



Guide Rail Systems

Contributed by Zoeller Engineering Department

One component often overlooked in a sewage ejector installation is the guide rail system. Many people never give them a second thought until a pump fails. Often times an existing guide rail system can pose a problem when replacing a pump with a different model or brand than the original system. To assist during these circumstances Zoeller Engineered Products offers a rail adapter to make our pumps compatible with existing rail systems.

The first series of components focuses on existing Flygt pumps. Currently available and ready for immediate shipment is the Flygt Rail Adapter Kit to adapt any pump to an existing Flygt 4" (Zoeller part number 6039-0048) or 6" (Zoeller part number 6039-0053) rail system. The adapter kit will be included in your catalog on the back of ZM1347 in the. Each adapter kit includes a cast iron mounting plate, flange gasket, and stainless steel mounting bolts. Now, any pump that uses a standard ANSI 4" or 6" mounting flange can be adapted to a Flygt rail system.

In addition to the above guide rail system adapters, Zoeller Engineered Products also offers 4" (Zoeller part number 39-0154) and 6" (Zoeller part number 6039-0072) guide rail design of its own. All Zoeller guide rail systems come fitted with stainless steel hardware and a buna-n seal. Rail systems engineered for locations requiring non-sparking systems have a bronze rail plate and brass guide brackets. Non-sparking systems are offered for 4" (Zoeller part number 39-0155) and 6" (Zoeller part number 6039-0073) discharge pumps.

An important feature of the Zoeller guide rail system is the compatibility with other pumps. Should a sewer district have many different brands of spare pumps in case of a failure, then any pump using a standard ANSI flange and the same size discharge as the rail system can be used.

Zoeller guide rail systems use a replaceable buna-n seal between the discharge of the pump and the rail elbow. This seal provides more efficient operation than metal to metal type seals because of less leakage during pump operation. By using a seal Zoeller can design a rail system that uses greater mechanical tolerances to its advantage. These wider tolerances can make the pump slide up and down the rail system with less likelihood of getting hung up, which in turn provides easier installation and removal. Wider tolerances also allow our system to be compatible with other brands of pumps without any special modifications.

Ease of installation and low maintenance are just some of the many positive comments we have received about the Zoeller guide rail system. No complicated assembly or adjustment procedures are needed. In fact, we have not heard of any problems from the field about the rail system during installation or operation.

A guide rail system's design is usually not an issue during the purchase of a new sewage system. Only when the original pump fails does this become a problem. The Zoeller guide rail system offers competitive features that need to be recognized during the initial installation of a sewage pit. These features could save many headaches down the road.

Should any questions arise about the interchangeability of another brand and a Zoeller pump help is just a phone call away. Zoeller's Product Support Department has highly trained personnel to help with any capability requirements that may come up during the replacement of a pump. Call 1-800-928-PUMP and press 6 for Product Support.