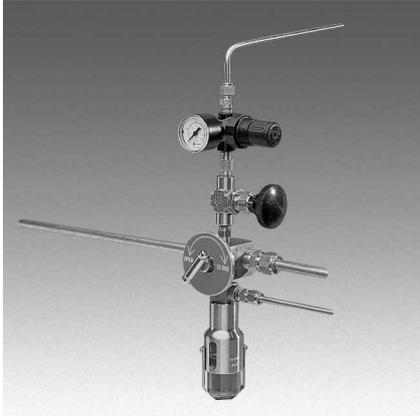
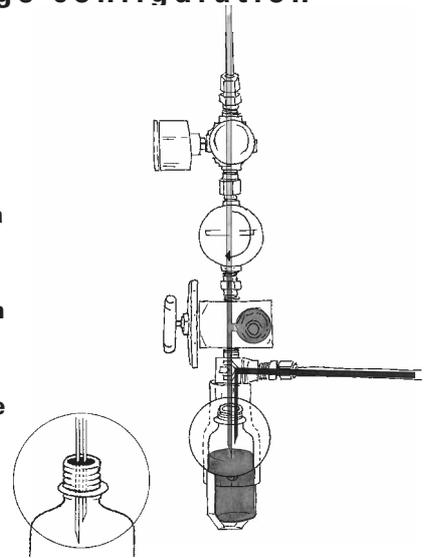


**DOPAK® Process Sampler Type DPM**

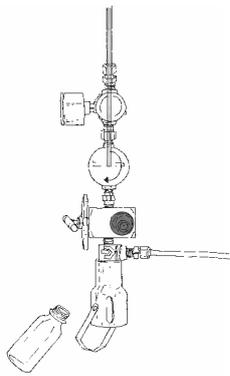
in line, needle purge configuration



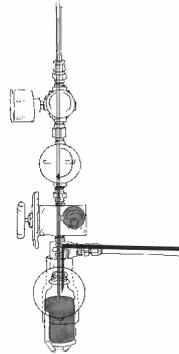
The ability to purge the needle assembly, both before and after sampling, ensures there is no residue build up in the needle assembly after retrieval of a representative, contamination free sample. The DPM type of sampler in an in line needle purge configuration allows product to flow directly into the sampler via an in line sample valve.



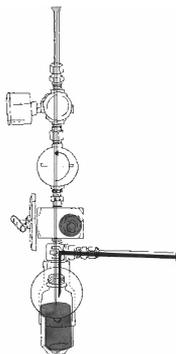
**1 OPERATION/FUNCTION**



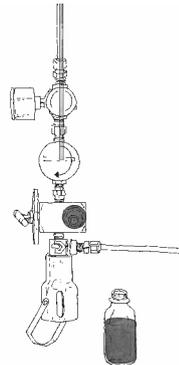
**0 - off**  
Provide a new septum on your sample bottle. Insert the sample bottle, with cap and septum into the sleeve until the septum is pierced by the needles. Put the bottle retaining clip in place.



**1 - sample**  
Turn the handle of the needle valve anti clockwise, allowing the product to flow into the sample bottle. When the required amount has been taken, turn the handle clockwise to close the valve.

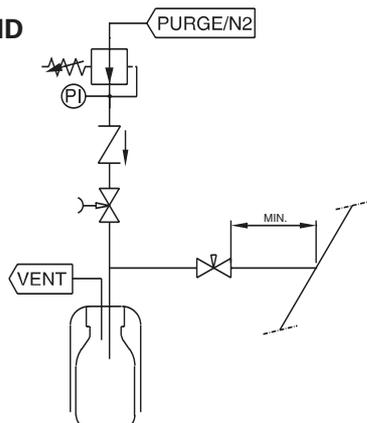


**2 - needle purge**  
Open the valve in the purge line allowing a flow of gas through the sampler to ensure any residual liquid is forced into the sample bottle. This position can be held for any required time. Close the valve.



**3 - off**  
Remove the bottle retaining clip and pull the bottle out of the sleeve. The septum reseals itself automatically.

**2 TYPICAL P & ID**



### 3 FEATURES/ADVANTAGES/PROPERTIES

- |                          |  |                          |   |
|--------------------------|--|--------------------------|---|
| <input type="checkbox"/> | Sampling directly under process conditions | <input type="checkbox"/> | Closed sampling                                       |
| <input type="checkbox"/> | Low/elevated pressure applications         | <input type="checkbox"/> | No build up of sample material in the needle assembly |
| <input type="checkbox"/> | Representative sampling                    | <input type="checkbox"/> | Inertizing of bottle                                  |
| <input type="checkbox"/> | Zero dead volume                           |                          |   |

### 4 BASIC SPECIFICATIONS

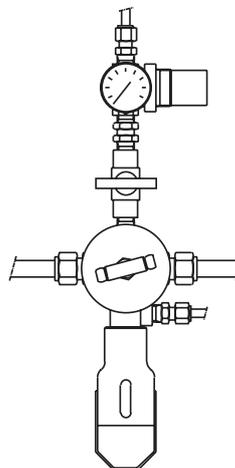
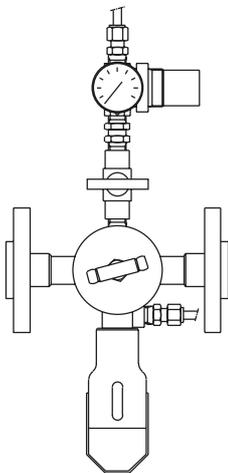
<b>Material</b>	SS316.	
<b>Sleeve Type</b>	60cc sleeve with bottle retaining clip.	
<b>Needle Assembly</b>	Single piece VTO needle assembly with vent to outlet connection 1/4" FNPT. Process/vent needle ID: 1.35 mm.	
<b>Valve</b>	In line valve. Pressure range 206 bar @ 20°C (3000 psig @ 70°F). Temperature range -20/+230°C (-4/+446°F).	
<b>Operation</b>	Manual.	
<b>Connections</b>	Process: 1/2" FNPT. Purge: 1/4" FNPT, regulator, gauge and check valve included. Process: 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

- |                          |                       |                          |                            |
|--------------------------|-----------------------|--------------------------|----------------------------|
| <input type="checkbox"/> | Lockable handle       | <input type="checkbox"/> | Exotic materials           |
| <input type="checkbox"/> | Enclosure             | <input type="checkbox"/> | Solvent purge facility     |
| <input type="checkbox"/> | Steam sterilising cap | <input type="checkbox"/> | 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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