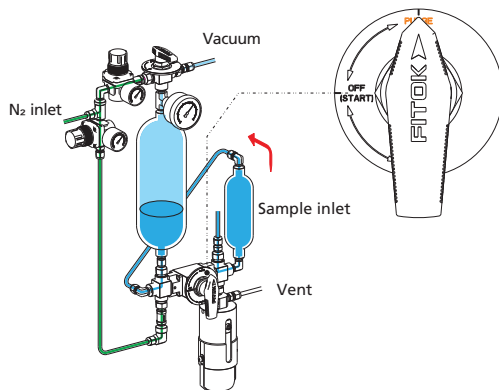
2 - Vacuum

Turn the handle on the top of the overflow cylinder to the "VACUUM" position to vacuumize the overflow cylinder. Turn the handle to the "OFF" position.



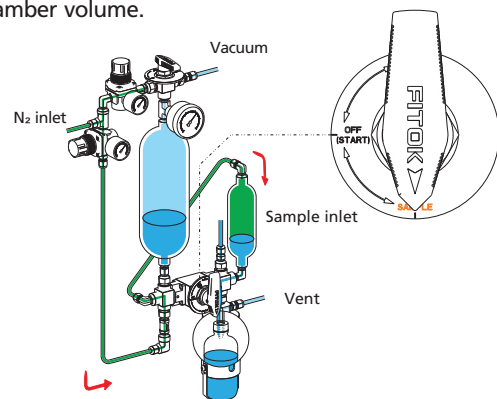
3 - System Purge

Turn the main handle to the "PURGE" position, allowing the sample to flow from the process line into the vacuumized overflow cylinder through the sample chamber to ensure representative sampling.



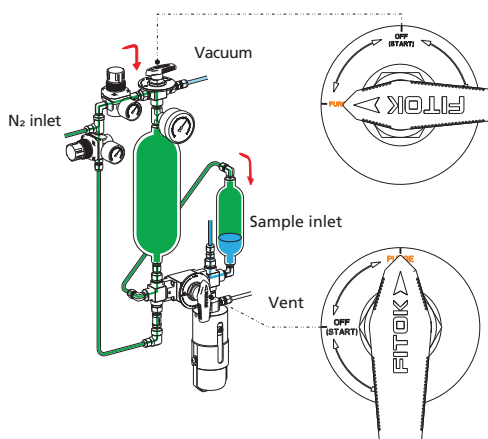
4 - Sampling

Turn the main handle to the "SAMPLE" position, allowing Nitrogen to force the sample from the sample chamber into the bottle and purge the sample chamber and needle assembly. The amount of sample depends on the sample chamber volume.



5 - Back Purge

Turn the main handle and the handle on the top of the overflow cylinder to the "PURGE" position, allowing Nitrogen to force the residual sample from the system into the process line.



6 - OFF

Turn the two handles to the "OFF" position to close the sampling system. Remove the bottle retaining clip and take out the bottle from the sleeve. The septum reseals automatically to complete the sampling process.

