

LOWARA SINGLEBOX PLUS



plastic pump tanks



Wastewater systems

Description

This series of pump tanks is suitable for collecting and transporting rainwater and lightly contaminated waste water where the drain is below the level of the sewer system. The Singlebox Plus can be installed both inside and outside the building. The instructions in the installation manual must be followed. The Singlebox Plus is quick and easy to install. For the single-phase version, simply connect the piping and plug the power cord into the wall socket. For the three-phase version, the switch box must also be connected. The Singlebox Plus is easy to move or relocate using the handles and lifting eyes on the side. The pump and press connections are already installed.

Applications

- o lifting device for rainwater drainage
- o lifting device, slightly contaminated, non-aggressive waste water

Specifications

- o 270-litre polyethylene tank with screw cap and locking screw (load capacity up to 100 kg)
- o cable clamps for power cables (and float switches, if required)
- o Rp 1½" or 2½" pressure pipe with quick coupling and ring nut for quick removal of the pump or with lowering system
- o 4 quick couplings:
 - 2 x DN110 for drain inlet
 - 1 x DN50 for venting
 - 1 x DN65 for cable feed-through
 - 1 x DN50 quick coupling: manual emergency pump connection
- o submersible pump DOMO or DL series, with vortex impeller, channel impeller or cutting system
- o control box type QDR and float switches for the 3-phase versions
- o 3 seals:
 - 1 x DN110 mm
 - 1 x DN50 mm
 - 1 x DN65 mm



- o versions with vortex impeller and cutting system suitable for: clean and contaminated water with suspended solids and long fibers
- o versions with channel impeller suitable for: clean and slightly contaminated water without suspended long fibers
- o special version equipped with fixed couplings, release ring, check valve, and shut-off valve pre-mounted in the box
- o special version equipped with foot bend coupling and check valve, pre-mounted in the box
- o ecological solution:
 - the tank is made of 100% recyclable polyethylene
 - the tank is sealed to prevent contamination, in accordance with European standard EN 12050
- o easy to maintain and repair
- o extensively tested pump technology. The pump can be easily and quickly removed thanks to the easily accessible ring nut

Accessories

- o check valve (to be mounted on the outside)
- o alarm set
- o hand pump + seal
- o set of seals



