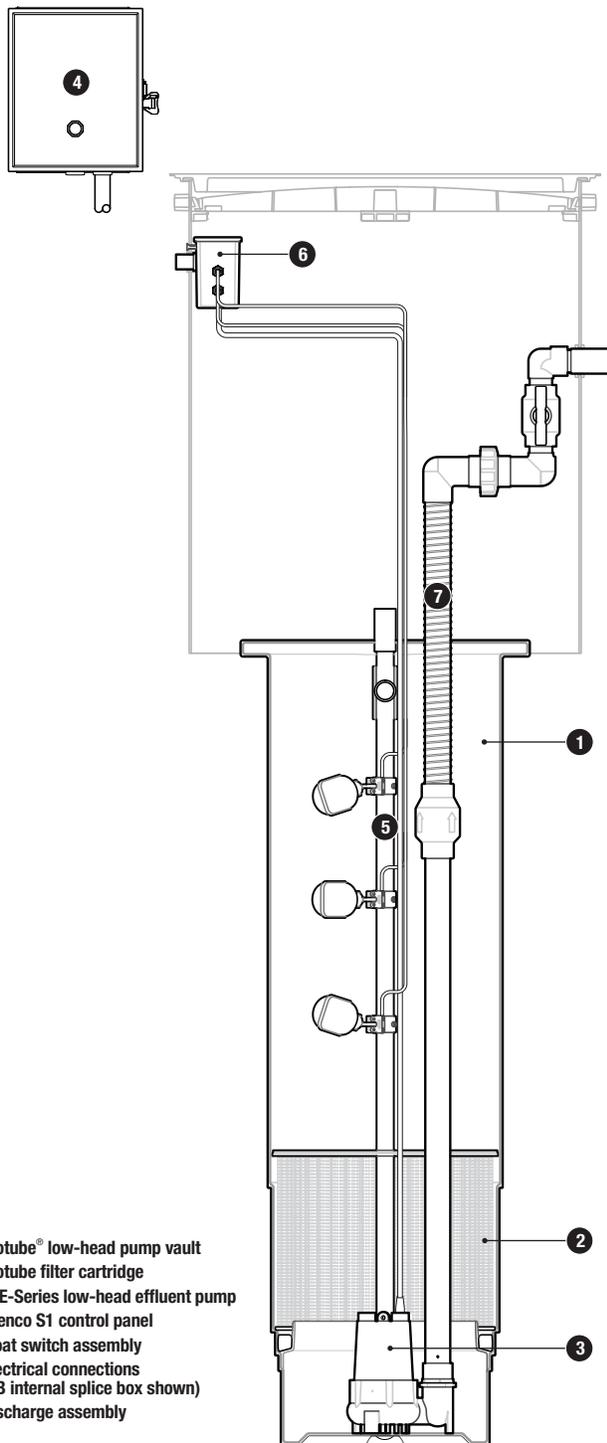


Biotube® Low-Head Vault Packages



1. Biotube® low-head pump vault
2. Biotube filter cartridge
3. PFE-Series low-head effluent pump
4. Orenco S1 control panel
5. Float switch assembly
6. Electrical connections (SB internal splice box shown)
7. Discharge assembly

Biotube Low-Head Vault Package

Applications

Orenco Biotube Low-Head Vault Packages are designed to provide solids filtration, pump controls, and effluent pumping from a single- or two-compartment septic tank or a pump tank.

General

Orenco's Biotube Low-Head Vault Packages make it easy to select and install the correct pump vault and accessories. The components are all designed to work together, reducing installation time and errors. The patent-pending Biotube vault is passively self-cleaning, which can extend periods between cleanings. And the vault allows removal of the effluent filter for cleaning without removing the pump vault, which simplifies service and maintenance work.

Effluent filtration is known to help protect drainfields. Biotube filter cartridges remove as much as two thirds of total suspended solids (TSS) from wastewater, keeping large solids in tanks and out of drainfields. And Biotube pump vault technology can save costs by eliminating the need for separate dosing tanks, where regulations allow.

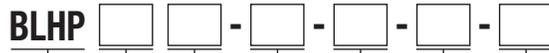
For more information on specific vault package components and options, see the following Orenco technical documents:

- [Biotube Low-Head Pump Vault Technical Data Sheet, NTD-GOP-PVU-3](#)
- [PFE-Series Effluent Pumps Technical Data Sheet, NTD-GOP-PMP-5](#)
- [S-Series Simplex Control Panels Technical Data Sheet, NTD-CAP-SSP-2](#)
- [A-Series Simplex Alarm Panels Technical Data Sheet, NTD-CAP-ASP-1](#)
- [Float Switch Assemblies Technical Data Sheet, NTD-GOP-FSA-1](#)
- [ClickTight Products Technical Data Sheet, NTD-GOP-SBX-3](#)
- [External Splice Box Technical Data Sheet, NTD-SBEX-1](#)
- [Internal Splice Boxes Technical Data Sheet, NTD-GOP-SBX-2](#)
- [HV-Series Pump Discharge Assemblies Technical Data Sheet, NTD-GOP-HVA-1](#)

Standard Models

- BLHP46018-L01-S29-SB-SDL1, BLHP46018-L02-S29-SB-SDL1
 BLHP46116-L01-S29-SB-SDL1, BLHP46116-L02-S29-SB-SDL1
 BLHP60018-L01-S29-SB-SDL1, BLHP60018-L02-S29-SB-SDL1
 BLHP60116-L01-S29-SB-SDL1, BLHP60116-L02-S29-SB-SDL1

Product Code Diagram



Discharge assembly options:
 Blank = no discharge assembly
 SDL1 = hose and valve assembly, field-cut,
 low-head, 1.5in (38mm) check valve

Splice box options:
 Blank = no splice box
 CLK = ClickTight™ connector
 SX = external splice box
 SB = internal splice box

Control panel; float switch options:
 Blank = no control panel or float switches
 S29 = S1; PB float switches
 A11 = A1, PB float switches

Pump options:
 Blank = no pump
 L01 = PFE3311-15; 1/3hp (0.25kW), 115V, 60Hz,
 15ft (4.6m) cord, 1.5in (38mm) discharge
 L02 = PFE5011-50; 1/2hp (0.37kW), 115V, 60Hz,
 50ft (15.2m) cord, 2in (51mm) discharge

Filter mesh options, in (mm):
 018 = 1/8 (3.2), standard
 116 = 1/16 (1.6)

Pump vault height options, in (mm):
 46 = 46 (1168)
 60 = 60 (1524)

Biotube® Low-Head Vault Package

Not all product code configurations may be available as standard products.