

# ProPak™

Effluent Pumping Systems



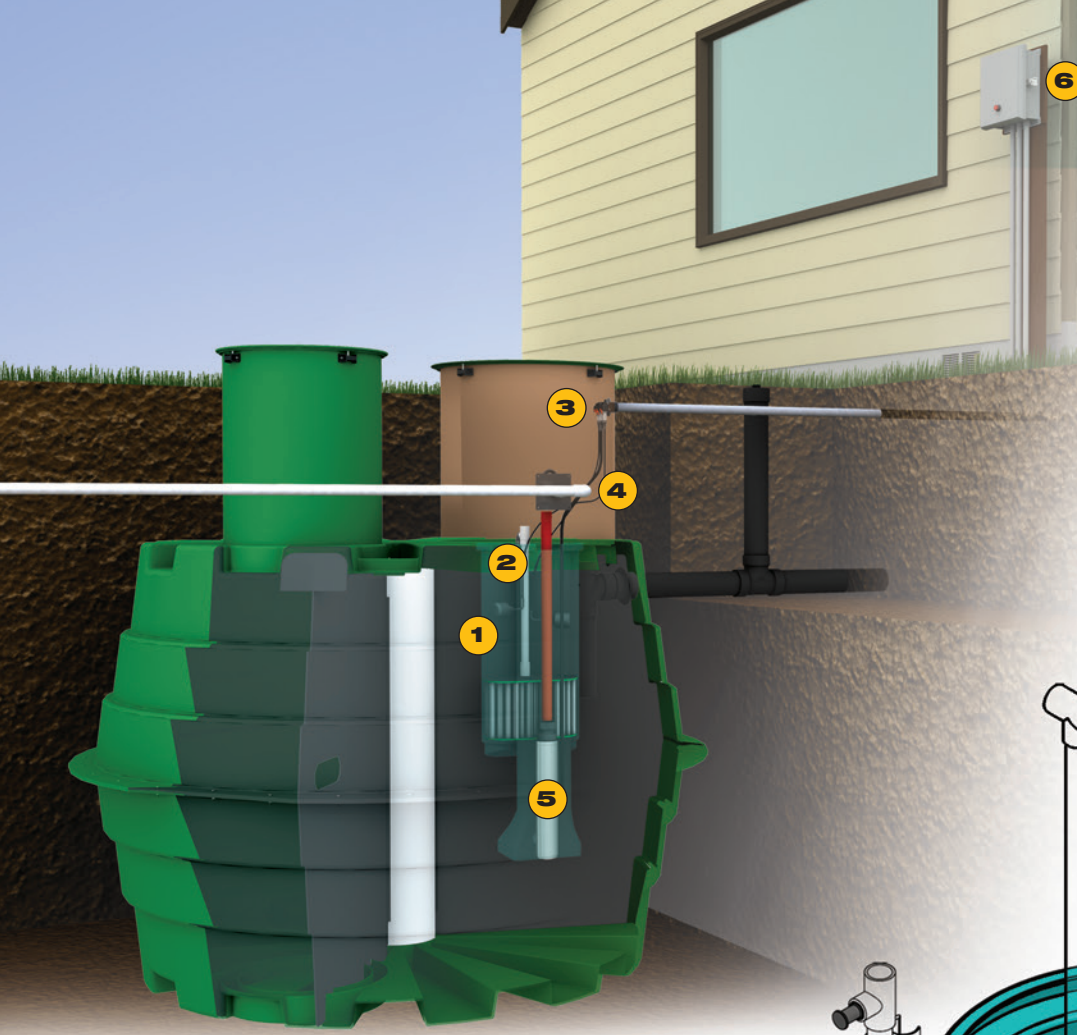
for  
Onsite  
Wastewater  
Collection  
and  
Treatment



PROTECTING THE WORLD'S WATER

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## Complete, Lightweight Package

ProPak™ Effluent Pumping Systems are fully integrated packages with six compatible components, so there's no need to shop for individual parts and pieces. Each component is lightweight and installs neatly into Orenco tanks (and most others), saving you time and money.

### Orenco's DCPD Tanks

Our DCPD (dicyclopentadiene) tanks are designed to be 100% watertight and each is tested for watertightness. They're also designed to withstand 5-ft (1.5-m) burial while empty, with groundwater to grade. Available in 1000-gal and 1500-gal sizes (3800-L and 5700-L).