SINGLEBOX PLUS VERSIONS

| SINGLEBOX PLUS | | SPECIFICATIONS | | | | INCLUSIVE | | | VERSIONS | | | | | |
|----------------|---------------------|----------------|---------|---------------------|-----------|----------------|----------------|--------------------------------------|---------------------------|------------------------|---|----------|--------------------------------|---|
| | | KW | HP | CONSUMPTION (l/MIN) | H MAX (m) | TYPE IMPELLER | SWITCH BOX QDR | PRE-MOUNTED FLOAT SWITCH ON THE PUMP | FLOAT SWITCH (10 m cable) | STANDARD WITH RING NUT | RING NUT, BACKFLOW PREVENTION VALVE AND TAP | STANDARD | WITH BACKFLOW PREVENTION VALVE | |
| DOMO 7 | FIXED PVC COUPLINGS | MONOPHASE | 0.55 | 0.75 | 320 | 10,7 | DUAL CHANNEL | | X | | X | X | | |
| DOMO 7VX | | | 0.55 | 0.75 | 260 | 9,1 | VORTEX | | X | | X | X | | |
| DOMO 10 | | | 0.75 | 1 | 500 | 10,1 | DUAL CHANNEL | | X | | X | X | | |
| DOMO 10VX | | | 0.75 | 1 | 400 | 7,7 | VORTEX | | X | | X | X | | |
| DOMO 15 | | | 1.1 | 1.5 | 600 | 12,7 | DUAL CHANNEL | | X | | X | X | | |
| DOMO 15VX | | | 1.1 | 1.5 | 450 | 9,1 | VORTEX | | X | | X | X | | |
| DOMO GRI 11 | | | 1.1 | 1.5 | 110 | 25 | CUTTING | | X | | X | X | | |
| DOMO 7T | | 3-PHASE | 0.55 | 0.75 | 320 | 10,7 | DUAL CHANNEL | X | | X | X | X | | |
| DOMO 7VXT | | | 0.55 | 0.75 | 260 | 9,1 | VORTEX | X | | X | X | X | | |
| DOMO 10T | | | 0.75 | 1 | 500 | 10,1 | DUAL CHANNEL | X | | X | X | X | | |
| DOMO 10VXT | | | 0.75 | 1 | 400 | 7,7 | VORTEX | X | | X | X | X | | |
| DOMO 15T | | | 1.1 | 1.5 | 600 | 12,7 | DUAL CHANNEL | X | | X | X | X | | |
| DOMO 15VXT | | | 1.1 | 1.5 | 450 | 9,1 | VORTEX | X | | X | X | X | | |
| DOMO 20T | | | 1.5 | 2 | 670 | 14,8 | DUAL CHANNEL | X | | X | X | X | | |
| DOMO 20VXT | 1.5 | 2 | 550 | 11 | VORTEX | X | | X | X | X | | | | |
| DOMO GRI 11T | 1.1 | 1.5 | 110 | 25 | CUTTING | X | | X | X | X | | | | |
| DOMO 10 | FOTO COUPLING | MONOPHASE | 0.75 | 1 | 500 | 10,1 | DUAL CHANNEL | | X | | | X | X | |
| DOMO 10VX | | | 0.75 | 1 | 400 | 7,7 | VORTEX | | X | | | X | X | |
| DOMO 15 | | | 1.1 | 1.5 | 600 | 12,7 | DUAL CHANNEL | | X | | | X | X | |
| DOMO 15VX | | | 1.1 | 1.5 | 450 | 9,1 | VORTEX | | X | | | X | X | |
| DOMO GRI 11 | | | 1.1 | 1.5 | 110 | 25 | CUTTING | | X | | | X | X | |
| DOMO 10T | | | 3-PHASE | 0.75 | 1 | 500 | 10,1 | DUAL CHANNEL | X | | X | | X | X |
| DOMO 10VXT | | | | 0.75 | 1 | 400 | 7,7 | VORTEX | X | | X | | X | X |
| DOMO 15T | | 1.1 | | 1.5 | 600 | 12,7 | DUAL CHANNEL | X | | X | | X | X | |
| DOMO 15VXT | | 1.1 | | 1.5 | 450 | 9,1 | VORTEX | X | | X | | X | X | |
| DOMO 20T | | 1.5 | | 2 | 670 | 14,8 | DUAL CHANNEL | X | | X | | X | X | |
| DOMO 20VXT | | 1.5 | | 2 | 550 | 11 | VORTEX | X | | X | | X | X | |
| DOMO GRI 11T | | 1.1 | | 1.5 | 110 | 25 | CUTTING | X | | X | | X | X | |
| DLFM 80 | | MONOPHASE | 0.6 | 0.8 | 350 | 7,6 | SINGLE CHANNEL | | X | | | X | X | |
| DLFM 90 | | | 0.6 | 0.8 | 450 | 9,7 | SINGLE CHANNEL | | X | | | X | X | |
| MINI VORTEX M | 0.6 | | 0.8 | 300 | 7,2 | VORTEX | | X | | | X | X | | |
| DLM 109 | 1.1 | | 1.5 | 600 | 18,3 | SINGLE CHANNEL | | X | | | X | X | | |
| DLVM 100 | 1.1 | | 1.5 | 500 | 10,6 | VORTEX | | X | | | X | X | | |
| DLF 80 | 3-PHASE | | 0.6 | 0.8 | 350 | 7,6 | SINGLE CHANNEL | X | | X | | X | X | |
| DLF 90 | | | 0.6 | 0.8 | 450 | 9,7 | SINGLE CHANNEL | X | | X | | X | X | |
| MINI VORTEX | | | 0.6 | 0.8 | 300 | 7,2 | VORTEX | X | | X | | X | X | |
| DLF 105 | | | 1.1 | 1.5 | 500 | 14,1 | SINGLE CHANNEL | X | | X | | X | X | |
| DL 109 | | | 1.1 | 1.5 | 600 | 18,3 | SINGLE CHANNEL | X | | X | | X | X | |
| DLV 100 | | | 1.1 | 1.5 | 500 | 10,6 | VORTEX | X | | X | | X | X | |
| DLF VORTEX | | | 1.1 | 1.5 | 500 | 8,4 | VORTEX | X | | X | | X | X | |
| DL 125 | | | 1.5 | 2 | 700 | 21,9 | SINGLE CHANNEL | X | | X | | X | X | |
| DLV 115 | | | 1.5 | 2 | 600 | 13,1 | VORTEX | X | | X | | X | X | |

For single-phase models, the pumps are equipped with a start capacitor, overload protection, and float switch as standard. Models with switch boxes and accessories are available on request.