

Rigid 1-Piece Parshall Flumes

- Rigid self-supporting design for metering liquids in open channels.
- Smooth one-piece construction prevents debris build-up and reduces head loss.
- Virtually unlimited life in the measuring of sewage and industrial wastes.
- Dimensions per U.S. Dept. of Interior's *Water Measurement Manual*.
- Our mid-American location can reduce your shipping costs.
- Fast delivery on most sizes.

Kenco Fiberglass Parshall Flumes are made of fiberglass reinforced polyester resins laid up over white isophthalic gel-coat. They are of a rigid 1-piece construction and are especially well suited for measuring liquids containing solids that settle under gravity head conditions. The smooth surface and internal flow lines help reduce faulty measuring that occurs with the accumulation of debris. The integral reinforcing ribs and extruded FRP angles which are bolted to the top flanges aid in maintaining dimensional integrity during shipment and installation. Fiberglass anchor clips are provided to help secure unit in concrete.

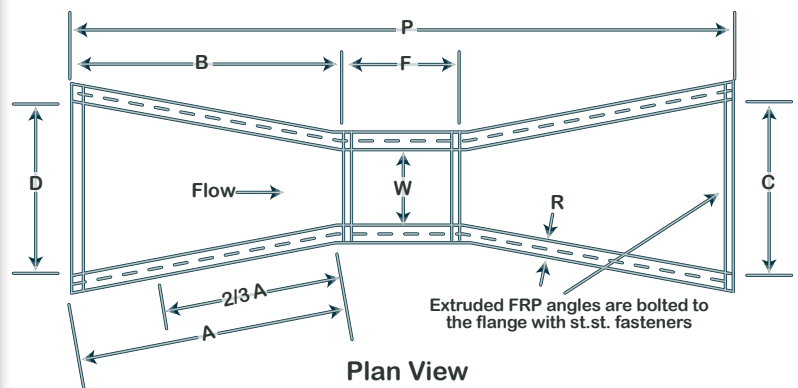
Kenco Flumes are provided with 2 1/2" wide (1 3/4" on 2" flumes) flanges on the bottoms and sides of the approach and discharge ends, and on top.

Optional Equipment Includes:

- Embedded FRP Staff gauges calibrated in feet, tenths and hundredths of a foot or inches and 1/4" increments.
- Stainless steel transducer brackets.
- Attached FRP stilling wells, 6", 8", 10" or 12" ID.
- 1/2" to 4" stilling well and/or sampling connections (fiberglass or stainless steel).
- 1/8", 1/4", 1/2", stainless steel bubbler tubes.
- Cavities in floor and/or sidewalls for customer supplied and installed instrumentation.
- End Adaptors.

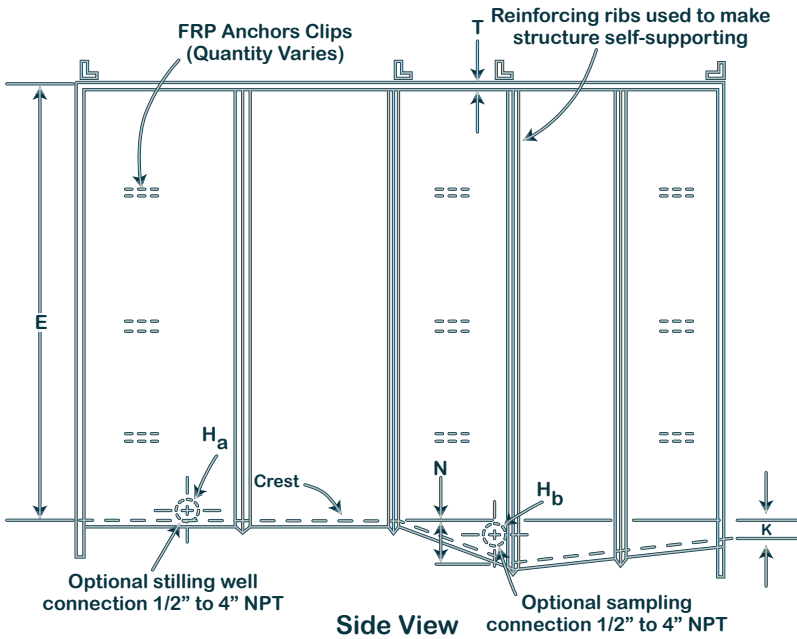
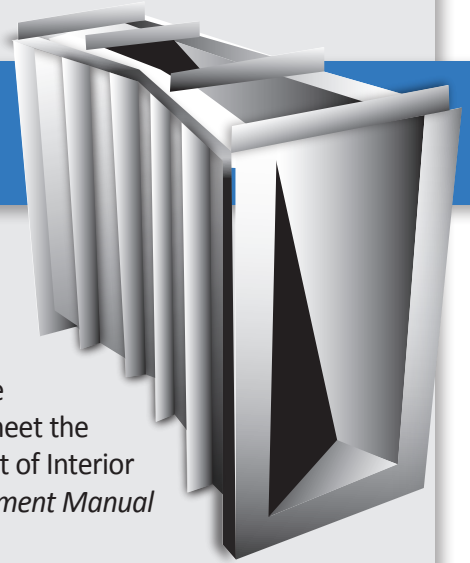
Kenco Flumes can be modified to meet most any need, i.e. without end transition piece, raised and lowered sidewalls, flange extensions, additional wall thickness, etc. Nested flumes are also available.

