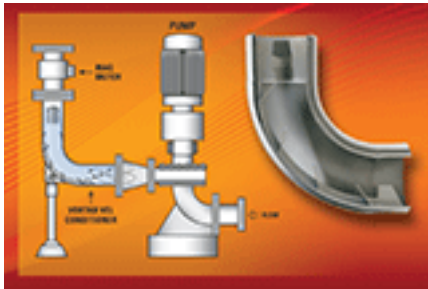


## Water Flow Conditioner



Flow conditioner helps wastewater treatment engineers find room for the recommended straight pipe run needed by electromagnetic flow meters in sewage lift stations. Product removes swirl and asymmetric velocity profiles caused by pumps placed too close to the meter. Electromagnetic and other types of flow metering technologies require a specific amount of straight pipe run upstream and downstream from the installed location of the meter. The straight pipe runs create a swirl-free and symmetric velocity profile in the pipe that can be measured accurately. Product eliminates the flow meter upstream piping requirements by conditioning the flow stream into a flow regime, mimicking adequate straight run. In addition to conditioning the flow stream, the 90-degree angle tab-type conditioner eliminates the pipe cost and technician labor for the 5 to 10 upstream and 3 to 5 downstream pipe diameters required by mag meters. Product isolates the flow irregularities. The product's anti-swirl and inclined vortex generating profile correction tabs, projecting from the inside pipe surface, generate vortices that accelerate these natural pipe effects to create a uniform, symmetrical flow profile in a much shorter section of pipe. The conditioners can be made from carbon steel, 316L stainless steel or Hastelloy C-276. A variety of process connections are also available--ANSI flanges, male NPT threads, butt welded preps or retaining wafers.

**Vortab Company** [www.vortab.com](http://www.vortab.com)

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