BULKHEAD FOR FLUMES

Bulkheads are flat, vertical plates that are chemically bonded (or attached) to the inlet of a HS / H / HL flume approach section or the inlet / outlet of a Palmer-Bowlus flume that provide a surface into which a pipe stub, flange, or caulking collar can be molded to allow the flume to connect to piping.

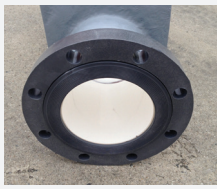
For HS / H / HL flumes, it is usually recommended that an inlet bulkhead be connected to an approach section instead of directly to the flume. By placing an approach section between the bulkhead (with pipe connection) and the flume, the flow is allowed to develop / transition from the round inlet pipe to the rectangular cross-section of the flume.

Permanent style Palmer-Bowlus flumes do not require the addition of an approach section as the U-shape of the flume already conforms well to the cross-section of the round inlet pipe.

For Palmer-Bowlus flumes, bulkheads can be provided for both the inlet and the outlet. For HS / H / HL flumes, the exit geometry of the flume means that a bulkhead can only be provided at the inlet. For these flumes a drop box is used for the outlet transiton to the discharge pipe.

APPLICATIONS

- *HS / H / HL*
- *Palmer-Bowlus*



Cutthroat / Montana / Parshall / Trapezoidal flumes utilize a somewhat different method of connecting to piping - end adapters.

Where bulkheads are flat, vertical plates attached to the end of the flume, end adapters are specially shaped transitions, usually 12 to 24" [30.48 to 60.96 cm] long.