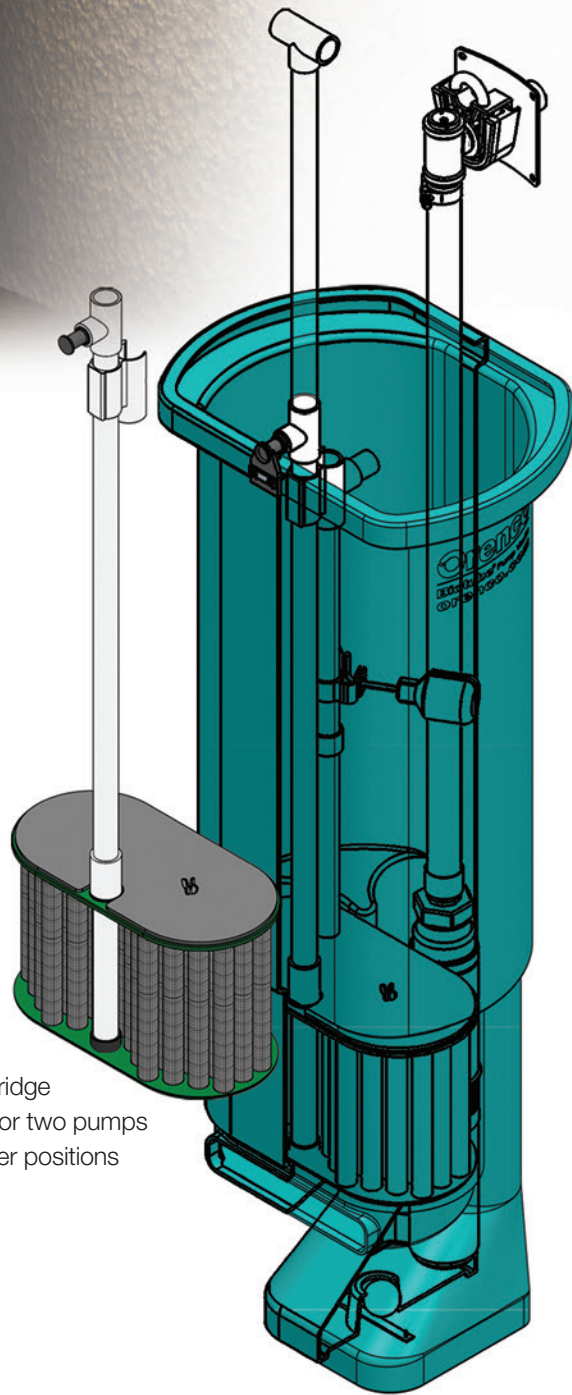
### Risers and Lids

Strong yet lightweight, Orenco risers and lids (sold separately) allow easy access to the tank. The lids are tamper resistant with a non-skid surface and available in green or brown.

### 1 Biotube® Pump Vault

- Filter goes longer between cleanings than other brands<sup>1</sup>
- Redesigned filter is passively self-cleaning
- Handle assembly aids removal of filter cartridge
- External flow inducer accommodates one or two pumps
- Removable float stem keeps floats in proper positions

<sup>1</sup> Orenco Fact Sheet, AFS-FT-1, 08/21.



# ProPAK Effluent Pumping Systems



## 2 Float Switch Assembly

- Provides level control
- Quick-release stem
- Adjustable float collars
- Variety of floats (including mercury free) and float arrangements

## 3 ClickTight™

- Connects the pump and 2-4 floats with a few easy clicks
- Replaces field splicing and wire nuts with molded waterproof<sup>2</sup> connector system
- Reduces common wiring errors
- Makes reliable wiring connections
- Decreases installation time
- Protects against the effects of moisture and corrosion
- Includes direct-bury cable

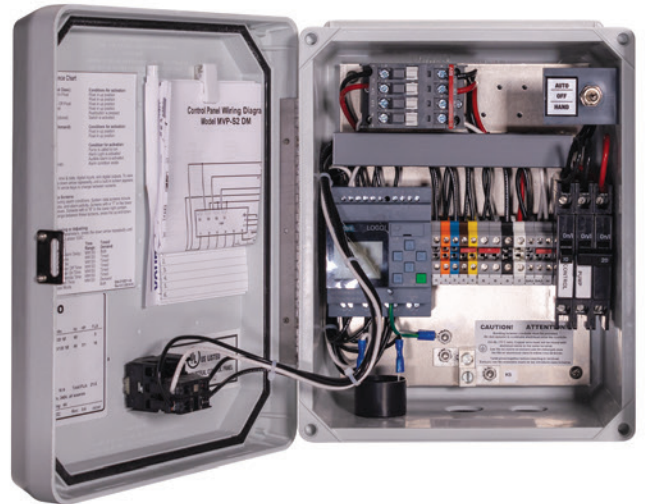
<sup>2</sup> Per connector manufacturer's specification.

