

The US DH-95 is a lightweight, hand-line suspended-sediment and water-quality sampler designed for versatile field deployment. Unlike its heavier counterpart (D-95), the DH-95 is light enough to be lowered and raised hand-over-hand using a flexible suspension line, yet robust enough for use in stream depths up to 15 feet. It fully complies with the protocols outlined in the USGS National Field Manual for the Collection of Water-Quality Data.

## FEATURES

- Ideal for manual “hand-over-hand” deployment
- Interchangeable components based on depth and flow
- Designed for surface water flows rates ranging from 1.7 to 7.4 ft/sec.
- Made in USA



**DH-95 Sampler Body & Tail Section**

## OPERATION

When the sampler is submerged with the nozzle pointing into the flow, the water-sediment mixture enters through the intake nozzle and flows into the bottle, forcing air to exhaust through the vent hole in the cap. The design ensures a continuous stream filament is discharged into the sample container during the entire duration of submergence, providing a representative depth-integrated sample.

## ORDERING INFORMATION

The US DH-95 includes the sampler body and tail section.

### Required Components (Sold Separately):

- **Caps:** US D-95 Cap™ or US D-77 Cap
- **Nozzles:** 3/16”, 1/4”, or 5/16” (PTFE or Delrin)
- **Bottles:** 1-liter (PTFE or Delrin)



**CALL GEOTECH TODAY**  
**(800) 833-7958**

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email: sales@geotechenv.com website: www.geotechenv.com

Geotech Number	Description	USGS/HIF Number
<b>DH-95 Sampler</b>		
71000071	SAMPLER,SEDIMENT,DH-95,WITH CASE/HANGER	4101014, HIFF
<b>DH-95 Parts</b>		
57500011	HOLDER CAP,NOZZLE,POLY,D77/DH81/D95/DH95	4107034, HIFF
71000028	NOZZLE,DELRIN,3/16",D77/DH81/D95/DH95, 2.0-6.2FT/SE	4107084,HIF,WHITE
71000029	NOZZLE,DELRIN,1/4",D77/DH81/D95/DH95, 1.5-7.6FT/SE	4107085,HIF,WHITE
71000030	NOZZLE,DELRIN,5/16",D77/DH81/D95/DH95,2.0-7.0FT/SE	4107086,HIF,WHITE
71000003	HDPE,SINGLE BOTTLE,1 LITER,D77,DH81	4107020, HIFF
71000002	HOLDER CAP,NOZZLE,PTFE,D95/DH81	4107036, HIFF
71000032	NOZZLE,PTFE,3/16",D77/DH81/D95/DH95,2.0-6.2FT/SEC	4107087,HIF
71000031	NOZZLE,PTFE,1/4",D77/DH81/D95/DH95,1.5-7.6FT/SEC	4107088,HIF
71000020	NOZZLE,PTFE,5/16",D77/DH81/D95/DH95,2.0-7.0FT/SEC	4107089
71000007	BOTTLE,FEP,1 LITER,D95/DH81*	4107021
	LID, PTFE,1-LITER BOTTLE	4107037
71000069	O-RING RETAINER FOR BOTTLE DH-95,D95	4107109
71000039	HANGER,BAR & PIN,D74/DH2/D95/DH95/D96	4107055
71000075	TAIL SECTION (DH-95)	4107115

\*The US-DH-95 cap attaches directly to the 1-L PTFE Bottle

\*\* Not for use in applications that require acid rinsing

Technical Specifications			
Nozzle	3/16"	1/4"	5/16"
<b>Velocity Range</b>	1.7 to 7.4 ft/sec (0.52 to 2.25 m/sec)		
<b>Total Length</b>	22 in (56cm) with bottle and nozzle attached		
<b>Material</b>	Low-lead bronze casting		
Body	High-density polyethylene (HDPE)		
Tail			
<b>Weight</b>	29 lbs. (13 kg)		
<b>Max Recommended Sample Depth</b>	15ft at Sea Level		
<b>Unsampled Zone</b>	< 4.8 in (12.2 cm)		
<b>Hanger Bar and Pin</b>			
<b>Material</b>	Stainless Steel		
<b>Bottles</b>			
<b>Nominal Volume</b>	1 Liter		
<b>Suggested Sample Volume</b>	800mL		
<b>Length   Diameter</b>	7.93" (20.1 cm)   3.85" (9.8 cm)		
<b>Material</b>	HDPE or PTFE		

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