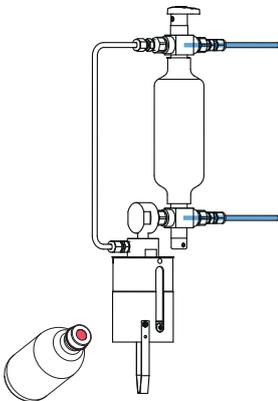


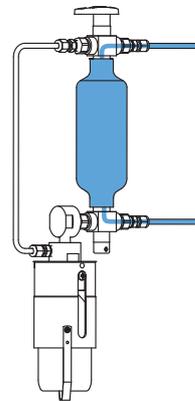
The ability to purge the sample point ensures optimal retrieval of a representative, contamination free sample. The S23 type sampler provides a system purge in addition to a fixed sample volume. No vent connection is needed. The vent is connected to the top valve. This way a loop is created in order to fill the bottle by means of gravity.

The unique design offers a one handle operation by multiple valves, allowing for sampling independent of the process conditions. These features provide sample accuracy and safety.

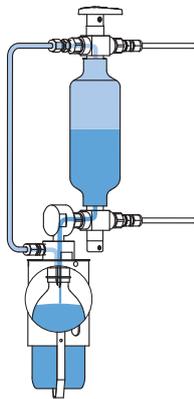
1 OPERATION/FUNCTION



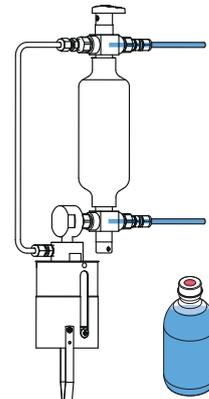
0 - off
Provide a new septum on your sample bottle. Insert the bottle, with cap and septum into the sleeve until the septum is pierced by the needles. Put the bottle retaining clip in place.



1 - system purge
Turn the handle to the "bypass" position, allowing a continuous flow of liquid through the sampler to ensure representative sampling. This position can be held for any required time.

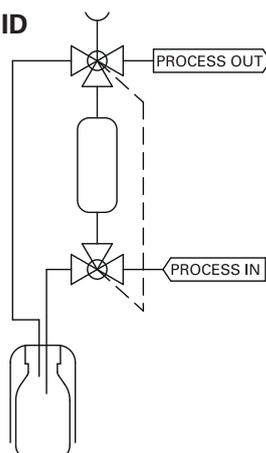


2 - sample
Turn the handle to the "sample" position, allowing the product to flow into the sample bottle. The fixed volume sample chamber determines the amount of sample. This position can be held for any required time.



3 - off
Turn the handle to the "off" position. Remove the bottle retaining clip and pull the bottle out from the sleeve. The septum reseals automatically.

2 TYPICAL P & ID



No purge (D7)



3 FEATURES/ADVANTAGES/PROPERTIES

- Sampling independent of process conditions
- High pressure and vacuum applications
- Representative sampling
- Zero dead volume
- Closed sampling
- One handle operation
- Fixed volume sampling

4 BASIC SPECIFICATIONS

Material	SS316, SS316L.
Sleeve type	60cc sleeve with bottle retaining clip.
Needle assembly	Single piece VTO needle assembly with vent connected to top valve. Process/vent needle ID: 3.00 mm.
Sample chamber	50cc.
Valve	Three-way ball valve type W83. PTFE seats, Viton A O-rings. Pressure range 103 bar @ 20°C (1500 psig @ 70°F). Temperature range -17/+232°C (0/+450°F).
Operation	Manual.
Connections	1/4" FNPT.
Please note:	the above is a basic specification only. DOPAK® Samplers can be offered with a wide variety of options as mentioned below.



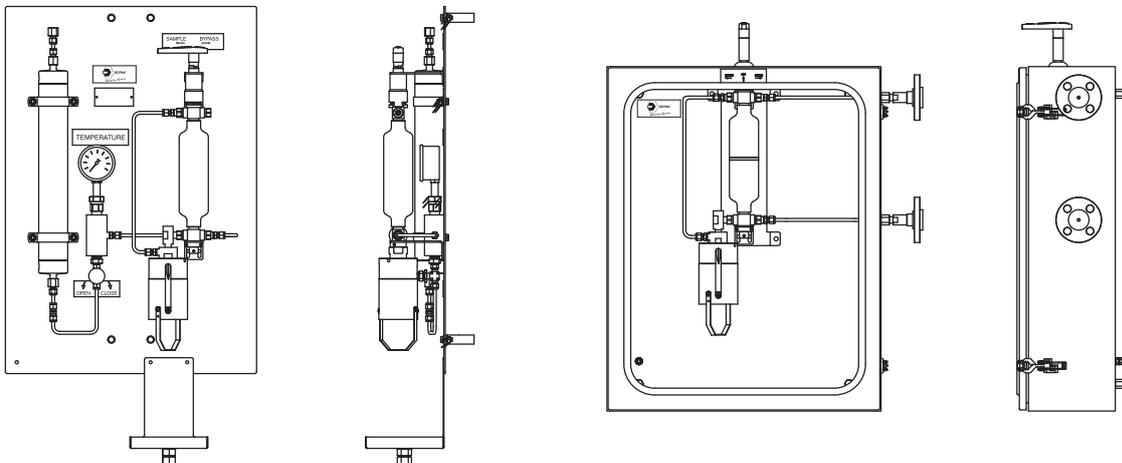
5 OPTIONS

- Spring return handle
- Lockable handle
- Mounting plate
- Pipe stand
- Block valve
- Flow meter
- Enclosure
- Steam jacket
- Sample cooler
- Mounting bracket
- Steam sterilizing cap
- Welded connections
- Exotic materials
- Larger/smaller sample size

For more information please refer to our sheets:

Options for DOPAK® process samplers, sampling into a bottle.

Components for DOPAK® process samplers.



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