

Overview

A low-pressure sewer pump is a safe, cost-effective way to provide sewer service in areas where traditional gravity sewers are not feasible. Low-pressure sewer pumps can be installed for homes in areas serviced by low-pressure sewer mains or for homes below the elevation of a gravity sewer main.

Low-pressure sewer pumps replace the action of gravity in sending waste materials to the sewer main. These pumps are usually installed near a home's existing wastewater service line and near a convenient 220-volt power source.

Low-pressure sewer pumps contain an electric motor that grinds household waste from tubs, sinks, toilets, and disposals into fine particles and transports it through small-diameter pipes to a gravity or low-pressure sewer main.

The contents of the low-pressure sewer pump's holding tank are removed each time the pump is activated.

To review KUB standards and specifications for low-pressure sewer pumps and low-pressure sewer systems, visit www.kub.org or call 524-2911 to request a printed copy.



Low-pressure sewer pumps have a low-profile cover that blends into the landscaping yet provides easy access for servicing.

Cross-section of a low-pressure sewer pump in a holding tank.



Low-Pressure Sewer Pump Installation

If a low-pressure sewer pump is an approved option for your home, KUB will install a sewer lateral service connection from the sewer main to the edge of your property. There will be a charge for the lateral installation. You may contact KUB for an estimate. A sewer service charge, which is based on monthly water usage, is added to your bill once the lateral installation is complete.

KUB should install the sewer lateral service connection before the low-pressure sewer pump and service line are installed, inspected, and approved.

You can expect to pay between \$3500 and \$5000 for the pump, service line, plumbing, electrical connections, and connection to the sewer lateral (including installation).

KUB will maintain the lateral service connection from the sewer main up to and including the service connection shut-off valve, which is typically located at the customer's property line.

The customer, however, is responsible for low-pressure sewer pump and service line maintenance from the shut-off valve to the pump on private property.

To find out about sewer options in your area, call KUB's Customer Information Center at 524-2911. A New Service representative will contact you concerning the type of system available and associated costs.

Low-pressure sewer pumps must be installed by a licensed plumber and licensed electrician and properly inspected by the following, depending on your location.

Inside the City of Knoxville

City of Knoxville electrical and plumbing inspectors must inspect and approve the pump and service line installation. To purchase both your electrical and plumbing permits, please call 215-2999.

Outside the City of Knoxville

A State electrical inspector must inspect the electrical wiring of the pump. To purchase your electrical permit, please call 558-2564. *Pump and service line installations must also be inspected and approved by a KUB representative before a connection is made to KUB's system. Please call 558-2786 to schedule an inspection.*

Failure to have the pump properly inspected could result in a delay in service.



Low-Pressure Sewer Pumps



P.O. Box 59017, Knoxville, TN 37950
524-2911 • www.kub.org