



PARSHALL
FLUMES



PALMER-BOWLUS
FLUMES



TRAPEZOIDAL
FLUMES

FLOW MEASUREMENT PRODUCTS



H-FLUMES



PACKAGED
METERING
MANHOLE



MAG METER
MANHOLE

Over 40 years of excellence in engineering and fabricating composite flow measurement products. Plasti-Fab flow measurement products have a 25 year corrosion warranty.

PLASTI-FAB FLUMES

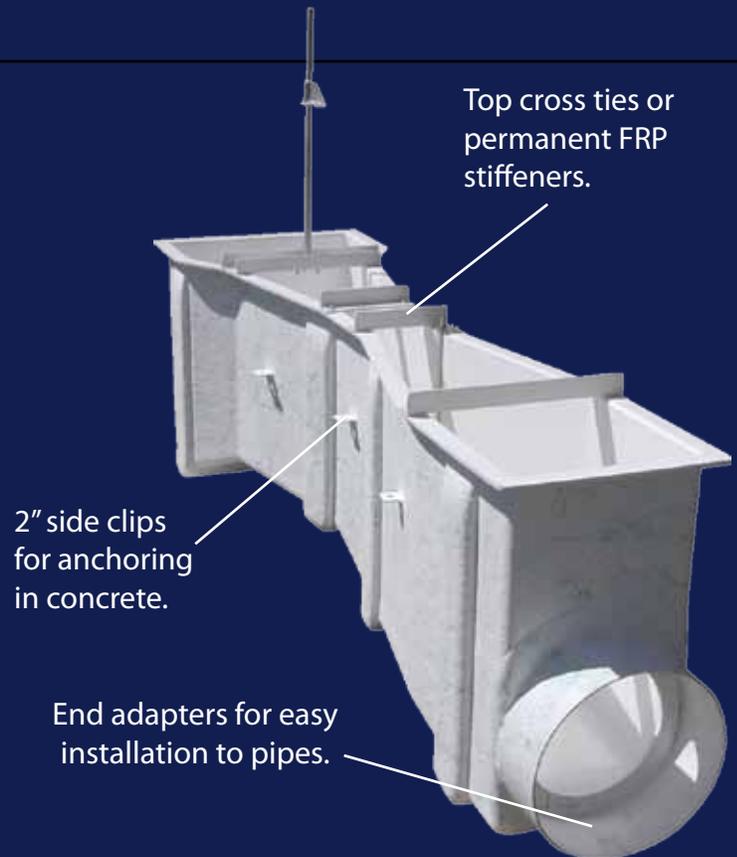
Plasti-Fab was a leader in the flume fabrication revolution that began over forty years ago and has thousands of flumes working in corrosive environments around the world. All Plasti-Fab flumes have precise throat dimensions for accurate flow measurement, and are coated with a premium grade isophthalic gel coat providing a smooth non-porous surface for enhanced flow passage and long-term UV protection. Head gages for visual fluid level checking are standard on all flumes.

PARSHALL FLUMES

Plasti-Fab Parshall Flumes have a wide flow range, providing the ability to capture variable low and peak flow readings in a single flume. The Parshall Flume standard sizes range from 1-inch to 15-foot throats and provide great resolution.



PARSHALL FLUME WITH INLET ADAPTERS TO FIT A ROUND BOTTOM CHANNEL.



PALMER-BOWLUS FLUMES

Plasti-Fab Palmer-Bowlus Flumes have wide throats and short lengths, making them ideal for pipe hookups. Palmer-Bowlus Flumes are economical and easy to install in manholes and pipelines. Palmer-Bowlus flumes range from 4-inch to 6-foot throat sizes and have a high submergence tolerance.



Plasti-Fab is internationally known for experience and expertise in providing solutions for simple to complex issues involving design and installation requirements.

