



HLSS separator for process streams

The Hobré Instruments HLSS separator provides a maintenance free solution for highly diverse applications for removal of water, sediment and many other contaminants from process streams like fuel or other hydrocarbons. HLSS Separator will do >99 % of the water removal, including most of the particles, as bypass filter. This results in considerable lower maintenance of secondary filters and equipment.

The separator works by using centrifugal force to separate the particles and water droplets from the hydrocarbon stream. The liquid enters the separator, which is designed to causes the liquid to rotate when it enters the lower section of the separator. Due to the weight difference, the particles and water are removed by the slip stream and returned to process. The remainder of the sample goes to the top of the separator, where a further separation is done in the relative large volume. Water and particles will be removed from the separator by the fast loop return at the bottom of the separator. For a further removal of water, an additional coalescer or Teflon filter is recommended.

Different separator capacities are available for a broad range of commercial, industrial and consumer applications. Units are made from 316SS 4" ID pipe and can take up to 40 barg.

The separator can be used to remove particles and water from fuel samples to process analysers. The filter can be used as fast-loop filter with a continuous fast-loop flow to the standard drain connection. It is also possible to install a manual or automatic drain valve.



Advantages are:

- Delta pressure across the separator is 60-400 mbarg @ flows of 0-5 l/min.
- The filter removes free water from HC streams having a minimum 0,1 SG difference.
- The filter also remove particulates, down to the 3-5 micron range.





AVAILABLE MODELS

Model HLSS-2

Dimensions	:	A= 300 mm, B= Ø 115 mm, C= Ø 170 mm
Inlet & Outlet port	:	½" FNPT
Top & Drain port	:	½" FNPT
Max sample temperature	:	350 °C
Max. working pressure	:	40 barg
Flow rate	:	0 – 5,5 l/min
All materials	:	316 L Stainless steel

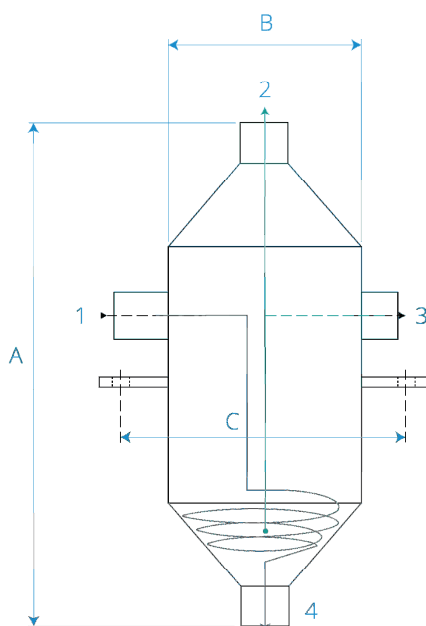
Model HLSS-4

Dimensions	:	A= 320 mm, B= Ø 115 mm, C= Ø 170 mm
Inlet & Outlet port	:	½" FNPT
Top & Drain port	:	½" FNPT
Max sample temperature	:	350 °C
Max. working pressure	:	40 barg
Flow rate	:	0-13 l/min
All materials	:	316 L Stainless steel

Model HLSS-8

Dimensions	:	A= 508 mm, B= Ø 115 mm, C= Ø 170 mm
Inlet & Outlet port	:	¾" FNPT
Top & Drain port	:	¾" FNPT
Max sample temperature	:	350 °C
Max. working pressure	:	40 barg
Flow rate	:	0 – 24 l/min
All materials	:	316 L Stainless steel

All units are shipped without fittings, ball or gate valves, plugs, etc.



- 1 Sample Inlet
 - 2 Vent / Sample Outlet (Primary outlet)
 - 3 Sample Outlet (Secondary outlet)
 - 4 Fast loop Outlet / Drain
- For dimensions A, B and C see above models

25-08-2015 Revision 2

