



RSR

Effective and efficient on-site treatment of residential septic wastewater



IMET® Residential Septic Reactors (RSR) are inserted into septic systems and underground residential treatment tanks. RSR systems eliminate odor and biomat production, therefore significantly reducing periodic pumping of solids from septic systems. RSR provides treatment of biological oxygen demand (BOD), chemical oxygen demand (COD), ammonia (NH₃), nitrate (NO₃), and nitrite (NO₂) in low- and high-strength wastewaters.

Due to significant reduction in biomat production, RSRs reduce plugging of the leach field. The quality of the treated wastewater enables reuse for irrigation and wash water, following disinfection by a UV unit or other disinfection treatments.

- ◆ 100% aerobic system: eliminates bad odor (H₂S)
- ◆ High surface area multi-media sustain high concentrations and high diversity of microbial systems
- ◆ Proprietary design enables highly energy-efficient operation

IMET RSRs treats residential wastewater to levels such that the outfall can be discharged to nearby waterways.



IMET Corporation designs and supplies wastewater treatment solutions for residential, commercial, municipal and industrial wastewater treatment applications

Call us today to discuss IMET® solutions for your wastewater treatment needs.

440-799-3135

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Wastewater treatment technology for retrofit or new installation in residential septic systems



RSR

Wastewater Treatment Technology That Makes An Impact.

The IMET® technology is a modular design that is able to fit any new or existing system. IMET Corporation offers customers an in-depth analysis of existing systems and specifically designs a solution to meet requirements. The IMET® “drop in” technology is designed to create an aerobic microbial environment in a wastewater system that allows for fast, lasting results delivering clients a turnkey solution to meet discharge requirements.

The IMET® technology provides superior surface area that allows large, diverse populations of microorganisms to grow and remain in the IMET® reactor. Coupled with superior aeration, and a design that utilizes aeration efficiently, the IMET® technology requires less air to achieve maximum results. The direct result is an increase in capacity and efficiency and decrease in energy consumption compared to traditional systems. IMET® technology uses its high surface area and efficient aeration design to create an environment that significantly reduces bio-sludge production, providing an additional cost saving advantage to customers.

Key Benefits:

- ◆ Recovers leach field—septic system
- ◆ Significant reduction of fecal coliform
- ◆ Significant reduction of BOD, ammonia and nitrate nitrogen meeting discharge requirements
- ◆ RECYCLE for irrigation with use of off the shelf technologies
- ◆ RECHARGE collection systems and natural water resources

RSR System

- ◆ RSR insert reactor(s) sized to meet septic tank specifications
- ◆ One 250 watt air pump

Contact us today to review your project and find out how we can be of service to you.

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