



**PekaSys**  
**bubbler**

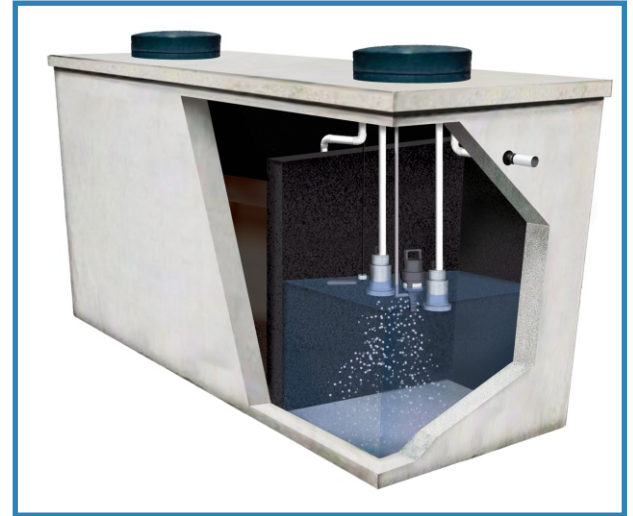
smart technology - clear advantage

***It Simply Works...***

**“ The PekaSys Bubbler® combines simple design with state-of-the-art technology.”**

Designing a Small Flow Treatment System is never a straight forward process. Water tables, soil classification, landscaping, and existing tanks make every installation a “special case.” Thus, your treatment system must be flexible enough to adapt to every installation, but simple enough to make installation and maintenance easy. The simple, and reliable, PekaSys Bubbler® WWTP is proven technology, which is prepared to handle your treatment needs.

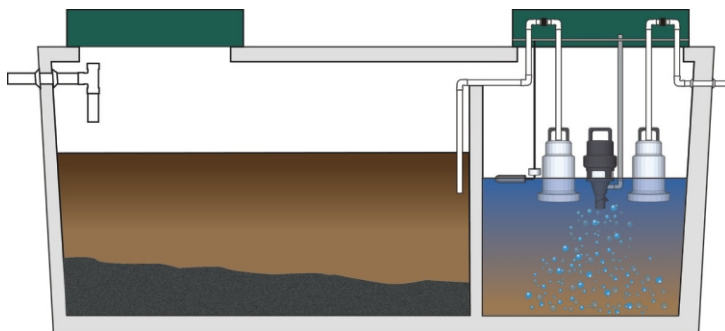
The PekaSys Bubbler® WWTP is, at it's core, a basic Sequencing Batch Reactor (SBR). SBR systems have been widely used and trusted in industrial and municipal applications, and have now been adapted for small flows. The SBR uses no filters, no fixed media, and has no hidden compartments. That means fewer problems and a longer life. The PekaSys Bubbler® WWTP is so simple in its design, that troubleshooting is straightforward and installation is a breeze.



**Key Features:**

- Fully Biological • No Filters •
- Retrofittable • Vacation Mode •
- Fully Automated • German Engineered

**Aeration**



**Applications:**

- ✓ Single family homes
- ✓ Apartments
- ✓ Restaurants
- ✓ Cluster systems
- ✓ Hotels
- ✓ Golf courses
- ✓ Office buildings
- ✓ Schools

For the homeowner, the system is virtually maintenance-free. As long as the homeowner adheres to proper use guidelines and has the required maintenance contract, the owner only needs to call the service provider in the event of an alarm. If you go away on vacation, the Bubbler will know, and will automatically adjust its cycle to keep processing wastewater until you return.

**The best onsite wastewater system is one that the homeowner can forget!**

# CRB1 - Control Panel

## Simple Set-Up and Operation

### For systems treating 100 - 2,000 gal/day

Nearly two decades of German engineering have led to the simple, reliable CRB1010. While its installation and operation are simple, its potential uses are numerous.

The basic CRB1010 can handle flows generated by residential and light commercial sources, such as restaurants, offices, and small hotels up to 2,000 gallons/day.

The CRB1010 is a smart system that detects and automatically adapts to changing wastewater flows. The control panel is equipped with audio and visual alarms which alert in case of malfunction.

## Sequencing Batch Reaction

Sequenced Batch Reaction is a fully biological process which mimics the naturally occurring bacterial process that treats wastewater. There are no chemicals or filters needed. The process is safe and effective, and treats septic effluent to environmentally sustainable levels.

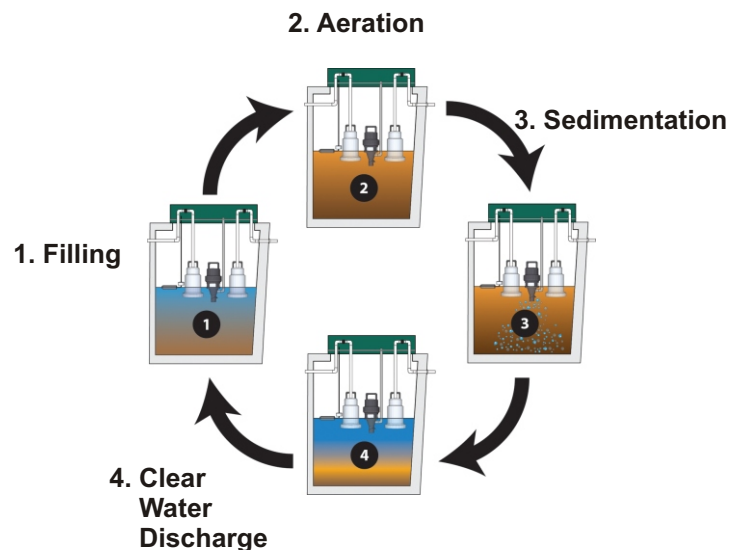
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The ease of this system is ideal for installers new to advanced treatment units, and its reliability is a relief to those in the field looking to reduce callbacks.

Commercial installations up to 500,000 gallons a day also available.

## Proven Technology

The PekaSys Bubbler® is certified in the USA and Canada under NSF/ANSI Standard 40 and Standard 245 and in the European Union under the EN 12566-3, where it holds five certification classes: C (standard), D (higher quality effluent), D+P (treatment + phosphorus reduction), N (nitrogen reduction), and D+H (treatment + disinfection).



## No Chemicals and No Filters

**Filling** - Effluent enters reactor from pretreatment tank.

**Reaction** - Intermittent aeration allows for aerobic and anaerobic conditions which break down BOD and Nitrogen.

**Sedimentation** - solids settle to the bottom of the reactor.

**Clear Water Discharge** - Top portion of reactor (clear water) is pumped to a dispersal field.

**Idle** - the system waits for the beginning of the next cycle.