PLASTI-FAB FLUMES

TRAPEZOIDAL FLUMES

Plasti-Fab Trapezoidal Flumes are low profile and provide excellent low-flow resolution. Trapezoidal Flumes offer the ability to provide repeatable accurate measurements in flows down to 1 GPM to meet stringent requirements. The Trapezoidal Flumes are available in eight standard sizes.



Plasti-Fab Trapezoidal Flumes are available in a variety of configurations and have many accessory options.

H-FLUMES

Plasti-Fab H-Flumes can accommodate the widest range of flow and have a high tolerance for velocity. The H-Flumes have a usable range of more than 100:1, making them ideal for applications such as storm water measurement. The H-Flumes standard sizes range from 0.4 to 4.0 feet.



FLUME CUSTOMIZATION

Some standard options for flumes include:

- Inlet and Outlet Adapters
- Wingwalls and Bulkheads
- Pipe Stubs or Caulking Collars
- Slip Flanges
- Neoprene Boots with S/S Bands
- End Walls for Approach
- Bubble Pipes
- Sample Pipes
- Sonic Mounting Brackets
- Stilling Wells
- pH Probe Lift-Out Brackets
- Capacitance Probe Side Cavities
- Pressure Transducer Cavities
- Threaded Taps
- Two Vial Bubble Levels
- Temperature Probes with Lift-Out Brackets
- Nested, Insert, and Staged Flumes
- Magic Bottoms
- Access Boxes
- Tranquilizing Racks

THE PLASTI-FAB LEGACY

Plasti-Fab is a world class manufacturer of composites with over 40 years of experience designing, engineering and building products for fluid management and control. Plasti-Fab products are fabricated from highly corrosion resistant composite fiberglass reinforced plastic (FRP). Recognized around the world as an experienced innovator and provider of quality composite solutions, Plasti-Fab has a wealth of experience and expertise in flow measurement products.

Visit us online at: www.plasti-fab.com

FLOW MEASUREMENT MANHOLES

Plasti-Fab Packaged Metering Manholes (PMMs) are watertight one-piece construction with an integral bottom. They weigh only a fraction of comparable concrete or steel manholes and are extremely resistant to chemicals, saltwater, corrosive soils, ground water and electrolysis. Manhole bottoms are a dual-layer construction to prevent oil canning and provide a flat installation surface.

Packaged Metering Manhole tops may be designed for steel covers to meet H-20 highway loading, or with hinged FRP lids and lockable hasps, or with aluminum hatches for water/gas tight applications, or completely customized. The PMM interior is premium

isophthalic white gel coat that provides a smooth non-porous surface to resist bacteria for a cleaner workspace and to allow for maximum illumination.

All hardware is heavy-duty stainless steel. Anchor tabs are mechanically fastened to the barrel to ensure a secure installation. Pipe stubs are built to match the ID and OD of the mating pipe. Invert elevations can be adjusted to meet the elevation of the pipe in the field. PMMs may be completely customized with a full range of accessories.

Standard options include FRP Ladders, Ladder Lifts, Head Deflectors, Threaded Taps, Shelves, FRP Grating, Pulleys, Vents and Fans.

PACKAGED METERING MANHOLES

The Plasti-Fab Packaged Metering Manhole, an industry first, is an integral solution to underground flow measurement needs. The PMM reduces installation errors and installation time. PMMs are available with any size flume by locating the barrel over the measuring point. The PMM offers contractors, engineers, and municipalities, peace of mind knowing that the professionally installed integral flume provides maximum accuracy of flow measurement in a long lasting, water-tight and sanitary operating environment.

Full Range of Integrated Flumes Available

Manhole Centered over Measuring Point



MAG METERING MANHOLES

The Plasti-Fab Mag Meter Manhole (MMM) is an integrated solution for closed pipe flow measurement needs. The Mag meter is installed within the manhole barrel, providing a clean, dry, leak proof environment. The Plasti-Fab MMM is engineered for high pressure water lines and includes bolting flanges for attachment of the mag meter. Plasti-Fab will factory install customer furnished mag meters.

Mag Meters and other devices may be professionally installed at the factory



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