Splice boxes are available as an alternative to ClickTight.



## 5 Effluent Pump

- Life of 25+ years with routine cleaning<sup>3</sup>
- Minimum 24-hour run-dry capability (liquid end)<sup>4</sup>
- Lightweight – about 25 lb (11 kg)
- Easy to service in the field
- Low power costs
- Noncorroding stainless steel construction
- UL and CSA listing for wastewater applications
- Variety of models available
- Five-year limited warranty



## 6 Control Panel

- Engineered specifically for wastewater applications
- Uses highest quality “touch-safe” components, NEMA 4X-rated enclosures
- “Smart” digital programmable panels and telemetry panels available
- UL and UL-C listed; standard configurations available to meet requirements of NEC Class I, Division 1 or 2
- Three-year limited warranty

<sup>3</sup> As seen in the Elkton, Oregon, sewer system.

<sup>4</sup> Internal tests.



## 4 Discharge Assembly

- Flexible design eliminates “hard plumbing”
- Typically includes quick disconnect (union or cam-style), ball valve, and check valve
- Available for special situations (cold weather, deep bury, etc.)
- Provides easy access

# ProPAK Effluent Pumping Systems

## ProPak Protects, Transports, Filters

In the 1980's, Orenco pioneered and packaged the modern filtering pump vault for onsite wastewater collection and treatment. Today, more than 250,000 of Orenco's filtering vaults are in service all over the world. They transport and filter wastewater from septic tanks and dosing tanks, protecting downstream lines, drainfields, and other treatment systems. The vault's patent-pending PSC-Series Biotube® filter has several times the capacity of other filters and removes about two-thirds of suspended solids, on average.<sup>5</sup>

### “Easy-Access” Design Aids Maintenance

The Biotube Pump Vault's easy-access design allows service providers to remove the Biotube filter cartridge without pulling the pump or vault. And the float assembly's quick-release float stem and adjustable float collars make it easy to remove and adjust.

### Quality Components

The ProPak Effluent Pumping System is constructed of stainless steel, thermoplastic, and fiberglass. The system is corrosion-resistant and durable, reducing lifetime operation and maintenance costs.

### Advanced Controls Available

Advanced control panels are available, which offer peace of mind to property owners, system designers, contractors, service providers, and regulators. Orenco's MVP digital, programmable panels allow you to easily and accurately set multiple parameters and to use one type of float for all functions. Our VeriComm® remote telemetry panels are coupled with the web-based VeriComm Monitoring System, which verifies, monitors, records, and communicates system operation round-the-clock, while remaining invisible to the homeowner.

*Easy-access design and patent-pending filter*



*simple,  
dependable*

*“We’ve had more than 500 Orenco Effluent Pumping Systems in operation since 1987. They’re simple, dependable, and easy to maintain.”*

<sup>5</sup> Orenco Fact Sheet, AFS-FT-1, 08/21.

Larry Garwood  
Diamond Lake Water & Sewer District  
Newport, Washington

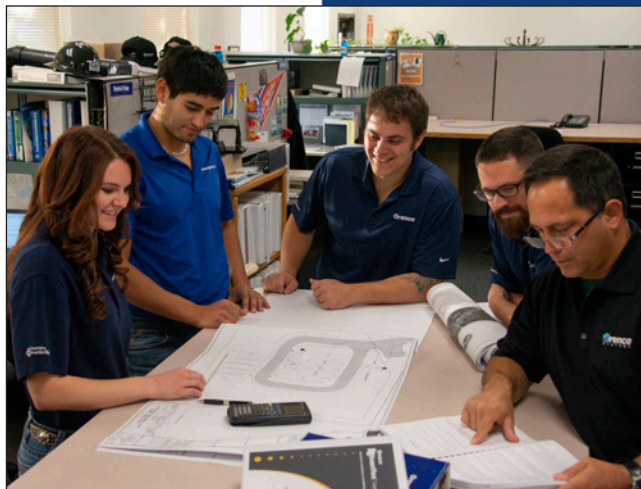
# Design, Engineering, and Support

## Unmatched Technical Support

When you specify, purchase, install, or service Orenco products, you tap into a wide range of technical support services.

