

PROCHEM

Stainless Steel Specialists

Product solutions for a world of difference

INSTRUMENTATION

DOPAK® SAMPLING SYSTEMS



PIPING PRODUCTS



INSTRUMENTATION



VALVES AND ACTUATORS



MANUFACTURING



INDENT SERVICE



HYDRAULIC



DOPAK® Sampling Systems

DOPAK® Sampling Systems offers closed loop and vent samplers for liquids, gases, liquefied gases and solids.



Benefits

- Safer for the operator
 - Eliminate spills
- Safer for the environment
 - Eliminate spills
- Safer for the sample (representativity)
 - Minimal contamination
- Easy operation
- Low maintenance

Introduction to Sampling

Due to the growing complexity of the industrial processes in general and more specifically for processes in the (petro) chemical and pharmaceutical industries, the need for tests and analyses increases continuously.

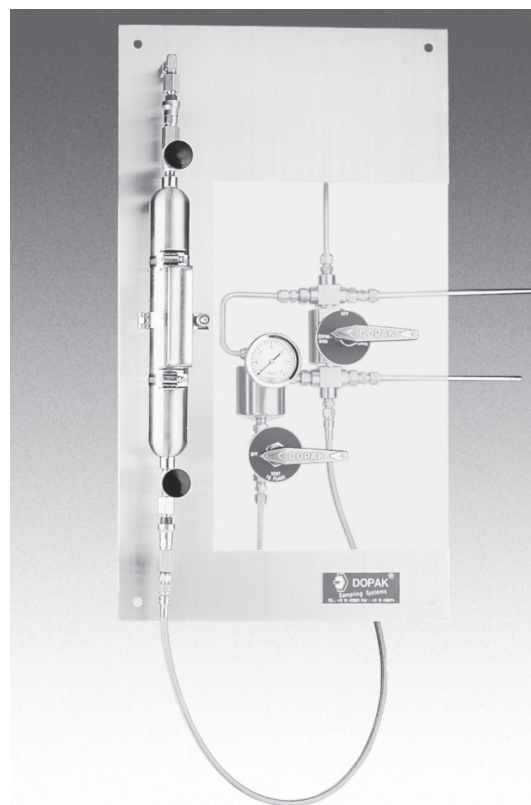
The need for representative samples plays a critical role in ensuring product verification. Yet sampling directly from the process often includes the risk of exposure to the operator, as well as contamination and pollution to the environment. The DOPAK® Sampling Systems reduce such risks with its patented design and simple method of operation.

DOPAK® Sampling Systems

Samplers for liquids, gases, liquefied gases and solids.

The DOPAK® Sampling Systems concept is widely used and accepted among the leaders in the chemical and petrochemical industry. Our track record is easily explained because DOPAK® Sampling Systems solves the problem of taking samples of toxic, dangerous and volatile substances.

With DOPAK® Sampling Systems closed vent samplers for liquids, gas, liquefied gas and solids, the operator is better shielded from contact with the product being sampled and local spillage can be avoided meaning volatile substances are prevented from escape into the atmosphere. Safety in the widest sense is highly improved.



DOPAK® Sample Containers

DOPAK® offers two types of sample containers namely bottles, sealed with cap and septum and cylinders. The type of container used is of influence on the type of sampling system.

Sampling in cylinders

A sample is drawn from the process and arrives at process pressure in the sample container. The container consists of a cylinder at both ends equipped with a needle valve and a quick connect coupling. The cylinder is connected to the sampler.

