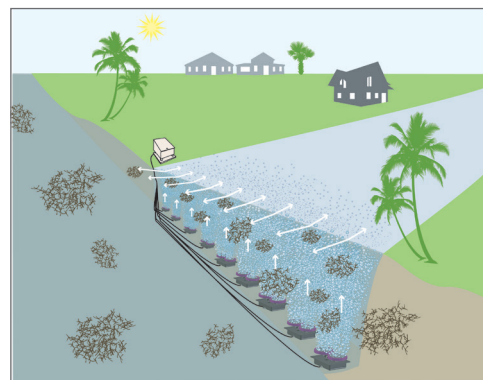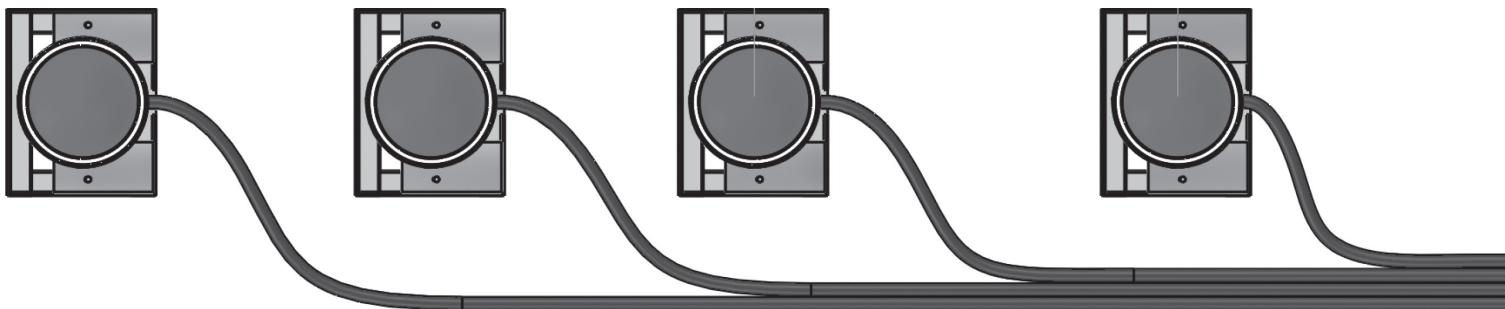EARTH FRIENDLY • EARTH FRIENDLY •

Wind and water currents drive floating weeds and debris into canals and marinas where they become trapped. As plants decompose the oxygen levels go down leading to low water clarity, stressed fish and wildlife, bad odors and increased muck.

Vertex AirGate Bubble Curtains are designed to provide a simple, effective and environmentally safe solution to prevent wind driven debris from entering canals, marinas and docks. Using air supplied by a shore mounted air compressor, adjustable emitters along the channel bottom create a barrier of bubbles that push back surface weeds while allowing boats and wildlife to easily and safely pass.

Features and Benefits

- Commercial grade compressors for extended service intervals
- Cabinets built for marine environments
- Flexible EPDM membrane bubble emitters
- Easy shoreline adjustment of each bubble emitter
- Uniform bubble pattern regardless of length, depth or slope
- Allows boats to pass unobstructed

- Safe for recreational activities, wildlife and fisheries
- Weed choked areas recover water quality
- Easy, non-technical equipment installation and maintenance
- Submersed materials are durable
- Free custom design or proper airflow and long term operation
- Self install or installation services available

Marine Wind Monitor

An accurate and reliable wind sensor specifically designed for the rigors of the marine environment.

The wind speed sensor is a four blade helicoid propeller with a unique transducer that produces a pulse signal without electrical contacts or slip rings. The durable molded vane angle is sensed by a precision potentiometer housed in a sealed chamber. All materials are carefully selected for corrosion resistance and maximum durability in the harsh marine environment. Stainless steel bearings and a special waterproof lubricant further enhances reliability. The instrument mounts on standard 1 inch pipe.

RANGE
* Wind speed: 0-224 mph
* Azimuth: 360° mechanical

ACCURACY
* Wind speed: ± 0.6 mph or 1% of reading
* Wind direction: ± 3 degrees

THRESHOLD*
* Propeller: 2.4 mph
* Vane: 2.4 mph

POWER REQUIREMENT
* 15 VDC maximum

SENSOR CABLE
* A 9.8 ft. pigtail cable is supplied for electrical connections.
* For longer cable lengths a user supplied junction box or connector may be used

Wind Tracker

Wind speed and wind direction indicator offers big performance in a compact display

Wind speed and maximum speed is displayed in your choice of units: KNOTS, MPH, KM/H, M/S. Wind direction information is clearly displayed on a circular compass pattern of LEDs. Multicolored segments give a quick visual indication of current direction and variability. Front panel brightness control allows adjustment for best viewing in any light. A variety of inputs and outputs including 4-20 mA, Serial (RS-485), and Voltage and alarms for wind speed and direction are standard on the Wind Tracker. Easy mounting on vertical bulkheads or wall surfaces.

WIND SPEED RANGE
* 0-100 MPH
* 0-50 M/S
* 0-200 KM/H
* 0-100 KNOTS

WIND DIRECTION RANGE
* 0-360 degrees

VOLTAGE OUTPUTS
* 0-5 VDC Full Scale for WS & WD
* Power Requirement: 12-30 VDC, 4.5W

DIMENSIONS
* 5.65 in x 5.65 in x 1.4 in