

## H-FLUME GENERAL COMMENTS

The H-Flume was originally designed for use in open channels with a free fall immediately after the flume. The flume should normally have an approach section. Plasti-Fab has designed connecting hardware which allows the H-flumes to receive flow from either open channel or piping systems. The H-flumes have greatly expanded flow ranges and are well suited for watershed management, storm water flows and certain industrial applications. This family of flumes also includes “HS-flumes” with a narrower throat for low flows and “HL-flumes” having a wider throat for very large flows. Not all instrument manufacturers are familiar with these flumes.

### ADVANTAGES

1. The H-flume has the widest flow range capabilities of any flume on the market today.
2. The flume design accelerates flow as it passes through the flume thus making it “self-cleaning”.

### DISADVANTAGES

1. Many consultants are not familiar with H-flumes.
2. The H-flume needs to have a free fall discharge.
3. The HS-flumes may be susceptible to clogging
4. The equations for the full range are complex and not all instrument manufacturers are able to work with these flumes.

### BE AWARE

1. Do not use small HS-flumes or smaller H-Flumes with sanitary waste or solids because it can clog.
2. Entering flow should have a low-velocity and be non-turbulent. However the H-flumes can tolerate some special inlet conditions. Consult the factory if faced with such conditions.