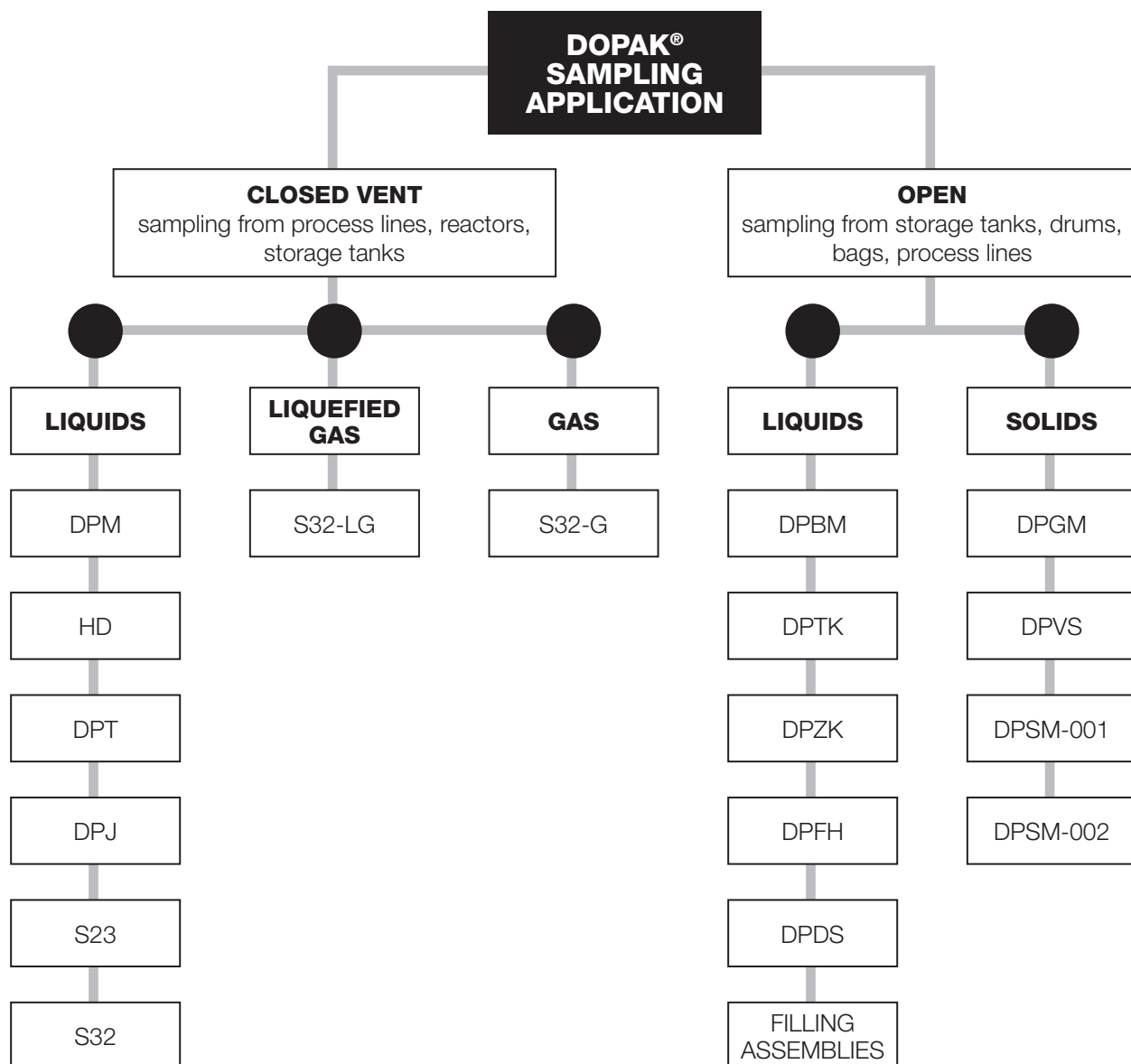
Once in position, the product can flow through the sample cylinder. When sampling liquefied gases, a fixed amount of liquid is transferred to the expansion chamber to ensure partial filling of the cylinder. The operator closes the needle valves on the sample cylinder and allows the quick connect to be depressurised to a vent connection. The cylinder may be then disconnected from the sampler.

Sampling in bottles

A sample is drawn from the process and arrives at atmospheric pressure in the sample container. The container consists of a bottle sealed with cap and septum which is inserted into the sleeve until the septum is pierced by the needles extending from the needle assembly.

Once in position, the product can flow into the sample bottle via the process needle, while air and gases are being vented by the vent needle. When the required amount has been taken, the operator stops the product flow and the bottle is pulled out of the sleeve. The septum reseals automatically.





In applications where a cap and septum cannot be used, DOPAK® offers a seal ring on top of the sleeve, in combination with a filling assembly.





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