



# AMERICAN

*Manufacturing Company, Inc.*

## DRIP DISPERSAL SYSTEMS

## COMMUNITY & COMMERCIAL PERC-RITE®



## LAND APPLICATION FOR DECENTRALIZED WASTEWATER

Simple, Economical & Innovative, Wastewater Dispersal Technology

# PERC-RITE® DRIP SYSTEMS

**PERC-RITE®** drip dispersal systems provide the most flexible and economical system to return treated wastewater to the environment for final polishing and beneficial reuse.

Decentralized wastewater treatment and dispersal systems consist of a variety of approaches for collection, treatment and final dispersal of wastewater from small communities, cluster developments, industry and institutional facilities.

Cost savings range from 12% - 29% when comparing the total installed cost of a **PERC-RITE®** decentralized drip dispersal system with the cost of other decentralized land application systems including low pressure pipe, gravel trenches, beds and elevated systems.

## Cost-Effective and economical

- Scalable
- Avoid large capital costs
- Reduced engineering time due to pre-engineered & integrated components
- Low operation and maintenance costs



## Green and sustainable

- Low energy consumption
- Minimal site disturbance
- Reduces sediment runoff
- Groundwater recharge
- Nutrient reduction of TN & P

**PERC-RITE®** is a unique fluid handling system for the dispersal of septic tank effluent wastewater into soil. The system incorporates filtration, time dosing and low rate drip distribution tubing. In conditions where aerobic dispersal; such as low pressure distribution of septic effluent, is required or where land application with the use of conventional soil absorption fields is not acceptable, **PERC-RITE®** offers a method for subsurface & surface dispersal of the wastewater.

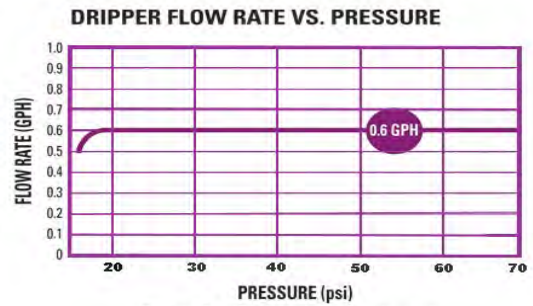
**PERC-RITE®** accommodates all pretreatment processes including septic tanks, aerobic treatment units, lagoon, and media filtration. Only primary treatment; the removal of large settled solids, of the sewage is necessary for the operation of the system. Local soil and site conditions may require additional treatment for excessive organics, nutrients, F.O.G or other contaminants.

Patent Nos. 5,200,065 • No. 5,984,574B • 6,261,452B1

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# FOR WASTEWATER DISPERSAL

Bioline™ drip tubing regulates the amount of effluent to be discharged from each emitter. The emitters maintain a constant flow rate over pressure ranges of 7 to 70 psi which guarantees equal distribution across the dispersal area.



On sites with discernable slopes, systems must be designed with the American Manufacturing Top Feed Manifolds system to control drain down, which may overload the lower laterals in a zone after the pump shuts off.

Disc Filtration is an innovative approach to solids removal from liquids. The unique structure allows for high efficiency filtration, low backwash volume, and reusable elements. The discs are flat, grooved plastic rings with a hole in the center. Rings are stacked together to form a cylindrical filter element. As effluent is pressurized into the filter, it compresses the rings. The grooves in the rings crisscross, forming a network that traps solid particles which are larger than the grooves. Filtered liquid exits from the inside of the cylinder providing reliable operation. Disc filters come in a full range of sizes and capacities for the various size systems.



Patent No. 5,984,574



American Manufacturing will assist with the entire project; whether community, commercial or industrial, from engineering support, construction supervision, startup and ongoing technical support for the system operator.

American has staff professional engineers, designers, soil scientists, and technical trained sales people with state-of-the-art experience in all aspects of wastewater and water system technology.

## **CONTROLS**

American Manufacturing Company, Inc. will design and build most any onsite wastewater or water system controller. Our staff is comprised of Professional Engineers, designers, soil scientists, and technically trained sales people with extensive experience in control systems.

Our objective is to provide reliable, economical, and efficient control device for fluid handling. We inventory many standard controls and are able to manufacture special panels in a very timely manner due to our modular design and manufacturing methods.

## **PACKAGES**

American Manufacturing Company, Inc. manufactures many specialty On-Site Wastewater system packages including Recirculating Sand Filters, pump stations and the Perc-Rite® Drip Dispersal System. American can fabricate almost any skid mounted pump and control system, test it in house and ship the complete assembly ready for installation.

## **CATALOG**

American Manufacturing Company, Inc. manufactures specialty On-Site Wastewater products including the Perc-Rite® Drip Dispersal System, Bull Run™ Valve, Dial-A-Flow™, Cool Guide™, Poly Distribution Boxes, accessories and Controls.



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