

BLA5 - Back and Needle Purge Type

Features

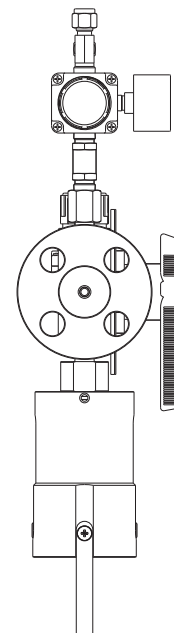
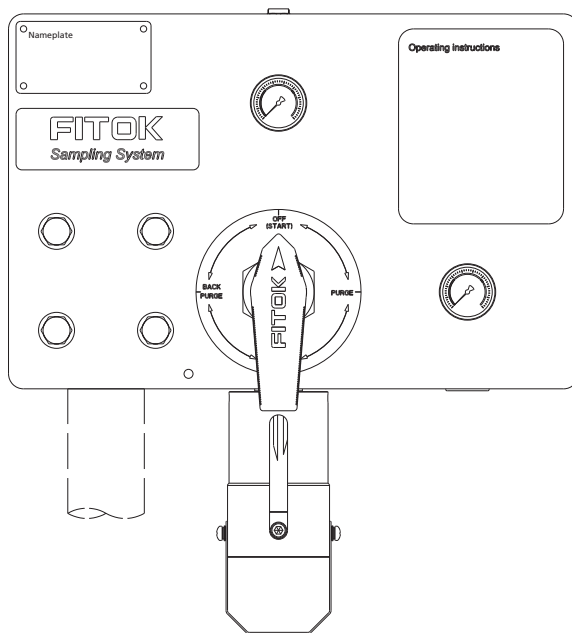
- ⦿ Sampling from low pressure devices or process lines: 0-145 psig (0-10 bar)
- ⦿ Back purge and needle purge

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	BO Series 4-way ball valves: PTFE seat Max. working pressure: 2500 psig @ 70°F (172 bar @ 20°C) Temperature range: 50°F to 140°F (10°C to 65°C)	
Nitrogen Branch	Nitrogen regulator	
	CV Series check valves	
	Pressure gauge	
Connections	1/4" tube fitting	

Note: Products of other specifications are available upon request.

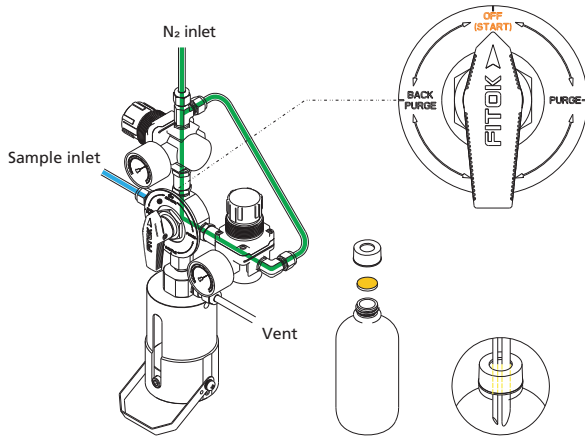
Typical Installation Mode



Operation

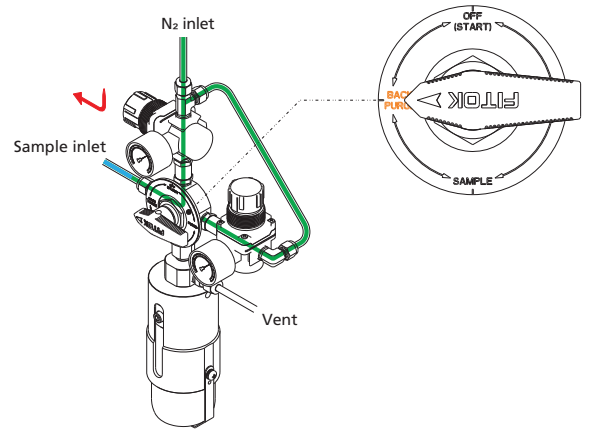
1 - Preparation

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.



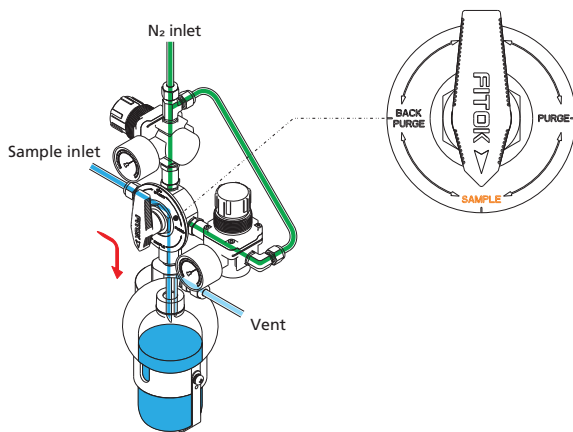
2 - Back Purge

Turn the handle to the "BACK PURGE" position, allowing Nitrogen to force the residual sample from the system into the process line to ensure representative sampling.



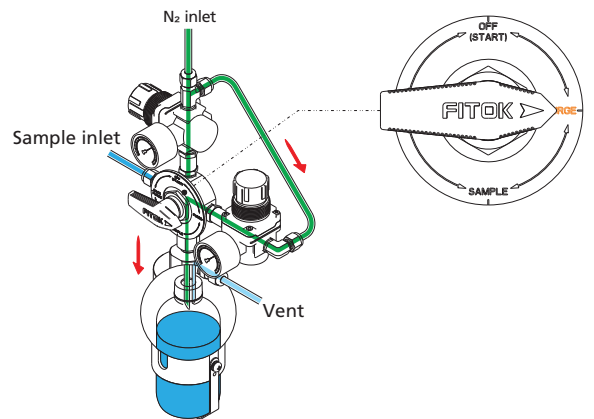
3 - Sampling

Turn the handle to the "SAMPLE" position, allowing the sample to flow into the bottle.



4 - Needle Purge

When the required amount has been taken, turn the handle to the "PURGE" position, allowing Nitrogen to force the residual sample from the needle assembly into the bottle.



5 - 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.

