

Galvanized Steel Ramp Flumes.....



The simplest, most accurate solution to your water metering requirements!

In today's resource conscious world, accurate measurement of water consumption is more important than ever. The Ramp Flume provides an economical way to accurately measure water.

Measurement Accuracy

Extensive testing and evaluation under field and laboratory conditions have shown the EZ Flow Flume has consistently achieved accuracies to within $\pm 3\%$, when properly installed. The increased flow velocity in the throat section discourages sediment accumulation in this important part of the flume. The approach section near the gauge, while somewhat less self-cleaning, is tolerant of considerable sediment accumulation before significantly altering the flume's function. This provides for long periods of time between cleaning and maintenance.

Durable Construction

The EZ Flume is made from high quality galvanized steel for years of trouble free service. They are designed with extremely rigid "flanged" construction throughout and utilize heavy cross bracing. The design allows the installation of the EZ Flume in locations with heavy soil backfill or concrete channels.

Economical

The manufacturing process allows us to keep prices very affordable. Unlike other flumes where you may pay as much for shipping (because of the dimensional size and weight) as for the flume itself, the EZ Flow Ramp Flume is shipped unassembled for lower cost shipping and handling. In fact, most of the smaller sized flumes can be shipped via FedEx or UPS.

Installation

The EZ Flow Ramp Flume is easy to assemble, even in the field. Initial assembly usually takes less than an hour. After installing the flume in the water channel, just assure that the flume is level both end to end and side to side and that the top of the fixed frame is 2 to 5 inches above the high water mark. It is really that easy. Unlike some other flume designs the EZ Flow Ramp Flume does not require site surveying or complicated excavation for proper and accurate installation.



Feel free to contact one of our flume consultants for more information.



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Choosing the Correct Size

Choosing the correct flume size for your application is important. It is suggested that the smallest size flume that will accommodate the correct flow be used. You will find below a listing of the standard sizes available. We can design and manufacture other custom sizes upon request.

EZ Flow Ramp Flume

Cat #	Max Flow Rate cfs.	Length inches	Throat Width Inches	Height Inches	Shipping Weight
NAF 3.5	3.5	47 1/2	12 1/8	14 7/8	62
NAF 7	7	47 1/2	24 1/8	14 7/8	86
NAF 10	10	47 1/2	36 1/8	14 7/8	108
NAF 20	20	80	30 1/8	26	400



Additional Features and Benefits

- Flexible in matching site requirements (being adaptable to earthen or concrete lined channels).
- Quick and easy installation in unlined channels. Sealing against water leakage is easily accomplished with compacted earth.
- Causes very little upstream ponding, usually less than one inch, so it can be used in flatland farming areas.
- Direct reading sidewall gauges eliminate the need to carry rating tables or to calculate flow rates. Gauges can usually be read from a vehicle on the channel bank. A Stilling Well can be added for sensor and data logging instruments.



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