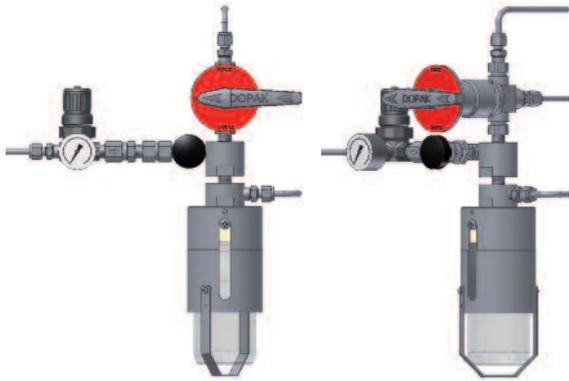


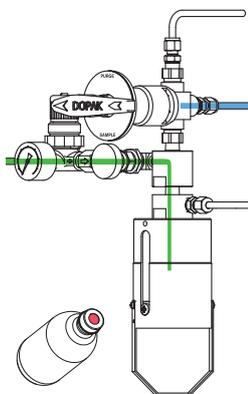
DOPAK® Process Sampler Type DPM

system purge & continuous needle purge configuration (A7)



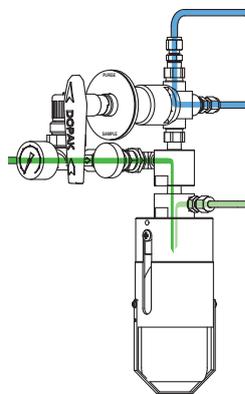
The ability to purge the sample point ensures optimal retrieval of a representative and contamination free sample. The DPM type sampler in system purge configuration allows product to flow continuously through the sampler ensuring a fresh sample and also allows to purge the needle assembly continuously before and after sampling.

1 OPERATION/FUNCTION



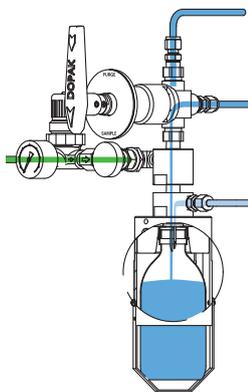
0 - off

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. A flow of inert gas purges the needle assembly continuously.



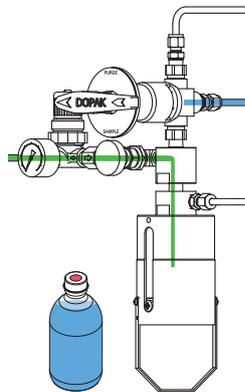
1 - system purge

Turn the handle to the "system purge" position, allowing a continuous flow of liquid through the sampler to ensure representative sampling. This position can be held for any required time. A flow of inert gas purges needle assembly and sample bottle continuously.



2 - sample

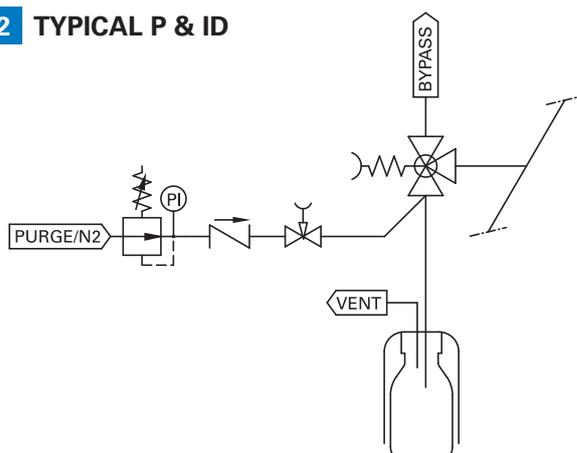
Turn the handle to the "sample" position, allowing the product to flow into the sample bottle. When the required amount has been taken, turn the handle to the "off" position.



3 - off

A flow of inert gas purges the needle assembly continuously. Remove the bottle retaining clip and pull the bottle out from the sleeve. The septum reseals automatically.

2 TYPICAL P & ID



System purge / continuous needle purge (A7)



3 FEATURES/ADVANTAGES/PROPERTIES

- Sampling directly under process conditions
- Low pressure application
- Representative sampling
- Zero dead volume
- Closed sampling

4 BASIC SPECIFICATIONS

Material	SS316, SS316L.
Sleeve type	60cc sleeve with bottle retaining clip.
Needle assembly	Single piece VTO needle assembly with vent to outlet connection 1/4" FNPT. Process/vent needle ID: 1.35 mm.
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°C/+232°C (0°/+450°F).
Operation	Manual. (Shown images are equipped with a spring return handle.)
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.



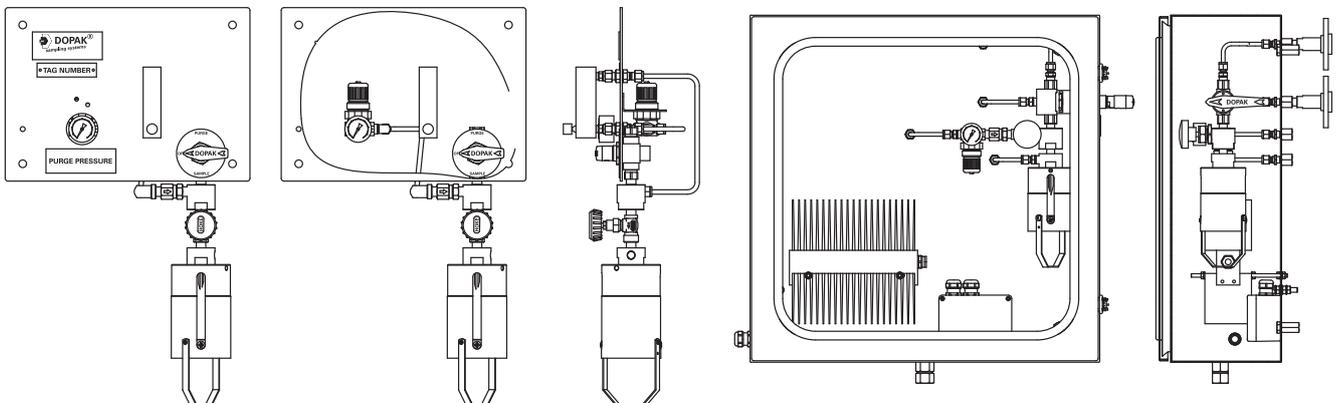
5 OPTIONS

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

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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