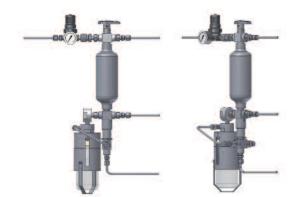


# **DOPAK® Process Sampler Type S23**

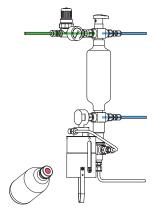
third coupled valve configuration (D4)



The ability to purge the sample point ensures optimal retrieval of a representative, contamination free sample. The S23 type sampler with third coupled valve configuration provides a system purge and positive vent line shut off in addition to a fixed sample volume.

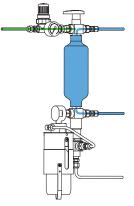
The unique design offers a one-handle operation by multiple valves, allowing for sampling independent of the process conditions. These features provide sample accuracy and safety.

### 1 OPERATION/FUNCTION



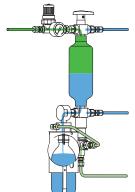
#### 0 - off

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. The valve in the vent line is closed.



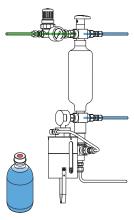
#### 1 - system purge

Turn the handle to the "bypass" position, allowing a continuous flow of liquid through the sample chamber to ensure representative sampling. This position can be held for any required time. The valve in the vent line is closed.



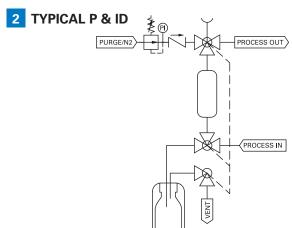
### 2 - sample

Turn the handle to the "sample" position, allowing the product to flow into the sample bottle. The fixed volume chamber determines the amount of sample. The inert gas will assist the sample into the bottle and will purge the sampler. This position can be held for any required time. The valve in the vent line is opened.



#### 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. The valve in the vent line is closed.





## **3** FEATURES/ADVANTAGES/PROPERTIES

Sampling independent of process conditions
High pressure and vacuum applications

Representative sampling

Zero dead volume

 d sampling

One handle operation

Purging of sampler

Positive vent line shut off

### 4 BASIC SPECIFICATIONS

Material	SS316, SS316L.	\ <u>9</u>
Sleeve type	60cc sleeve with bottle retaining clip.	0
Needle assembly	Single piece VTO needle assembly with vent to outlet connection 1/4" FNPT.  Process/vent needle ID: 1.35 mm.	OF THE STREET
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.	100
Connections	1/4" FNPT, regulator, gauge and check valve included.	
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 handleLockable handleMounting plate

☐ Pipe stand

□ Block valve□ Flow meter

EnclosureSteam jacket

Sample cooler

→ Mounting bracket

Steam sterilising capWelded connections

Exotic materials

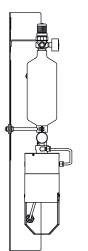
Larger/smaller sample size

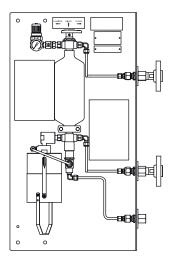
Continuous needle purge

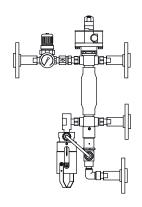
For more information please refer to our sheets:

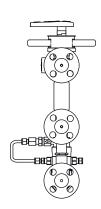
Options for DOPAK® process samplers, sampling into a bottle.

Components for DOPAK® process samplers.









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