



The most accurate high pressure fluid sampler on the market

The DynaSamp® compact fluid sampler

- 1 Draws representative samples
- 1 Enables sampling under pressure and full machine operation
- 1 Operator independent, versatile and easy-to-use
- 1 Ensures repeatable samples
- 1 Secure water and air content monitoring
- 1 Injector for biocides or other fluids
- 1 Can be operated with automatic sampling, controlled by the machine load
- 1 Adaptable for multiplex sampling
- 1 Available with aluminium or glass bottles
- 1 3/4" BSP port
- 1 Small footprint compared to full scale version
- 1 Type approved by Lloyd's Register

Representative samples

The DynaSamp® compact fluid sampler is designed to draw representative, in-line fluid samples during machine operation and use. This way, condition based maintenance and wear debris analysis can be performed on a solid data foundation. Traditional sampling points usually require machine shut-down for a sample to be drawn. Other sampling ports have extremely narrow passages, often as small as 10-20 µm. These passages will act as traps for a large portion of the particles in the system and the samples will not reflect the true condition of the system. Therefore, no matter the superiority of the laboratory equipment, the fluid analysis performed will only reflect the condition of the sample itself and not the system. To achieve condition based maintenance based on wear debris analysis, the DynaSamp® fluid sampler is a must-have for any critical lubricated or hydraulic installation.



AL = aluminium bottle
 SS = stainless steel bottle
 G = glass bottle, plastic coated

AL = aluminium
 SS = stainless steel
 V = viton seals
 B = bona N seals

12-AL-CLP-AL-D-B-A

3/4"
 compact low pressure
 model no. glass

D = dual needle w/inner bottle (gas collection)
 DA = dual needle, aluminium bottle
 DS = dual needle, sterilized glass bottle



Safe, repeatable, versatile and easy

The DynaSamp® Compact Sampler has a unique design where a small resistance valve creates turbulence and mixing of particles. A representative cross-section of the fluid flow is directed into the sample bottle. There are no physical restrictions that trap metal or hardened particles, and no big pressure differentials that break soft or microbiological contaminants. Surplus oil is directed back into the flow. By leaving the shut-off valves open for 5-15 minutes during machine operation, a representative sample is ensured.

DynaSamp® Compact Sampler specifications

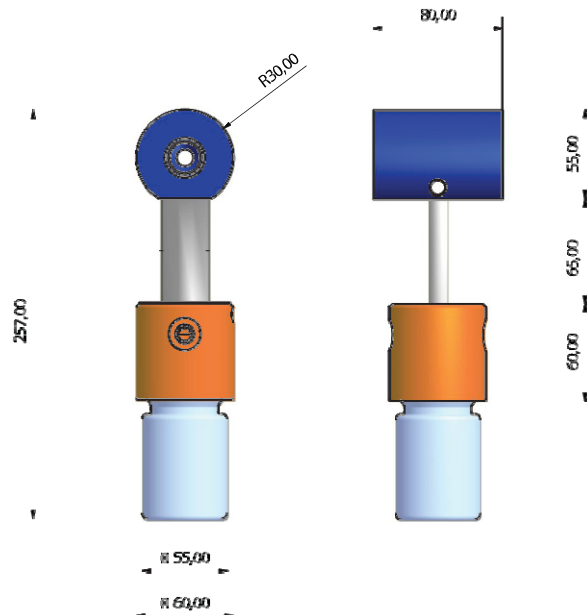
DynaSamp® LP is a one piece design. The connector block is mounted in-line and the sampler unit can be moved from sample point to sample point. The stainless or aluminium bottle model is certified for working pressure up to 20 bar, while the glass or plastic coated bottle is certified up to 5 bar. An intermediate block between the connector and the sampling part will extend the function into a DynaView® online condition monitoring unit.

DynaSamp® Compact Sampler applications

Typical applications include lubrication systems, low pressure circuits, fuel systems. The compact design can be beneficial for all kinds of low pressure small footprint installations.

TOP LEFT: Stainless steel bottles can be delivered with the sampler. Suitable for higher pressure installations, it is certified up to 20 bar working pressure, whilst the glass bottle seen in the front side main picture is certified up to 5 bar.

TOP RIGHT: The DynaSamp® connector is mounted inline and several sample points can be installed in a system. The sampler unit can then be moved between sampling points. The block off plate below is used as protection from contaminants when the sampler unit is not installed.



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