



De Dietrich  
PROCESS SYSTEMS

# MULTIPROBE® SAMPLING SYSTEM

De Dietrich offers an innovative Plug & Play system to take representative samples in highly corrosive environments, in optimal security conditions at the heart of the reaction.

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## The easiest way to take a representative sample without opening the manway!

NEW: Dosing function / injection of a reagent or catalyst directly into the reaction medium

### CHARACTERISTICS

Once installed, MultiProbe® is immediately operational without need of further adjustment. Its design facilitates its installation on small reaction units. Its compact over-all dimensions make it possible to be integrated in a congested peripheral environment.

MultiProbe® is able to fully clean the entire sampling circuit with the use of an appropriate solvent.

The ability to take a truly representative sample with no need to depressurize the vessel or lose the inert atmosphere makes this product ideal for chemical and pharmaceutical processes where contamination is usually an issue during sampling.

- Installation on nozzle sizes up to DN300 (12")
- Vessel volumes up to 37,000L (10,000 gallons)
- Functions: sampling, baffle effect, process temperature measurement, pH measurement and dosing / injection

MultiProbe® has two safety features:

- A nitrogen overpressure inside the baffle avoiding any product penetration in case of leakage
- A bottle detection which inhibits all the functions in case the bottle is not in place

### ADVANTAGES

- Representative Samples

The sample is perfectly representative of the product as it is taken in the very heart of the reaction process. It does not undergo any physical or chemical alteration during its transfer to the flask.

Thorough rinsing of the sampling circuit eliminates any risk of cross contamination.

- **Minimized Downtime**

The sampling is quick and representative. It is not necessary to reduce the pressure in the reactor or to open the manhole and therefore no loss of gaseous inerting: the time saved by this system compared to any other sampling system represents a real increase in productivity and quality.

- **Health and Safety Benefits**

Sampling is done without any risks for the operator as he will never be in contact with the product. By keeping the manhole closed, your product is protected from contamination that many come from outside.

- **Process Control**

Sampling can be carried out at any time of the process, under any condition, from full vacuum to high pressure, guaranteeing a permanent control of your reactions.

- **Multipurpose Functionality**

Baffling, temperature measurement, sampling, pH measurement and dosing / injection of a reagent or catalyst directly into the reaction can all be carried out by one device, freeing up spare nozzles for other duties.

- **No Additional Support**

The control cabinet has a compact design and is mounted directly on the baffle without any need of an additional support.

## Questions? We are here to help.

If you'd like to talk with a sales representative about purchasing De Dietrich Process Systems's products and services, you can reach us here.



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