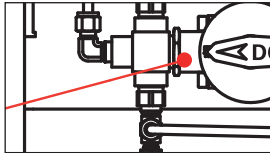


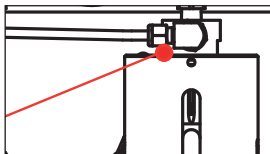
### Options

The Dopak® sampling systems for liquids can be adapted to your needs with a large variety of options. Please see below for possible options we are able to offer.



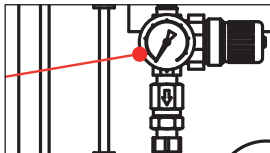
**1. Gearbox**

Makes it possible to operate two ball valves with one single handle.



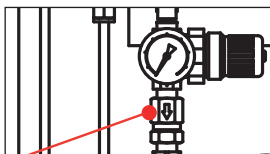
**2. VTO needle assembly**

Enables a zero emission sample to be taken into a septum sealed bottle. For more information please refer to our **Dopak® Component Sheet: Needle assemblies**



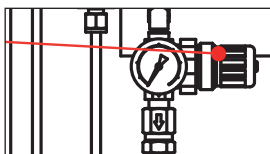
**3. Pressure gauge**

Enables the operator to read off the actual pressure during sampling.



**4. Check Valve**

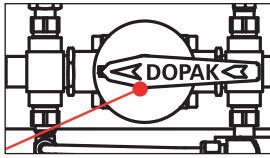
The function of the check valve is to maintain system integrity by preventing back flow. For more information please refer to our **Dopak® Component Sheet: Valves**



**5. Pressure regulator**

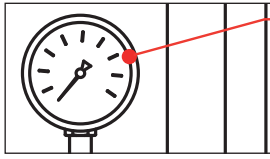
Enables the operator to regulate the pressure during sampling.





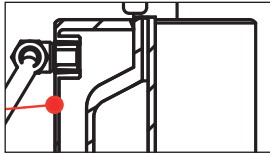
**6. Spring return handle**

Ensures the valve always remains in the safe position when not in use.  
For more information please refer to our **Dopak® Component Sheet: Handles**



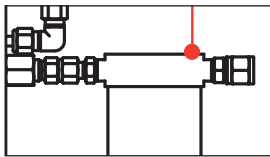
**7. Thermometer**

Enables the operator to read off the actual temperature during sampling.



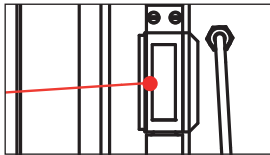
**8. Heating / cooling jacket**

The possibility to equip the sample chamber or sample valve with a heating/cooling jacket. Because the jacket is built around the valve or sample chamber, it is a compact design.



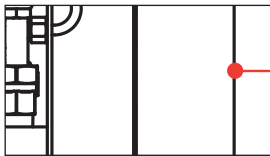
**9. Carbon Canister**

Should a vent line or vent to a safe location not be available, a carbon canister could be a solution. Active carbon is used locally on the vent outlet in this compact canister.



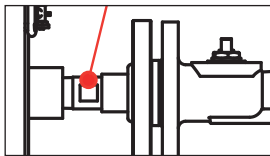
**10. Flow meter**

Enables the operator to read off and regulate the actual flow during sampling.



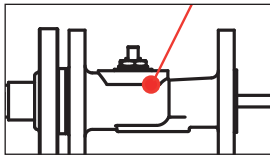
**11. Upstream cooler with temperature indicator and needle valve**

The advantage of an upstream cooler is, opposed to a cooling jacket, that the product will be cooled down before it reaches the sampler. The high cooling capacity allows sampling of relative high temperature product. The needle valve enables the operator to throttle the flow and herewith regulate the temperature.



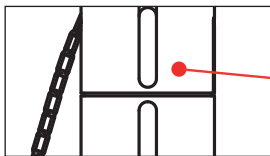
**12. Connection types**

A wide variety of connections of the sampling system are available. From threaded connections to compression fittings or (welded) flanges in different sizes and pressure classes. (threaded M/F NPT, Vessel, Vessel ring, Flanged (long probe), welded)



**13. Block valve**

Additional isolation valves can be included on process inlets and outlet as required.  
For more information please refer to our **Dopak® Component Sheet: Valves**



**14. Bayonet sleeve**

Can be used to support the sample bottle if (for example) sampling temperature is high or sampling time is long  
For more information please refer to our **Dopak® Component Sheet: Sleeves**

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