



## V-Cone Application Guide

**Industry:** Water/Wastewater

**Process:** Measure the effluent flow from a Water Treatment Plant.

**Application:** Measure the effluent flow in a 4-inch line from a Water Treatment Plant high service pump with extremely limited straight piping available.

**Measurement Challenge/Difficulty:** A pipe length of only 32 inches was available to install a meter from the discharge flange of a booster pump to a pipe reducer. The flow approaching the meter would be extremely turbulent as it left the pump.

**Previous Method:** None. New installation.

**Solution:** A 4-inch V-Cone meter was mounted approximately 4 inches from the discharge flange of the pump. This installation provided the customer with the accuracy and performance they required.

**Date Installed:** December 1994

**System Diagram:** See attached

**Submitted by:** Stephen Gottula • PCI Sales, Inc • Denver, CO

**Additional Comments:** None

**Literature No.**

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**Industry:**

Water

**Niche Market:**

Water Treatment

**Process:**

Water Treatment

**Product:**

Water

**Fluid:**

Wastewater Effluent

**Viscosity & Sp.G:**

**Flow Rate:**

**Pressure:**

**Temperature:**

**Size:**

4 inch

**Date:**

December 1994

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Stephen Gottula  
PCI Sales, Inc.  
Denver, CO