

Backflow Protection for Surface Water Reservoir Waterflex® Check Valve



An 2130 mm **Waterflex® Check Valve**, was recently installed in an 24m high intake structure at an 1,100 acre reservoir.

The 5.7 million m3 above ground reservoir will collect surface water that will be treated and distributed as drinking water when needed.

When the rivers are high, water will be pumped through the intake structure and the **Waterflex® Check Valve** will open to fill the reservoir. When incoming flow stops, the **Waterflex® Check Valve** will close to prevent water

from flowing out of the reservoir through the 12 km of 2130 mm intake pipe.

The **Waterflex® Check Valve** features a wafer design that offers low headloss in high pressure potable water applications.

It operates solely on line pressure and backpressure, no outside energy source is required. Forward hydraulic pressure folds the engineered elastomer disk away from the perforated plate to allow flow. Reverse pressure seals the elastomer disk against the perforated plate to prevent backflow.



The **Waterflex** provides long service life since there are no moving parts that require maintenance or repair. The **Waterflex® Check Valve** is available in sizes through 2440 mm diameter.

Find our more details about
Waterflex® Check Valve
at www.measurIT.com



Portable Water Flow Meter

Fluxus F601 is an ideal tool for service work and quick control ultrasonic measurements. Its clamp-on flow transducers are simply mounted onto the pipe from the outside and are thus quickly installed, without process interruption and without production stop.

[read more about Flow Meters for Liquids](#)



Tideflex Check Valve



[Read more about Tideflex Check Valves](#)
at www.measurIT.com

OUR PRODUCTS

Valves:

Water Control Valves - **SINGER**
Pinch Valves (manual, air-operated)
All-rubber Check Valves - **TIDEFLEX**
Tideflex Mixing Systems
Tideflex Effluent Diffusers
new items Check Valves - **WATERFLEX**
Flow Regulators
Rubber Expansion Joints

Sensors:

Oil Spill Detectors - **OilSpy**
Flow Conditioners - **VORTAB**
Flow Meters - **FCI** Thermal Dispersion
new items Flow Meters - **FLEXIM** Ultrasonic
Flow Meters - **ACCELABAR** Differential Pressure
Flow Switches
Pressure & Temp. Switches
Pressure Sensors
Level Gauges & Transmitters
pH Sensors
Suspended Solids & Turbidity Sensors
Humidity & Lux Monitoring