

**DOPAK® Process Sampler Type DPM**

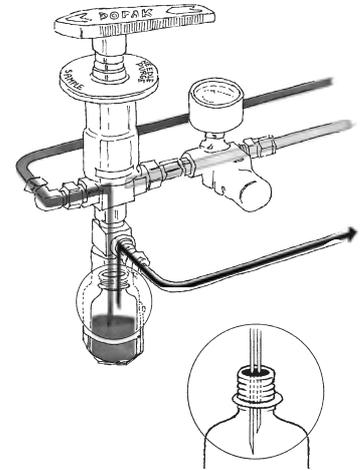
**needle purge configuration**



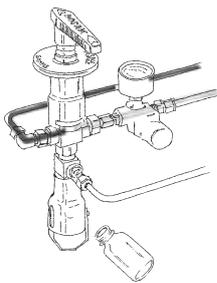
The ability to purge the needle assembly ensures there is no residue or build up in the needle assembly after retrieval of a representative, contamination free sample.

The unit offers the possibility to purge the bottle with an inert gas prior taking a sample.

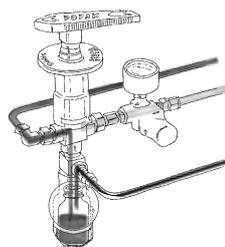
The DPM type sampler in needle purge configuration allows purging through the needle assembly.



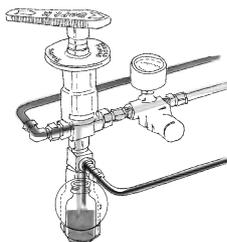
**1 OPERATION/FUNCTION**



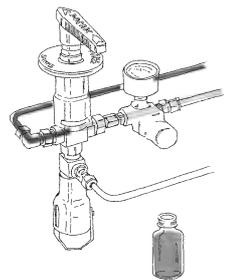
**0 - off**  
Provide a new septum on your sample bottle. Insert the bottle, with cap and septum into the sleeve until the septum is pierced by the needles. Put the bottle retaining clip in place.



**1 - sample**  
Turn the handle to the "sample" position, allowing the product to flow into the sample bottle. When the required amount has been taken, turn the handle to the "off" position.

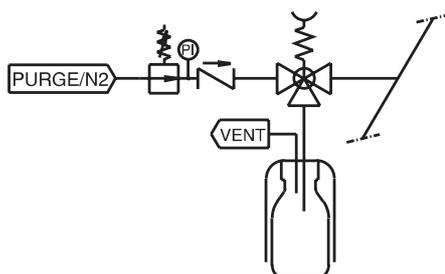


**2 - needle purge**  
Turn the handle to the "needle" position, allowing a flow of purge gas through the sampler to ensure any residual liquid is forced into the sample bottle. This position can be held for any required time.



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

**2 TYPICAL P & ID**



### 3 FEATURES/ADVANTAGES/PROPERTIES

- Sampling directly under process conditions
- Low pressure application
- Representative sampling
- Minimal dead volume
- Closed sampling
- No build up of sample material in needle assembly
- Purging the sample bottle with an inert gas

### 4 BASIC SPECIFICATIONS

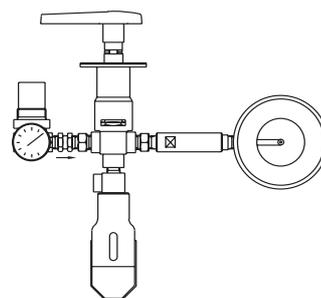
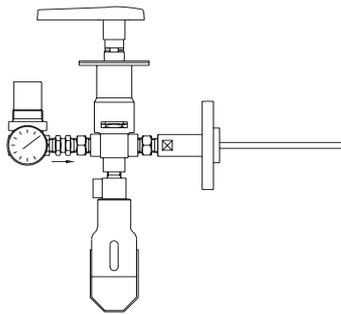
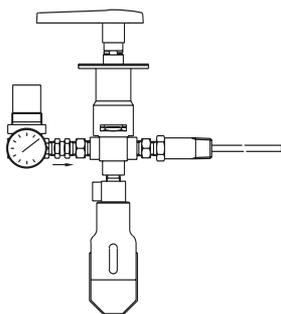
<b>Material</b>	SS316, SS316L.	
<b>Sleeve Type</b>	60cc sleeve with bottle retaining clip.	
<b>Needle Assembly</b>	Single piece VTO needle assembly with vent to outlet connection 1/4" FNPT. Process/vent needle ID:1.35 mm.	
<b>Valve</b>	Three-way ball valve type W83. PTFE seats, Viton A O-rings. Pressure 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

- Spring return handle
- Lockable handle
- Mounting plate
- Pipe stand
- Block valve
- Flow meter
- Enclosure
- Sample cooler
- Mounting bracket
- Steam sterilising cap
- Welded connection
- Continuous needle purge
- Exotic materials
- Larger/smaller sample size

For more information please refer to our sheets:  
**Options for DOPAK® process sampler type DPM.**  
**Components for DOPAK® process samplers.**



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