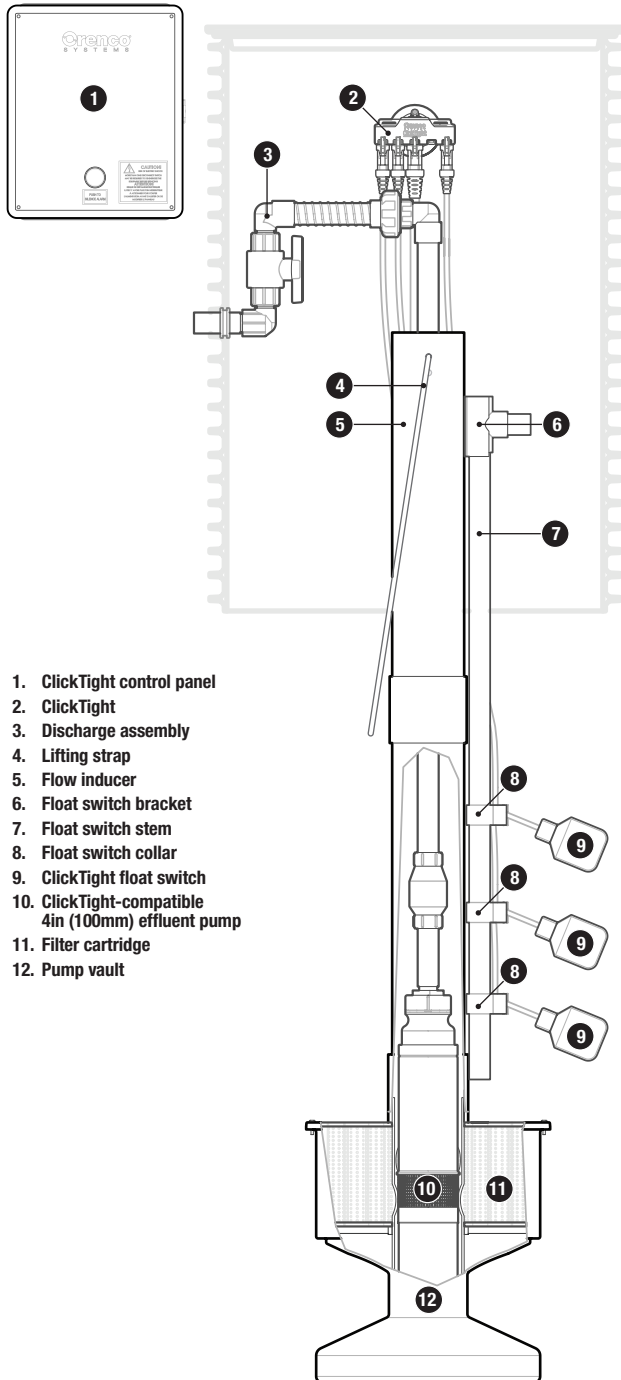


Biotube® EasyPak™ ClickTight™ Pump Packages



1. ClickTight control panel
2. ClickTight
3. Discharge assembly
4. Lifting strap
5. Flow inducer
6. Float switch bracket
7. Float switch stem
8. Float switch collar
9. ClickTight float switch
10. ClickTight-compatible 4in (100mm) effluent pump
11. Filter cartridge
12. Pump vault

Biotube EasyPak ClickTight pump package
(cutaway view)

Applications

Orenco's Biotube EasyPak ClickTight Pump Packages are designed to filter and pump effluent from a pump tank to either gravity or pressurized dispersal. The packages are well suited for applications requiring large reserve volumes and for pumping from near the bottom of a tank.

Packages for on-demand dosing or timed dosing at 10, 20, 30, and 50gpm (0.6, 1.3, 1.9, and 3.2L/sec) are available. All packages are 60Hz. Contact Orenco if a 50Hz package is needed.

General

These pump packages make it simple to select and install the correct pump and controls package for the pump tank. The low-profile, patent-pending pump vault is passively self cleaning to extend maintenance cycle intervals.

Orenco's ClickTight allows the connection of a pump, up to four float switches, and a control panel without the use of splice boxes, field-spliced wires, or watertight wire nuts. It also eliminates the need for conduit sealing. The ClickTight is UL listed for the US and Canada and is IP 67 rated.

