



The HERMetic portable 4 Inch samplers are designed for restricted or closed gas tight large volume sampling of liquids which present a Fire-, Health- or Airpollution Hazard.

The sampler housing is mounted on top of a HERMetic 4" deck valve. Three swing nuts are used to secure sampler chamber. The sample is taken by a vertical move of the bottle inside the tank. The bottle is linked with a graduated tape. A reading window allows monitoring the bottle location. After rewinding the sampling bottle, its content can be transferred into a laboratory bottle through a transfer valve. The opening of the sample bottle valve is realized by lowering the sampling bottle until its sitting on the ball of the valve. A pump can be connected to the winder to accelerate and complete the transfer of the liquids. This transfer from the sampling bottle to a laboratory bottle occurs by gravity or by over pressure of the upper chamber of the sampler.

HERMetic samplers A-4 and GT4

HERMetic portable 4 Inch samplers are designed for restricted or closed gas tight large volume sampling. The closed gas tight type of sampler avoids a pressure release from the tank and exposure to fumes during operation. Both type of samplers can be supplied with specific sampling bottles. 4 different sampling bottles are available to permit different kind of sample: Zone bottle, Spot bottle, Running bottle and Bottom bottle.

- The Zone bottle allows sampling of the upper level inside the tank.
- The Spot bottle allows sampling at a determinate height.
- The running bottle allows sampling all along the displacement of the bottle inside the tank.
- The Bottom bottle allows sampling of the tank bottom.

A pump can be connected to the winder to accelerate and complete the transfer of the fluid. A full bore 4 Inch ball valve has to be permanently installed on each tank to permit connection of HERMetic equipment, like portable level gauge, pressure gauge or sampler depending on the needs of the various customers. All along the sampling process, the system remains tight and the operator is never exposed to the VOCs emissions. This helps to protect the operator and the environment.

The **HERMetic Sampler A-4** is dedicated for applications where restricted sampling is accepted and more than 0.5 litre of liquid is needed.



The **HERMetic Sampler GT4** is dedicated for closed sampling of liquids and where more than 0.5 litre of liquid is needed. Its gas tight construction avoids a pressure release from the tank and exposure to fumes during operation.

* Stainless steel construction on request



The sampler housing is mounted on top of the HERMetic 4 Inch vapour control valve.



ADVANTAGES:

Easy installation on 4" vapour control valve.

Large volume sampling.

The sampling height can be read on the graduated tape.

The sampling bottle can be easily removed by opening the top of the sampler housing.

The sampler can delivered with a zone, spot, running or bottom sampling bottle on request.

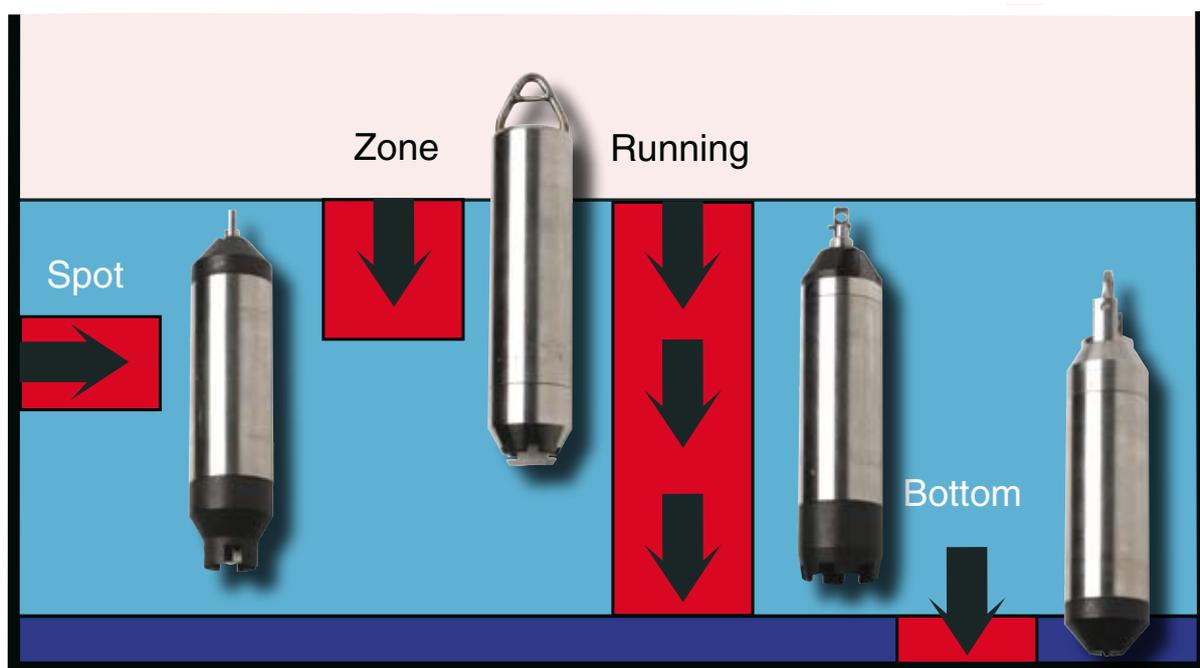
HERMETIC DECK VALVE:

