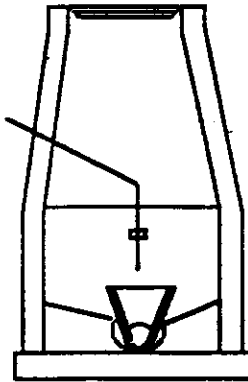


Mount on the centerline of the flume



**Dimensional Data
Manhole Flume**

	4"	6"	8"	10"	12"
Std Flume Length (IN)	17.6	19.37	24.12	28.69	33.49
Std Flume Width (IN)	7.6	9.68	12.82	15.59	18.79
Max Flow (GPM)	90	250	550	1000	1500
Max Head Rise (IN)	5.86	8.94	12.32	15.58	18.00
Min Measurable Flow (GPM)	1	6	10	15	25

General Installation Notes

1.0 The Manhole Flume™ (MHF) must be installed in a first class, workmanlike manner to assure proper performance. The approach conditions must provide flow that is free of "white water" or turbulence that creates surface boils. Fluid velocity should be less than 3.5 fps and have a smooth uniform flow pattern. The approach piping run can be larger than the spud diameter but care must be taken to properly seal and level the flume. Use of a baffla arrangement is recommended to dissipate high velocities.

2.0 Installation of the MHF - Careful leveling is necessary in both the transverse and longitudinal planes, making sure the flume is plumb in order to maintain accuracy. Care should be taken to prevent flow from bypassing the MHF by firmly inserting it into the outlet pipe of the manhole until the spud is tightly secured and then sealed. The flow transmitter is then mounted according to the manufacturer's recommendations. The head rise shall be measured one pipe diameter upstream of the flume.

3.0 Flumes unrestrained, may experience flotation. It is recommended that the flume be secured using the hold down eyelets.

TITLE
**Manhole Flume™
INSTALLATION GUIDE**

**BADGER METER INC.
TULSA, OKLA.**

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