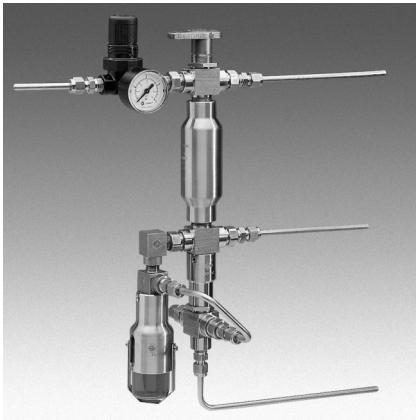


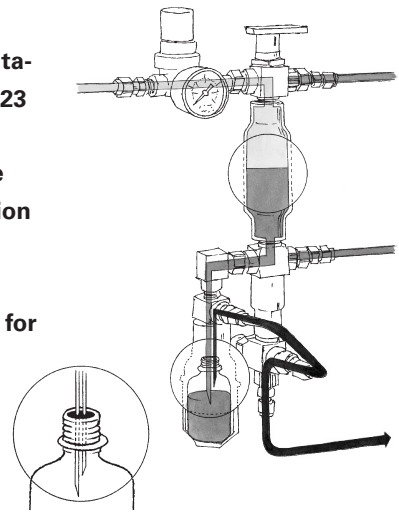
## DOPAK® Process Sampler Type S23

third coupled valve configuration

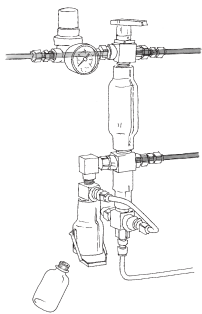


The ability to purge the sample point ensures optimal retrieval of a representative, contamination free sample. The S23 type sampler with third coupled valve configuration provides a system purge and positive vent line shut off in addition to a fixed sample volume.

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.

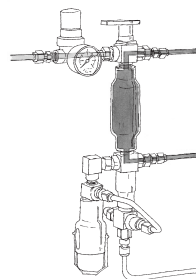


### 1 OPERATION/FUNCTION



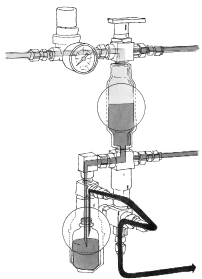
#### 0 - off

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.



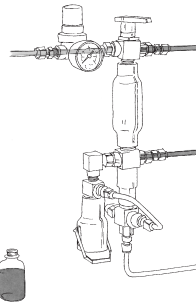
#### 1 - system purge

Turn the handle to the "purge" 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

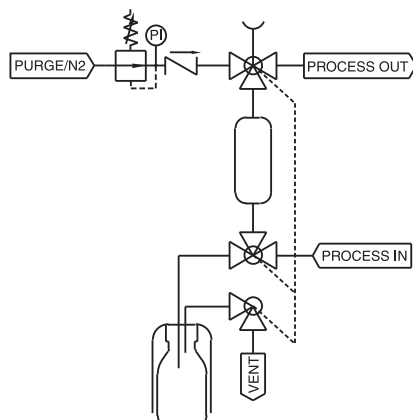
Turn the handle to the "sample" position, allowing the product to flow into the sample bottle. The fixed volume chamber determines the amount of sample. The inert gas will assist the sample into the bottle and will purge the sampler. This position can be held for any required time. The valve in the vent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

### 2 TYPICAL P & ID



### 3 FEATURES/ADVANTAGES/PROPERTIES

- |   |  |
|---|--|
| <input type="checkbox"/> Sampling independent of process conditions | <input type="checkbox"/> One handle operation        |
| <input type="checkbox"/> High pressure and vacuum applications      | <input type="checkbox"/> Fixed volume sampling       |
| <input type="checkbox"/> Representative sampling                    | <input type="checkbox"/> Purging of sampler          |
| <input type="checkbox"/> Zero dead volume                           | <input type="checkbox"/> Positive vent line shut off |
| <input type="checkbox"/> Closed sampling                            |  |

### 4 BASIC SPECIFICATIONS

<b>Material</b>	SS316, SS316L.	
<b>Sleeve Type</b>	60cc sleeve with bottle retaining clip.	
<b>Needle Assembly</b>	Single piece VTO needle assembly with vent to outlet connection 1/4" FNPT. Process/vent needle ID: 1.35 mm.	
<b>Sample Chamber</b>	50cc.	
<b>Valve</b>	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).	
<b>Operation</b>	Manual.	
<b>Connections</b>	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.

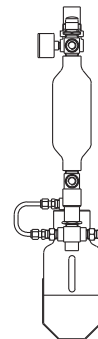
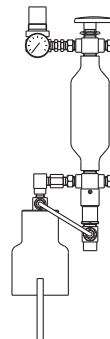
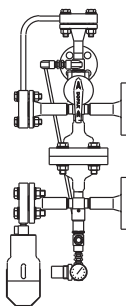
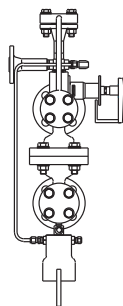
### 5 OPTIONS

- |   |   |
|---|---|
| <input type="checkbox"/> Spring return handle | <input type="checkbox"/> Steam jacket               |
| <input type="checkbox"/> Lockable handle      | <input type="checkbox"/> Sample cooler              |
| <input type="checkbox"/> Mounting plate       | <input type="checkbox"/> Mounting bracket           |
| <input type="checkbox"/> Pipe stand           | <input type="checkbox"/> Steam sterilising cap      |
| <input type="checkbox"/> Block valve          | <input type="checkbox"/> Welded connections         |
| <input type="checkbox"/> Flow meter           | <input type="checkbox"/> Exotic materials           |
| <input type="checkbox"/> Enclosure            | <input type="checkbox"/> Larger/smaller sample size |
|   | <input type="checkbox"/> Continuous needle purge    |

For more information please refer to our sheets:

**Options for DOPAK® process sampler type S23.**

**Components for DOPAK® process samplers.**



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