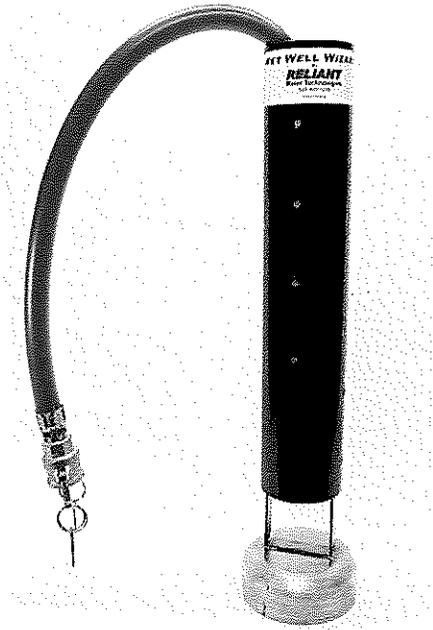


WET WELL WIZARD™

The Remedy for Collection System Problems



- **Dissolves FOG within hours**
- **Eliminates odor completely**
- **Eliminates the septicity of H₂S in the wet well and downstream**
- **Transforms the microbial population in the wet well to a completely aerobic population**
- **Improves the water quality of the collection system to the point of pre-processing the water, which can improve wastewater plant operations**

The *WIZARD*

The **WET WELL WIZARD™** is the only 'one-size-fits-all' wet well FOG elimination system that has no moving parts, is completely non-corrosive, is simple to install, requires no lifting chains, and utilizes no electricity underwater. It can be installed in 30 minutes and requires almost no maintenance. This patented technology consists of a unique set of antipodal bubble cleaving disks inside a confined tube that cuts and shapes large air bubbles into high speed, spinning "FOG cutters." For large wet wells (over 8' in diameter) multiple Wizards operate with the use of a single air generation source. The only maintenance is cleaning an air filter occasionally.

The **WET WELL WIZARD™** is designed in such a manner that it will not cause air entrainment in pumps and it will not become clogged with floating well debris. The air source is an industrial grade regenerative blower that can be supplied with stainless steel components if desired, as well as a weather cover or locking/silencing enclosure, although total blower noise level is rated at only 68dB to 75dB depending on blower HP.

Why the **WET WELL WIZARD**?

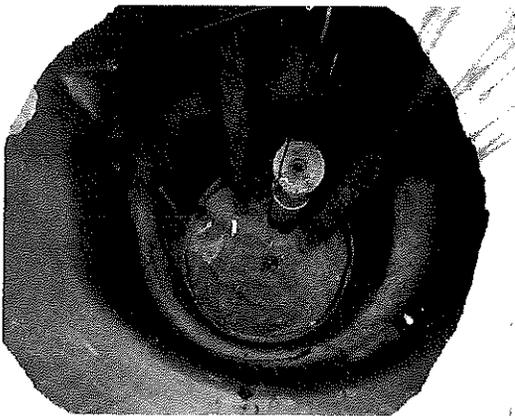
Collection systems containing lift stations all have the same problems –

- The buildup of FOG (fats, oils and grease)
- Odor – both in the lift stations and down-line
- Increased pump maintenance due to short cycling and clogging
- Septicity in the collection system causing H₂S gas corrosion
- Costly cleaning and maintenance – often reoccurring vacuum disposal and/or chemical use

The Reliant Water **WET WELL WIZARD** is the answer to all of these problems. So, why is it so effective –

1. The injection of a continuous flow of cleaved bubbles into the wet well water, breaks up and liquefies FOG and other viscous semi-solids. Solid non-dissolvable waste items will be freed of their FOG coatings for easy dip screen collection and disposal.
2. All microbial activity in the wet well becomes aerobic, so bio-degradation of organic matter, and odors, is continuous. **Odor-masking chemicals are no longer required.**
3. When FOG and trash buildup becomes thick in the wet well, float switches have a tendency to lie on top of, or get trapped below, the FOG and debris. This allows the waste to collect closer to pump intakes and cause premature damage to the pumps. Short cycling and premature pump failure is also common under these conditions.
4. Without oxygen in wet wells, the formation and buildup of H₂S is constant and the corrosive gas is pumped downstream to cause odors and corrosion to cement and steel components of the entire collection system.
5. Collection system crews no longer have to spend hours in lift stations cleaning FOG and debris. A simple screen scoop for small floating debris is all that is necessary.

Visual Proof of the **WET WELL WIZARD'S** Capability



A 5' diameter wet well with a 2.5 foot thick FOG cap. Note the float switch lying on top – causing pump short-cycling



The same wet well 24 hours later.

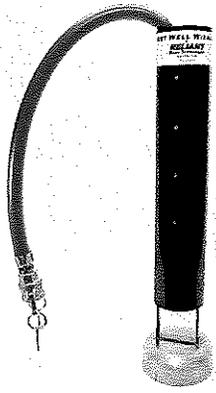


Same wet well just 10 minutes following the start-up of the **WET WELL WIZARD**. Note that the float switch has already repositioned itself.



