

Installation Instructions

5589000H

Guide Rail Systems

Models

GR30 3" Discharge

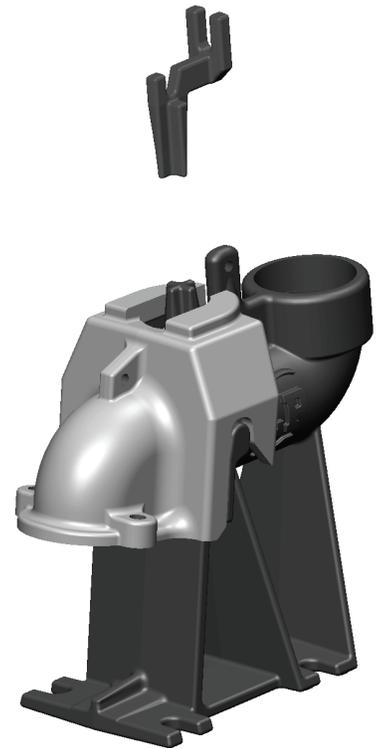
Fits LE70, LE100, LEH100, LEH150, and LEH200-Series Pumps

GR30NS 3" Discharge Non-Sparking

Fits XLE50, XLE70, XLE100, and XLE150-Series Pumps

Features

- Heavy-duty cast iron construction
- Accommodates single 1-1/4" guide pipe and 3" discharge pipe
- Auto-alignment feature
- Upper rail support bracket
- Includes sealing grommet
- Available in non-sparking version for hazardous locations with heavy-duty bronze claw



IMPORTANT: All Liberty Pump products are supplied with their own separate Installation/Operation/Maintenance manual(s). Ensure receipt of these manuals, and that they are read and understood prior to installation. For questions, call Liberty Pumps customer service at 1-800-543-2550.

GR30 Assembly

The GR30 quick disconnect assembly provides easy installation and removal of the pump. When installed correctly, it will seal and provide support for the pump. Ensure that installation is done per the diagrams shown.

The guide rail system comes in three parts:

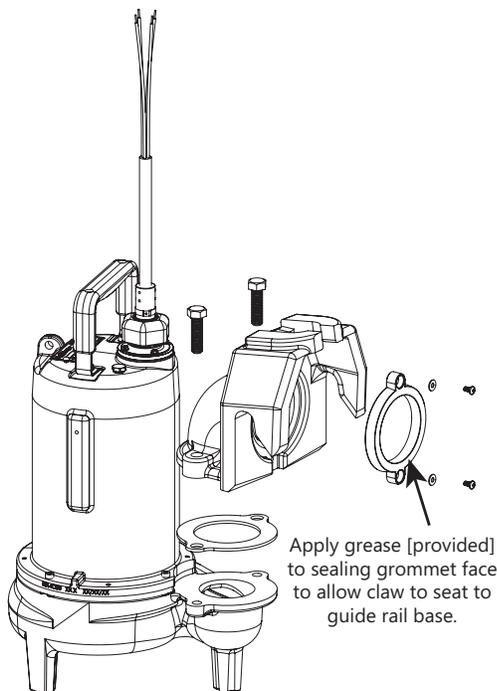
Base: This is the large casting that is mounted to the floor of the pumping chamber or vault. One-half inch studs are recommended, spaced 5-1/2" apart.

Pump mounting claw: For LE70, LE100, LEH100, LEH150, and LEH200-Series sewage pumps, use the 3" flanged bolt-on attachment.

Support bracket: A small casting is supplied and is used to support the top end of the 1-1/4" guide rail pipe (*pipe not included*). This casting needs to be mounted to a support structure, bar stock, angle iron, or other means that attaches to the side walls of the vault.

Preparation

The claw has a sealing grommet attached to it that provides the seal between the claw and base unit. The sealing grommet should be cleaned and greased before every new installation with a silicone based grease (*provided*). A gasket should be used between the claw and pump—the gasket and mounting hardware are provided with the pump. The stock flange that is shipped with the pump should be removed and replaced with the claw.



Installation

Note: A heavy guide rail pipe of galvanized or stainless steel is recommended.

PUMP SIDE

USE

| | | |
|----------|--|---------|
| A | Models LE70, LE100, LEH100, LEH150, LEH200 | 6 links |
| | Models XLE50, XLE70, XLE100, XLE150 | |

CLAW SIDE

| | | |
|----------|--|----------|
| B | Models LE70, LE100, LEH100, LEH150, LEH200 | 13 links |
| | Models XLE50, XLE70, XLE100, XLE150 | |

PUMP ANGLE

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|----------|--|
| C | As the pump is lowered into the discharge position, be sure to angle pump and claw 10–25° in direction shown to ensure a complete seal to guide rail base. |
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