



## APPLICATION STORIES

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### **APPLICATION:** WASTE WATER

Vishay Measurements Group uses a Wilden 1" Air Operated Double Diaphragm pump to pull the plants processed waste water out of a pit and pump it over to the waste water plant to be processed.

### **PROBLEM:**

The reciprocating action of the pump caused pulsation in the PVC discharge pipe which caused the system to vibrate. The continuous shaking of the PVC pipe caused joints to break apart and stress caused cracking in the discharge pipe.

### **SOLUTION:**

A BLACOH SENTRY II Plastic Flat Top pulsation dampener was installed on the discharge line after the Wilden air operated double diaphragm pump. The BLACOH dampener acts as a shock absorber as the air charge in the dampener alternately compresses and expands as the pump pulses. This eliminated the vibration and pulsation through the PVC line.

### **RESULT:**

Since the SENTRY II Plastic Flat Top pulsation dampener has been installed, everything is running well, no leaks have been found and no down time has been reported.

### **SUBMITTED BY:**

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