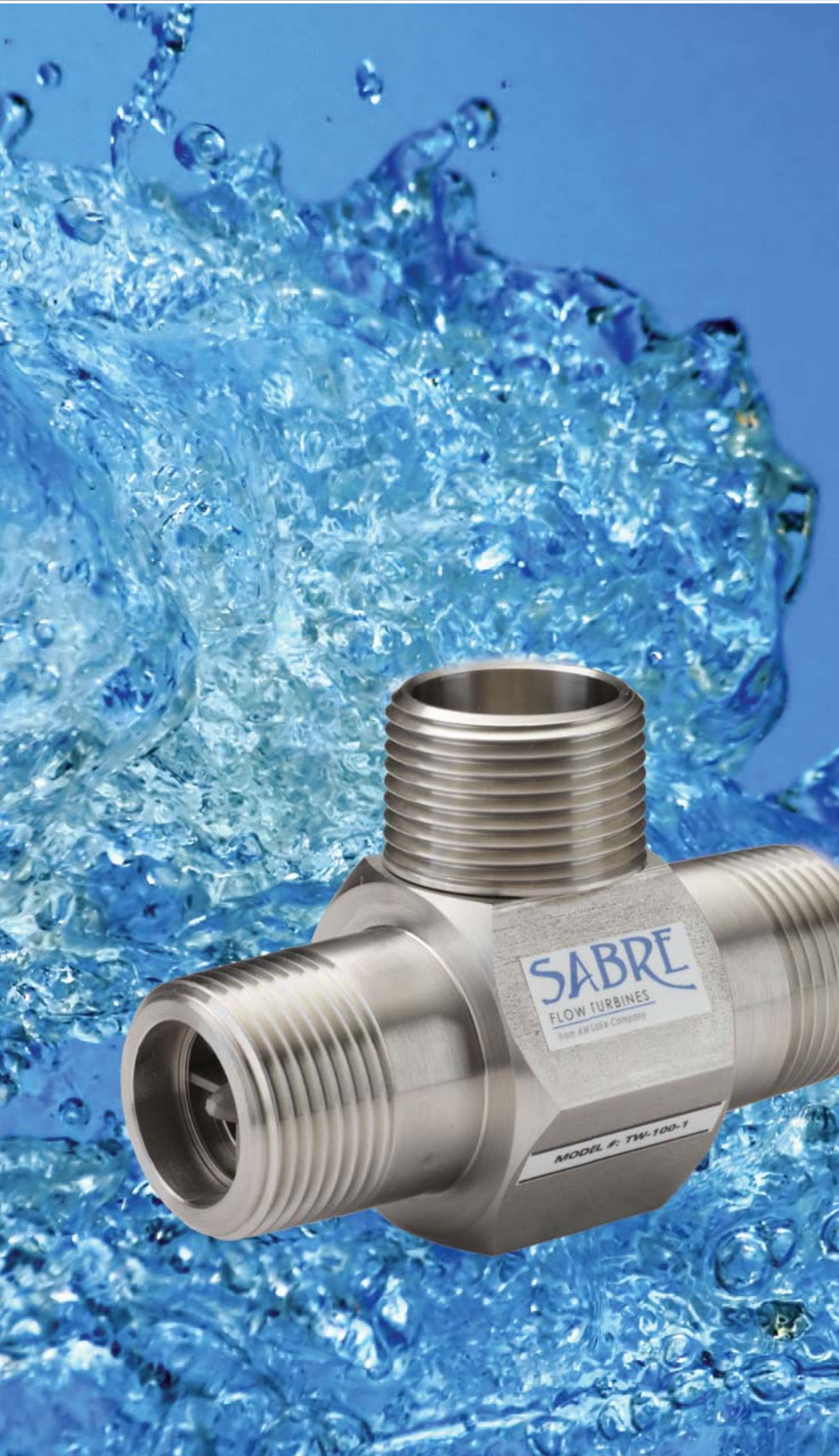


# SABRE

FLOW TURBINES

*from AW-Lake Company*



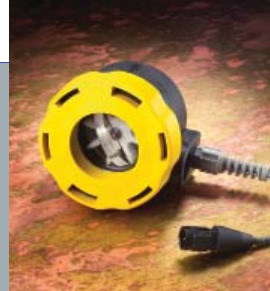
**PRECISION, HIGH PERFORMANCE TURBINE FLOW METERS & ELECTRONICS**

# SABRE

FLOW TURBINES  
from AW-Lake Company

## About SABRE Flow Turbines:

At SABRE Flow Turbines, we manufacture high performance, precision turbine flow meters and electronics, crafted on state of the art machining centers and wet tested on our flow calibrator to ensure accuracy and repeatability. Backed by more than 50 years of experience in turbine flow meters, SABRE continually serves global customers in oil & gas, petrochemical, semiconductor, food & beverage, pharmaceutical, and process control.