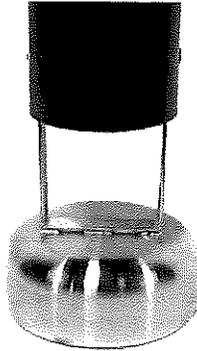
The **WET WELL WIZARD** is Customer Installable

Standard Components are -



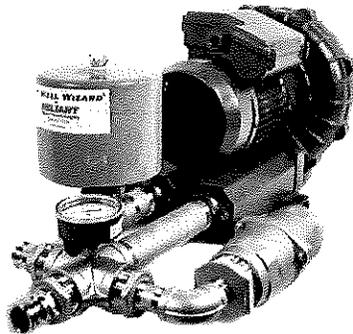
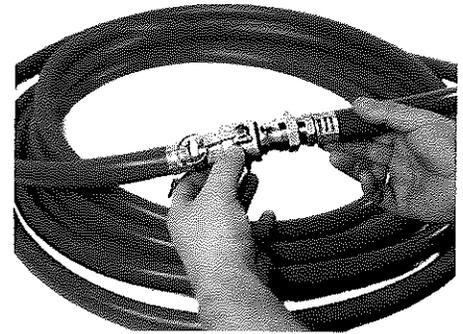
The Wiz with HDPE body and internal bubble cleavers

10 pound stainless steel base and support



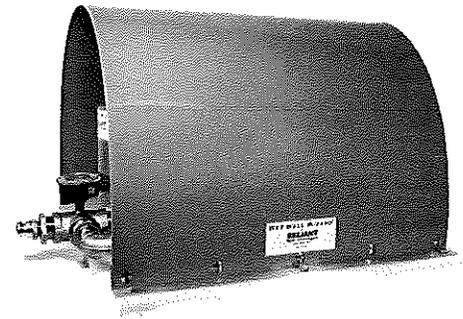
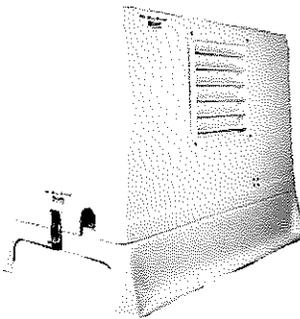
Nylon reinforced EPDM/EPDM air hose w/ Cam Loc connections

Brass and stainless steel Cam Loc hose connections



Blower with overpressure protection

Locking/Silencing Blower Cover



HDPE Blower Weather Cover

Options Available

- HDPE non-corrosive blower cover
- Locking fiberglass full cover for noise reduction and/or long term freezing applications
- IP65 blower motor protection
- Stainless steel intake filter hood and filter element with stainless steel painted filter platform
- For wet wells larger than 8' diameter use multiple Wizards with a multiple hose manifold on the blower
- Blowers up to 10HP for large wet wells

Specifications

Wiz body – 3" (76mm) dia HDPE tube

Cleavers – ¼" (6.35mm) HDPE

Hardware & base – 316L stainless steel

Hose – Nylon reinforced EPDM/EPDM high pressure hose

Blower – 1.5 HP (1.1 kW) to 10HP (7.5kW); two stage, low volume, high pressure regenerative blower; any desired voltage, phase, and Hz; includes pressure relief valve, inches of water gauge and complete intake filter system. Sound level at 68dB to 76dB total.

Supplied Standard for a Single Wiz Installation (for <80sqft wet wells)

- 1 Wizard complete with stainless steel stand and base and hardware.
35 feet of reinforced EPDM/EPDM air hose with stainless steel and brass connection hardware.
- 1 1.5HP regenerative blower to meet your required source power, including pressure relief valve, inches of water gauge and complete intake filter system. Includes all necessary hardware for operation.
- 1 Installation manual.

RELIANT Water Technologies

141 Robert E. Lee Blvd. - #284
New Orleans, LA 70124
Tel: 504-400-1239
FAX: 504-242-8887
Email: sales@reliantwater.us.com
www.reliantwater.us.com
July 19, 2019

Town of Boonsboro
Boonsboro, MD

To Whom It May Concern::

This letter is to confirm that the Reliant Water Technologies Wet Well Wizard System is a sole source product - manufactured, sold and distributed exclusively by Reliant Water Technologies located in New Orleans, LA. No other company makes a similar or competing product, as Reliant holds U.S. patent #9,968,895 on the Wet Well Wizard. This product must be purchased directly from Reliant Water Technologies at the above listed address, or one of our contracted Manufacturer's Representatives.

The Wet Well Wizard is the only lift station air ejection system available that can eliminate fats, oils and grease and neutralize H₂S odors (at the odor's source) for wastewater lift stations. Key claims in the patent are -

- The use of antipodal cleaving baffles that spin large bubbles at such a rate as to diffuse large amounts of dissolved oxygen into anaerobic water.
- The inability of air from the Wizard device that can be drawn into water pump volutes.
- The ability to maintain high levels of dissolved oxygen in any lift station wet well.

If you desire additional information, don't hesitate to contact me at any of the contact numbers noted above. You may also choose to visit our website at <http://www.reliantwater.us.com>. Thank you for your interest in our Wet Well Wizard System.

Sincerely,



J. R. Dartez
President



Wet Well Wizard Quotes

Pump Station	Cost	Fiberglass Housing	Total	Warranty
Young Avenue	\$6,527.00	\$1,250.00	\$7,777.00	1-Year
Route 34	\$6,499.00	\$1,250.00	\$7,749.00	1-Year
South End	\$6,499.00	\$1,250.00	\$7,749.00	1-Year
WWTP	\$6,499.00	N/A	\$6,499.00	1-Year
TOTALS:	\$26,024.00	\$3,750.00	\$29,774.00	

Average Water/Sewer Salary (w/ benefits): \$35/hour

Average Cost of Grease Removal: \$780/job

Grease Removal

Task	Jobs/Year	Expense
Grease Removal - TOB	2 jobs/year @ 6 hours	\$420/year
Grease Removal - Taylor	2 jobs/year	\$1,560/year
Total		\$1,980/year

Payback Schedule

Annual Operating Costs	Grease Removal	Aeration	Payback
Year 1	\$1,980.00	\$22,675	-\$20,695.00
Year 2	\$1,980.00	\$650.00 (electric & maintenance)	-\$19,365.00
Year 3	\$1,980.00	\$650.00	-\$18,035.00
Year 17	\$1,980.00	\$650.00	+\$585.00