Fiberglass Flume Liners
Montana flumes are a modified form of the popular Parshall flume. Where the Parshall flume has an hourglass shape (when viewed from above), Montana flumes shorten the flume by removing the throat and discharge sections of the flume – leaving only the constricting approach of the Parshall to produce a differential head related to the flow rate. Due to the lack of a throat and discharge section, Montana flumes can only be used where free, unimpeded discharge occurs at all flow rates.

Typical Montana Flume Applications Include
- Irrigation (water usage and runoff)
- Hydrological studies (springs, streams, rivers and storm water runoff)
- Industrial pretreatment
- Select municipal treatment uses

Advantages Of The Montana Flume Include
- Use the same discharge tables and equations as same sized Parshall flume
- Accurate to +/- 3-5%
- Self-cleaning capacity
- Wide operating range
- Minimal head loss (about ¼ of that of a similarly sized weir)
- Available in standard sizes for flows from 1.4 -275,541 GPM

Optional Features
- Inlet end adapters for pipe or flange connections
- Staff gauges in tenths / hundredths of a foot or centimeter increments
- Flow meter mounts, including:
  - Ultrasonic sensor mounting brackets
  - Bubble tubes
  - Submerged probe cavities
  - Stilling wells (attached, detached, and connection only)
- Parameter sensor mounts, including:
  - Removable sample tubes
  - Probe wells
  - Removable probe holders
- FRP grating and flat plate flume covers

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