## COMPATIBLE ELECTRONICS

We offer a complete line of compatible electronics, including local meter-mounted and remote displays, explosion-proof displays, closed loop controllers and batch controllers.

**RT-Ex15:** 24 VDC powered local display

**RT-EX10:** battery powered local display

**FEM-03:** remote wall-mount display

**LLC Series:** batch controller

**TM-4:** battery powered local display

**TM-5:** battery powered local display w/  
4-20 mA output

**TM-8:** available summer 2010



## STANDARD TURBINE FLOW METER (TRG SERIES)

The SABRE TRG series is the workhorse of turbine flow meters. Its rugged stainless steel body construction and vast range of sizes makes this turbine ideal for many applications and is suitable for water, solvents, and other lower viscosity fluids, such as antifreeze and fuel measurement.

**Flow Ranges:** .08 - 5,000 GPM  
**Working Pressure:** up to 5,000 PSI  
**Accuracy:**  $\pm 1\%$  of reading  
**Repeatability:**  $\pm 0.1\%$   
**Connections:** NPT

## BASIC TURBINE FLOW METER (TW SERIES)

Economics and fine-tuned engineering meet in the TW series turbine meter. Specifically designed for the energy / oil & gas market, this meter surpasses the competition in accuracy and simplified maintenance. With close attention paid to the design of the internals, the TW meter consistently maintains high accuracies and is ideal for water, light oils, solvents, chemicals and fuels.

**Flow Ranges:** 5 - 400 GPM  
**Working Pressure:** up to 5,000 PSI  
**Accuracy:**  $\pm 1\%$  of reading  
**Repeatability:**  $\pm 0.1\%$   
**Connections:** NPT

## HIGH PRESSURE TURBINE FLOW METER (HM SERIES)

When measuring the flow of fluids under high pressures, such as in hydraulic testing, the SABRE HM series fits the bill. Also perfect for chemical injection systems, the HM meter withstands pressures up to 15,000 psi and is available in seven different flow ranges, from .08 GPM to 16 GPM.

**Flow Ranges:** .08 - 16 GPM  
**Working Pressure:** up to 15,000 PSI  
**Accuracy:**  $\pm 0.5\%$  of reading  
**Repeatability:**  $\pm 0.1\%$   
**Connections:** AutoClave®

## FLANGED TURBINE FLOW METER (HM...F SERIES)

The well respected HM series turbine flow meters are also available in flanged versions for those applications where ease of installation and removal are a priority. The HM...F meter is available in ANSI and tri-clamp flange connections, depending on your preference or pressure requirements.

**Flow Ranges:** .008 - 12,000 GPM  
**Working Pressure:** up to 15,000 PSI  
**Accuracy:**  $\pm 0.5\%$  of reading  
**Repeatability:**  $\pm 0.1\%$   
**Connections:** ANSI & tri-clamp flanges (AutoClave®, Galoc®, and Techlok®)

## SANITARY TURBINE FLOW METER (TA3 SERIES)

Food and beverage processing plants require specialized standards that are different than many other industries, and the TA3 series sanitary turbine meter meets the challenge. Used in plants around the world, the TA3 turbine has proved itself in industries including dairy, brewing, wine production and pharmaceuticals.

**Flow Ranges:** 0.6 - 400 GPM  
**Working Pressure:** up to 1,000 PSI  
**Accuracy:**  $\pm 0.5\%$  of reading  
**Repeatability:**  $\pm 0.1\%$   
**Connections:** Nema 6

## PADDLE WHEEL FLOW METER (KW SERIES)

Perfect monitoring solution for chillers/cooling circuits, HVAC, medical equipment and industrial process control applications, this flow meter is available in stainless steel or a durable polypropylene body for cost savings and compatibility with a variety of fluids.

**Flow Ranges:** 0.5 - 50 GPM  
**Working Pressure:** up to 500 PSI  
**Accuracy:**  $\pm 2\%$  of reading  
**Repeatability:**  $\pm 0.5\%$   
**Connections:** NPT





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