Made of tough, maintenance-free reinforced fiberglass for virtually unlimited life and top performance.



Weights & Capacities

Throat Width	Weight (pounds)	Shipping Weight (pounds)	Free-Flow Discharge (Max MGD)	Max. GPM	Approx. Max. Head (inches)
2"	35	45	0.23	162	8
3"	45	55	1.20	834	18
6"	65	75	2.52	1754	18
9"	85	100	5.73	3980	24
12"	175	200	10.40	7225	30
18"	185	220	15.89	11040	30
24"	240	300	21.39	14855	30
36"	310	400	32.57	22619	30
48"	420	510	43.88	30473	30



Internal dimensions and flow capacities of the **Kenco** Flumes meet the U.S. Department of Interior *Water Measurement Manual* requirements.

Sample Specifications:

A Molded Fiberglass Flume shall be furnished and installed in the flume channel. The Flume shall be a one piece, self-supporting unit fabricated of fiberglass reinforced polyester resin containing no less than 30% glass fiber. The laminate to be uniformly laid up over white isophthalic gel-coat and be no less than the "T" dimension for stated size. The flow surfaces to be satin smooth and the unit to have a throat width of _____ inches. Flume shall be provided with reinforcing ribs, removable cross bracing (FRP angles) at top and anchor clips molded to exterior surface. Flume shall have 2 1/2" wide (1 3/4" on 2" flumes) flanges all around. Optional equipment to include:

Flume shall be manufactured by **Kenco Plastics Company, Inc.**, Lewisburg, TN.

Ordering Information

When placing an order please specify:

- A. Size of throat width.
- B. Staff gauge calibration increments and location.
- C. Stilling well size and location.
- D. Stilling well or sampling connection size, type and location.
- E. Any other optional equipment; with required dimensions and locations.

Note: Locations are to be specified as left or right hand side looking downstream. (See drawing #KM-0018-B.)

Dimensional Data

W	A	2/3A	B	C	D	E	F	P	K	N	R	T
2"	1'4 5/16"	10 7/8"	1'4"	5 5/16"	8 13/32"	9"	4 1/2"	2'6 1/2"	7/8"	1 11/16"	1 3/4"	3/16"
3"	1'6 3/8"	1'1/4"	1'6"	7"	10 3/16"	2'0"	6"	3'0"	1"	2 1/4"	2 1/2"	3/16"
6"	2'7 1/16"	1'4 5/16"	2'0"	1'3 1/2"	1'3 5/8"	2'0"	1'0"	5'0"	3"	4 1/2"	2 1/2"	3/16"
9"	2'10 5/8"	1'11 1/8"	2'10"	1'3"	1'10 5/8"	2'6"	1'0"	5'4"	3"	4 1/2"	2 1/2"	3/16"
1'0"	4'6"	3'0"	4'4 7/8"	2'0"	2'9 1/4"	3'0"	2'0"	9'4 7/8"	3"	9"	2 1/2"	1/4"
1'6"	4'9"	3'2"	4'7 7/8"	2'6"	3'4 3/8"	3'0"	2'0"	9'7 7/8"	3"	9"	2 1/2"	1/4"
2'0"	5'0"	3'4"	4'10 7/8"	3'0"	3'11 1/2"	3'0"	2'0"	9'10 7/8"	3"	9"	2 1/2"	1/4"
3'0"	5'6"	3'8"	5'4 3/4"	4'0"	5'1 7/8"	3'0"	2'0"	10'4 3/4"	3"	9"	2 1/2"	5/16"
4'0"	6'0"	4'0"	5'10 5/8"	5'0"	6'4 1/4"	3'0"	2'0"	10'10 5/8"	3"	9"	2 1/2"	3/8"