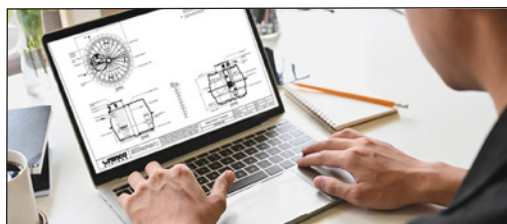
### Distributor Network

Orenco's products are available from about 330 different distributor locations. Distributors stock products, provide customer service, and help with system design, product takeoffs, ordering, shipping, and more. For a list of distributors, visit [www.orenco.com](http://www.orenco.com).



### Orenco Technical Sales and Engineering

If there isn't a distributor in your region, you can count on Orenco's technical sales and engineering staff to provide professional customer service, including plan reviews. When you call our toll-free number for information and assistance, you'll have access to a wastewater specialist with practical experience in effluent pumping system design, construction, and maintenance.

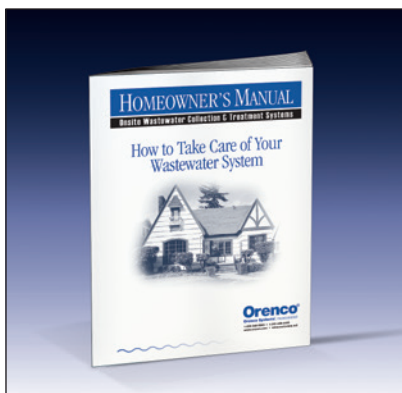


### PumpSelect™ Software

Our exclusive PumpSelect software is designed to provide fast, accurate hydraulic calculations for sizing Orenco pumps. You can quickly and easily download the latest version of PumpSelect at [www.orenco.com/design-aids/pumpselect-program](http://www.orenco.com/design-aids/pumpselect-program).

### Supporting Literature

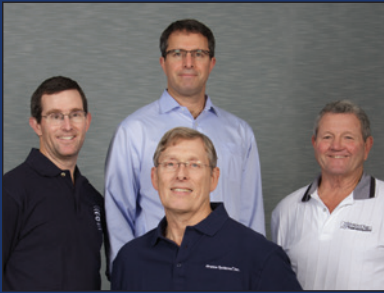
Each ProPak Effluent Pumping System comes with installation and maintenance instructions. There's also a homeowner's manual for the property owner (available in English and Spanish) with do's and don'ts for preventive maintenance. Spec sheets, product sheets, and additional color brochures are also available, by request.



## Online references

- **[www.orenco.com](http://www.orenco.com)**  
Includes an extensive document library, allows you to submit questions, request literature, find a local distributor, and view and print product and system information.
- **[www.vericomm.net](http://www.vericomm.net)**  
Coupled with our VeriComm telemetry control panels, allows registered users to manage alarms and monitor/control their onsite systems remotely.

# ProPAK Effluent Pumping Systems



Orenco Systems is owned and managed by engineers who develop wastewater systems that work — systems based on sound science.

Clockwise from left:  
Eric Ball, P.E., Jeff Ball, P.E., Hal Ball, P.E.,  
and Terry Bounds, P.E. (front).



Powered by  
**Franklin Electric**

## Carefully Engineered by Orenco

With a deep respect for the environment and a long tradition of innovative problem-solving, Orenco Systems designs and builds the world's best decentralized wastewater systems with pride in Southern Oregon. Our products help ensure the health and safety of people, neighborhoods, and communities everywhere by protecting the world's water.



Your health is our priority. At Orenco Systems, we're committed to protecting the world's water.

We maintain an environmental lab and employ dozens of civil, electrical, mechanical, and manufacturing engineers, as well as wastewater treatment system operators. Orenco's technologies are based on sound scientific principles of chemistry, biology, mechanical structure, and hydraulics. As a result, our research appears in numerous publications, and our engineers are regularly asked to give workshops and trainings.

Founded in 1981, Orenco has become an industry leader, with about 400 employees and some 330 points of distribution across North and Central America, Australasia, Europe, and Africa. Our systems have been installed in more than 70 countries around the world.

Distributed by:



**Orenco**<sup>®</sup>  
W A T E R

814 Airway Avenue, Sutherlin, OR 97479 USA

T: 800-348-9843

T: 541-459-4449

F: 541-459-2884

[www.orenco.com](http://www.orenco.com)

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