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MeasurIT Technologies Ltd. are pleased to introduce you to our June technical product update.

Yours sincerely,
Zoe Williams, zoe@measurIT.com

Duckbill valves - advantage!
Tideflex Check Valves

The [Tideflex Check Valve](#) was invented in the 1970's and has proven to be completely passive check valve that requires no maintenance.



While the valve looks simple from the exterior, it has required and undergone an unprecedented amount of research & development, prototyping, finite element analysis, in-house testing, independent hydraulic testing, and field study.

EPA Grant to Develop Tideflex

The USEPA issued a grant to research and develop an all-rubber "duckbill" check valve to overcome problems associated with conventional/mechanical flap gate valves. As a result the [Tideflex](#) became the first reliable check valve that does not require maintenance.



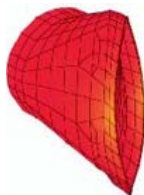
Independent Hydraulic Testing

Valves were tested for free discharge, submerged, and partially submerged conditions. With the extensive amount of test data, modeling programs used to provide hydraulic [characteristic curves](#) for all [Tideflex Valves](#) were developed.



Finite Element Analysis (FEA)

FEA has been conducted to analyze the deflection, stress and strain characteristics of [Tideflex](#) under various loading conditions. The results have been used to develop fabrication protocols for the construction of each Tideflex that provided enough reinforcement to withstand all of the loads while minimizing stiffness to reduce headloss.

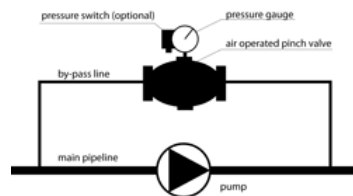


Read more about

Pump Protection - Pressure Relief

Tough times? Economic problems mean plants need to run more efficiently, so **protect your pumps and motors from damage!**

Our **pressure relief system** consists of a valve in combination with a pressure gauge. If the pump becomes blocked, the valve opens automatically which provides a pressure relief allowing the sewage to bypass the pump until the blockage is cleared. Then the valve automatically resets itself in its closed position. **Perfect for the remote locations!** [Read more..](#)



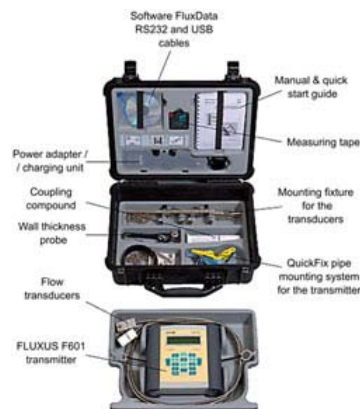
Flowmeter DEMO Service

"We will be reviewing our existing measuring equipment. Thanks again for the demonstration, it is an impressive piece of equipment."

Pharmaceutical Company Engineering Manager

You'd like to buy a [liquid flowmeter](#), but have not had any experience with ultrasonic flowmeters? Or simply you would like to see the instrument working?

We offer a demo service that allows you to do just that. [read more..](#)



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