

## D Series

### BLD1 - Threaded Connection Type

#### Features

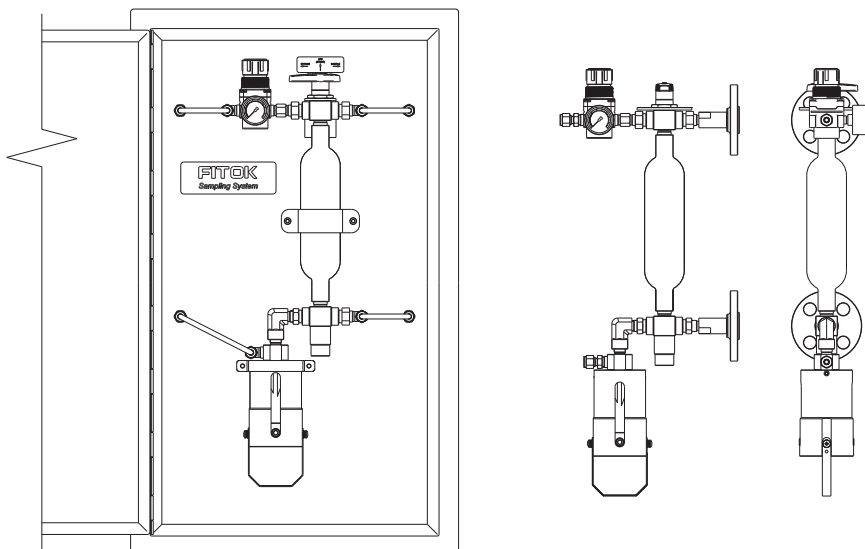
- Sampling from medium or high pressure devices or process lines
- Fixed volume sampling
- System purge and needle purge
- Easy operation with a single handle by linkage valve

#### Basic Configuration

<b>Wetted Material</b>	316 SS	
<b>Sleeve Assembly</b>	250 ml sleeve with bottle retaining clip	
<b>Needle Assembly</b>	Process/vent needle ID: 1.4 mm (0.06")	
<b>Sampling Valve</b>	BF Series 3-way ball valves (rod 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)	
<b>Nitrogen Branch</b>	Nitrogen regulator	
	CV Series check valves	
	Pressure gauge	
<b>Connections</b>	1/4" FNPT	
<b>Others</b>	Sample chamber (200 ml)	

Note: Products of other specifications are available upon request.

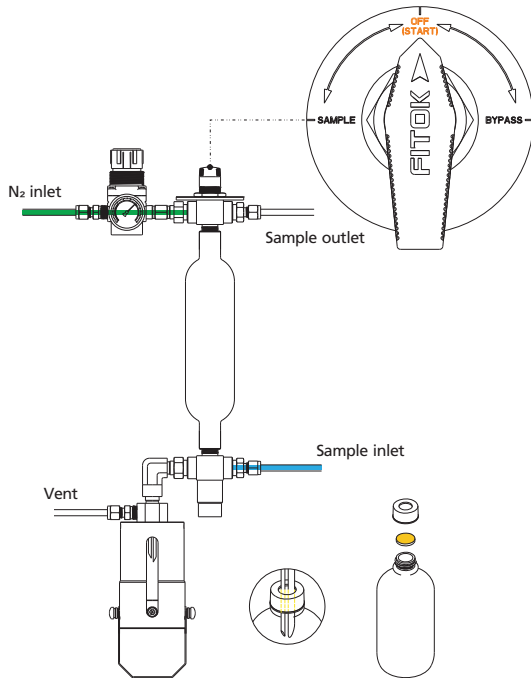
#### Typical Installation Mode



## Operation

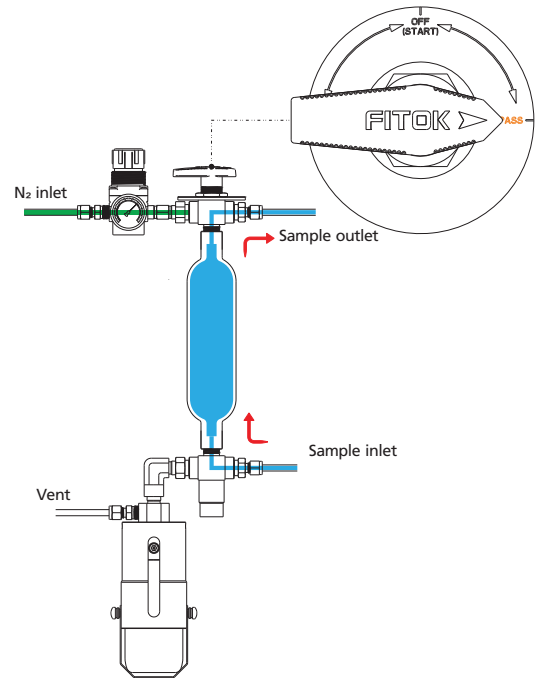
### 1 - Preparation

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.



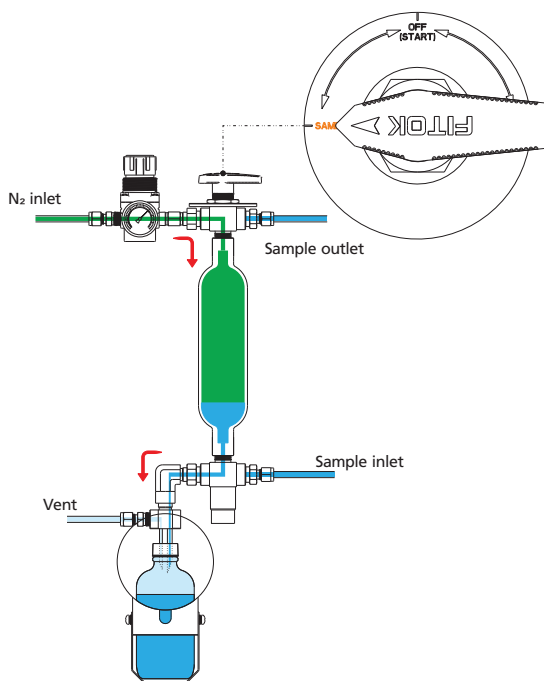
### 2 - System Purge

Turn the handle to the "BYPASS" position, allowing the sample to flow continuously through the sample chamber. Hold for a period of time to ensure representative sampling.



### 3 - Sampling

Turn the 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.



### 4 - Off

Turn the handle 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.