The HERMetric deck valve A-4-2-1 has been specifically designed so that all the equipment produced by Honeywell Tanksystem, with either 1", 2", or 4" connections, will be compatible. Organisations such as the American Petroleum Institute and the Energy Institute, recommend the size of the vapor valve to be 4" (100mm). The 4" valve will allow access to a larger number of gauging and sampling equipment than ever before, depending on the product and sample type required. Vapor valves smaller than 100mm in diameter are suitable for gauging but can severely limit the type of sampling equipment that can be used and, ultimately, the quality of the sample. The size and location of the vapor valve for closed system measurement and sampling is critical to the process. A valve of the proper size, located correctly, will allow more accurate measurements to be taken than one that is improperly located and of insufficient size. The new multi-purpose valve gives the flexibility to gauge products from crude to chemicals. Most importantly, it will allow the use of sampling equipment with the capabilities of retrieving sample quantities ranging from 0.33 litres to 1.8 litres in one single operation.

SAMPLING BOTTLES:

HERMetric 4 Inch samplers are available with different sampling bottles. A selection of zone, spot, bottom or running sampling bottles is available for our 4 Inch type of HERMetric samplers. Portable closed sampler for multi-level and bottom sampling meet the latest API, EI, and U.S. Coast Guard requirements.

Each sampler can be ordered with any type of available bottle. These sampling bottles allow up to 1.8 litre or 1/2 US Gallon sample in one operation.



Spot bottle

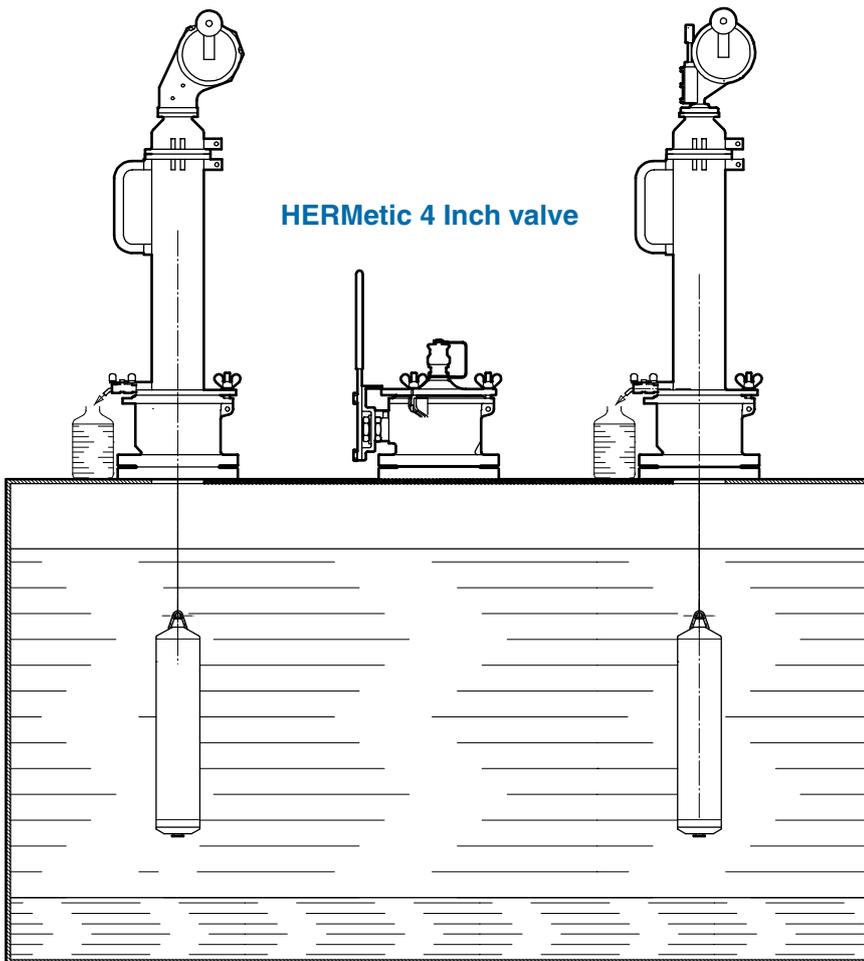
Zone bottle

Running bottle

Bottom bottle

HERMetic Sampler A-4

HERMetic Sampler GT4



TECHNICAL SPECIFICATIONS:

HERMetic Sampler A-4

Maximum tank overpressure : 0,3 bar
Unit height:: 770 mm
Weight : 7.4 kg
Tape length: 30 m / 100 ft
On request: 40 m tape length
Capacity of sampling bottle: Approx. 1.8 l.

Materials: AISI 316, Rilsan coated Aluminium
Hazardous environments approvals
ATEX II 1 G c IIB T6

HERMetic Sampler GT4

0,3 bar
770 mm
8.1 kg
30 m / 100 ft
50 m tape length
Approx. 1.8 l.

II 1 G c IIB T6

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