



Fiberglass Flume Liners

Originally developed by the US Department of Agriculture (USDA) Soil Conservation Service for measuring the runoff from agricultural watersheds and experimental plots, the HS/H/HL series flumes have found applications in industrial effluent monitoring, municipal treatment plants, and storm water runoff.

Accurate measurement of flow ranges of 100:1 or more is provided by the H-Flume (unlike Parshall and Palmer-Bowlus flumes whose useful range is typically 10:1). This ability to provide excellent resolution at low flows while also allowing high upper range flows is unique to the H-Flume.

Optional Features

- Approach sections for stilling and conditioning flows
- Inlet bulkheads for pipeline transition
- Staff gauges in tenths / hundredths of a foot or centimeter increments
- Ultrasonic sensor mounting brackets
- Bubble tubes
- Submerged probe cavities
- Stilling wells (attached, detached, or connection only)
- Sample tube
- Probe mounts
- FRP grating over the flume
- Pieced assembly for portability



Additional Information

The entrance channel carrying the flow into the flume should be of the same dimensions as the flume inlet and should provide for a smooth, straight run length of 3 to 5 times the depth of the flume. FRP approach sections are available from TRACOM and can be combined with inlet bulkheads for connection to sewer pipe.

Three series of H-flumes are offered: HS (small flows), H (average flows), and HL (large flows) – with several sizes available within each series.



Other Advantages Of The H-Flumes Include

- Self-cleaning
- Simple construction
- Ease of installation