This document provides detailed information on the EasyPak pump vault and effluent filter cartridge. For more information on other EasyPak and ClickTight Controls components, see the following Orenco technical data sheets:

- [ClickTight 60Hz Controls Package, NTD-GOP-SBX-4](#)
- [HV-Series Pump Discharge Assemblies, NTD-GOP-HVA-1](#)
- [PF-Series 60Hz, 1-Phase Effluent Pumps, NTD-GOP-PMP-1](#)
- [PVA-Series Pumps, NTD-PU-PVA-1](#)

Product Code Diagram

BEPCLK - - - - -

Discharge assembly; details:

- SD1 = HV100BCFCX; field cut, 1in PVC, ball valve, check valve, flow control, 10gpm (0.6L/sec) pumps only
- SD2 = HV100BCX; field cut, 1in PVC, ball valve, check valve, 10 or 20gpm (0.6 or 1.3L/sec) pumps
- SD3 = HV125BCX; field cut, 1.25in PVC, ball valve, check valve, 30gpm (1.9L/sec) pumps
- SD4 = HV200BCX; field cut, 2in PVC, ball valve, check valve, 50gpm (3.2L/sec) pumps
- CW1 = HV100BCFCX + HVCW100-KIT; field cut, 1in PVC, ball valve, check valve, flow control, 10gpm (0.6L/sec) pumps only
- CW2 = HV100BCX + HVCW100-KIT; field cut, 1in PVC, ball valve, check valve, 10 or 20gpm (0.6 or 1.3L/sec) pumps
- CW3 = HV125BCX + HVCW125-KIT; field cut, 1.25in PVC, ball valve, check valve, 30gpm (1.9L/sec) pumps
- CW4 = HV200BCX + HVCW200-KIT; field cut, 2in PVC, ball valve, check valve, 50gpm (3.2L/sec) pumps
- DB1 = HV100B-DB; field cut, 1in PVC, ball valve, drainback, 10 or 20gpm (0.6 or 1.3L/sec) pumps
- DB2 = HV125B-DB; field cut, 1.25in PVC, ball valve, drainback, 30gpm (1.9L/sec) pumps
- DB3 = HV200B-DB; field cut, 2in PVC, ball valve, drainback, 50gpm (3.2L/sec) pumps

ClickTight cable length, ft (m):

- 60 = 62 (19)
- 95 = 96 (29)

Float switch & pump cord lengths, ft (m):

- 10 = 10 (3)
- 20 = 20 (6)

Control panel; float switches:

- | | |
|-------------------------|------------------------------|
| S11 = S1; 3P | M11 = MVP-S1DM; 3P |
| S12 = S1ETMCT; 3P | M12 = MVP-S1DMHT; 3P |
| S13 = S1HR; 2P | M13 = MVP-S1DMHTSA; 3P |
| S14 = S1PTRO; 2BN | M14 = MVP-S1DMHTMTSGR-NC; 3P |
| S15 = S1PTROETMCT; 2BN | M15 = MVP-S1DM(DEMAND); 3P |
| S16 = S1RO; 3PN | M21 = MVP-S2DM; 3P |
| S17 = S1ROETMCT; 3PN | M22 = MVP-S2DMHT; 3P |
| S18 = S1ROETMCTSA; 3PN | M23 = MVP-S2DMHTSA; 3P |
| S19 = S1ROMTSGR-NC; 3PN | |

Submersible effluent pump:

- P08 = PF200511; 20gpm (1.3L/sec), 0.50hp (0.37kW), 120V
- P90 = PVA100511; 10gpm (0.6L/sec), 0.50hp (0.37kW), 120V
- P91 = PVA300511; 30gpm (1.9L/sec), 0.50hp (0.37kW), 120V
- P92 = PVA500511; 50gpm (3.2L/sec), 0.50hp (0.37kW), 120V

Biotube® EasyPak™ ClickTight™ Pump Package

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

Materials of Construction

| | |
|-------------------|------------------------------|
| Filter end plates | Polyurethane |
| Filter tubes | Polyurethane |
| Flow inducer | PVC |
| Handles | PVC |
| Lifting strap | Hollow-braided polypropylene |
| Vault body | Polyethylene |

Specifications

Dimensions, in (mm)

| | | |
|----------|--------------------------------|-------------|
| A | Overall height | 61 (1549) |
| B | Overall diameter | 15.25 (387) |
| C | Flow inducer diameter, nominal | 4 (100) |
| D | Vault height | 15 (381) |
| | Filter cartridge height | 7 (178) |
| | Filter cartridge width | 10.3 (262) |

Performance

| | |
|--|--------------|
| Biotube mesh opening, in (mm) | 0.125 (3) |
| Total filter flow area, ft ² (m ²) | 3.16 (0.29) |
| Total filter surface area, ft ² (m ²) | 10.53 (0.98) |

