

# WEF Pavilion hosts exhibitors in Mexico City

The WEF Pavilion Program will host companies at Aquatech Mexico, held on September 3-5 in Mexico City. Two of the companies are featured below.



**Proco Products, Inc.** is the world's largest and most respected supplier of expansion joints and rubber duckbill check valves. Its latest contribution to the industry is the Series 700 ProFlex® check valve. Benefits of the ProFlex valve are greatly reduced operational costs, prevention from animals or insects lodging or disturbing the flow of liquids from outfall pipes, and easy opening, which prevents flooding commonly associated with defective swing or flap-type valves.

Manufactured with top-quality

fungicide and barnacle-resistant rubber, the 700 check valves are also available with NSF61-certified elastomers. They are also a zero-maintenance valve with a simple design that allows media to force the two opposing rubber lips apart to permit flow and then close quickly, preventing the return of effluent or slurries. The ProFlex 700 valves provide full port flow while having a 100-percent bubble tight seal on return flow/back pressure.

Check out Proco Products' newest Low Slope 711/731 Series valve, with the industry's lowest head pressure to open that still ensures a virtually full port design. This new patent-pending valve offers assurance of a fully drained

pipe with its very low sloping design. The company is based in Stockton, California, United States.



**AdEdge Water Technologies** provides customized treatment solutions for municipal and industrial water and wastewater treatment applications, such as food and beverage, power generation, and others. Also, the company provides

a variety of services including municipal water treatment, biological filtration, nitrate reduction, and arsenic removal.

With more than 600 successful installations in the last 10 years, AdEdge is one of the fastest growing companies in the water treatment industry. In the last two years, the company has implemented more than a dozen systems rated 1,000+ gallons per minute. AdEdge has been awarded and implemented 12 full-scale US Environment Protection Agency arsenic demonstration projects. More than 70 percent of the company's new business is generated from referrals. The company is based in Duluth, Georgia, United States.

## Technology Update

### Ultrasonic meter helps optimize dosing

Markland Specialty Engineering Ltd.'s non-intrusive ultrasonic provides real-time continuous suspended solids (SS) readings (percentages) of sludge/silt/RAS concentrations in pipes, tanks and clarifiers, and automates sludge removal. The meter allows users to program underflow pumps to

shut off before bio-solids or feed-solids density becomes too thin, and also helps in optimizing dosing and equipment variables for enhanced de-watering, according to the company, based in Georgetown, Ontario, Canada.

Readings are unaffected by the color of particulates or fluid. The sensor sends out a pulse of sound and, when the solution is clear, receives a strong echo and reads zero. With particles present, the echo amplitude is reduced, and the meter measures the percentage of suspended solids. Markland says the process control instrument is simple to install, calibrate, and clean. A throw-in style probe is also available.



### HT thrust bearing improves motor performance

CAPRARI's newly patented HT-High Thrust Bearing has increased significantly the performance of the company's MAC series of submersible motors. The bearing features margins of tolerance that make the device extremely reliable in all conditions of use, according to the company, based in Modena, Italy.

The HT-High Thrust Bearing is present in MAC6 submersible motors as well as in the MAC8 and MAC10 larger-sized motors, both manufactured in cast iron and stainless steel. Caprari says the

exclusive patent design improves its durability and axial load resistance. Its performance provides the motor with a structural oversizing with respect to the actual thrust that the wet end generates, even during operation transients. To achieve this result, the cage, supports and skirts have been completely redesigned. With the same dimensions, the HT thrust bearing withstands at least 3 times the load of a traditional Mitchell bearing.

CAPRARI provides solutions for a wide variety of water infrastructure, including collection from deep wells, wastewater, and drain water lifting; water supply and distribution for residential, industrial and agricultural purposes; and various water treatment applications.