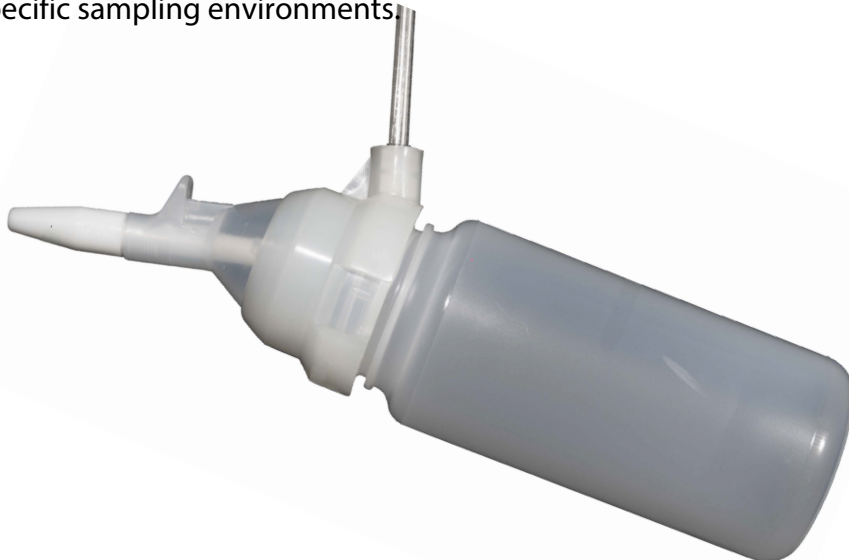


The US DH-81 handheld suspended sediment sampler developed by the Federal Interagency Sedimentation Project (FISP) is specifically designed to collect flow-weighted, depth-integrated water - sediments samples in wadeable streams and rivers. The systems central component is the US DH-81A Adapter, which attaches to a wading rod and supports a variety of caps, nozzles, and sample containers. The modularity allows for a flexible, configurable system that can be tailored to specific sampling environments.

FEATURES

- Variety of materials for various sample criteria
- Designed for surface water flow rates up to 7 ft per second
- Interchangeable components
- Made in USA



OPERATION

When the sampler is submerged with the nozzle pointing into the flow, the water-sediment mixture flows through the nozzle into the bottle, forcing air to exhaust through the air vent hole in the cap. A continuous stream filament is discharged into the sample container during the entire time of submergence.

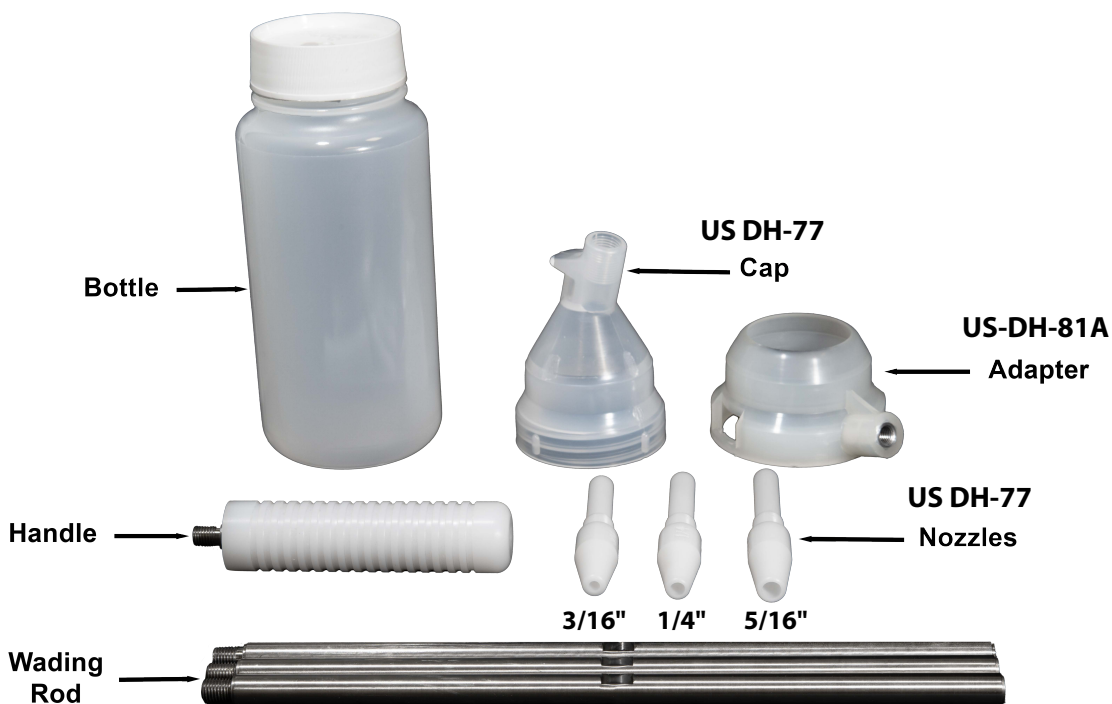


Description	USGS/HIFF Number	Geotech Number
Kit		
US DH-81A Adapter, Handle, Wading Rod, 3 ea 1ft Extension	4101024	71000056
Delrin		
US D-77 Cap, Delrin	4107034	71000011
US D-77 Nozzle, Delrin, 3/16", 2.0-6.2 ft/sec	4107084	71000028
US D-77 Nozzle, Delrin, 1/4", 1.5-7.6 ft/sec	4107085	71000029
US D-77 Nozzle, Delrin, 5/16", 2.0-7.0 ft/sec	4107086	71000030
HDPE 1-Liter Bottle	4107020	71000003
PTFE		
US D-95 Cap, Nozzle, PTFE	4107036	71000002
US D-77 Nozzle, PTFE, 3/16", 2.0-6.2 ft/sec	4107087	71000032
US D-77 Nozzle, PTFE, 1/4", 1.5-7.6 ft/sec	4107088	71000031
US D-77 Nozzle, PTFE, 5/16", 2.0-7.0 ft/sec	4107089	71000020
FEP 1-Liter Bottle	4107021	71000007
Additional Parts		
Adapter US DH-81A	4107002	57500013
Wading Rod Section, SS4 12"	4107125	71000050
Handle, HDPE, Wading Rod, DH-81A	4107130	71000055

CALL GEOTECH TODAY
(800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue Denver, Colorado 80205
(303) 320-4764 FAX (303) 322 7242
email: sales@geotechenv.com website: www.geotechenv.com

Technical Specifications			
Nozzle	3/16"	1/4"	5/16"
Velocity Range	2.0 to 6.2 ft/sec	1.5 to 7.6 ft/sec	2.0 to 7.0 ft/ sec
Total Length	4 3/8"		
Material	Delrin or PTFE		
Wading Rod			
Length	12 "		
Diameter	1/2 "		
Thread Type	3/8-20		
Material	Stainless Steel		
Handle with Grip			
Length	5"		
Diameter	1 1/4"		
Thread Type	3/8 -20		
Material	HDPE		
Bottles			
Nominal volume	1 Liter		
Suggested Sample Volume	800mL		
Length	7.93"		
Diameter	3.85"		
Material	HDPE or FEP		
Max Recommended Sample Depth	4 ft at Sea Level		



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