

MULTILIFT MSS

The Grundfos Multilift MSS is designed to collect and transfer wastewater (with faeces) in single family houses from a complete dwelling located below sewer level where drainage by gravity is impossible.

The MULTILIFT MSS consists of a dry installed pump, collecting tank, level sensor, wired controller and a non-return valve, which are ready for installation and fully automatic, low-noise operation.

The pump is made of stainless steel and has a clog-free vortex impeller. The collecting tank is pressure tight, gas and odour proof. Together with a blockage free level sensor, the MULTILIFT MSS ensures trouble-free, reliable operation.

APPLICATIONS

- Collection and disposal of wastewater in single-family houses or light commercial applications

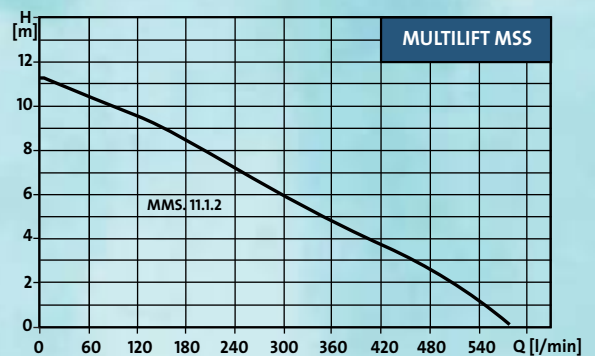
FEATURES

- **Easy to operate**
LC 220 controller with the setting of inlet level, safety functions and separate alarm indications for convenient operation
- **Overload protection**
Single phase motors are protected by a thermal switch in the windings and an additional thermal circuit breaker to cut out the motor in case of overload. If the motor is overloaded, it will stop automatically. When it has cooled down to normal operating temperature, it will restart automatically
- **Fast and clean service**
Servicing the dry installation pumps is easy, just empty the tank with the manual mode on the controller and dismantle the pump. The non-return valve is easily accessed for servicing
- **Flooded basements**
In a flood situation, the MSS continues to operate without problems. It is tested to withstand a flooding height of up to 2 m for one week. Pump and tank are IP68 proof



- **Powerful pumps**
Designed for dry installation and intermittent operation, the motor can easily handle 40 starts per hour, which perfectly fits the needs of a single-family house or a light commercial application
- **Strong and resistant tank**
The special design of the light, seamlessly moulded polyethylene (PE) tank with a wall thickness of up to 8 mm, makes the MULTILIFT tank exceptionally pressure stable (pressure proof up to a 5m water column conforming to EN12050-1)

PERFORMANCE CURVE



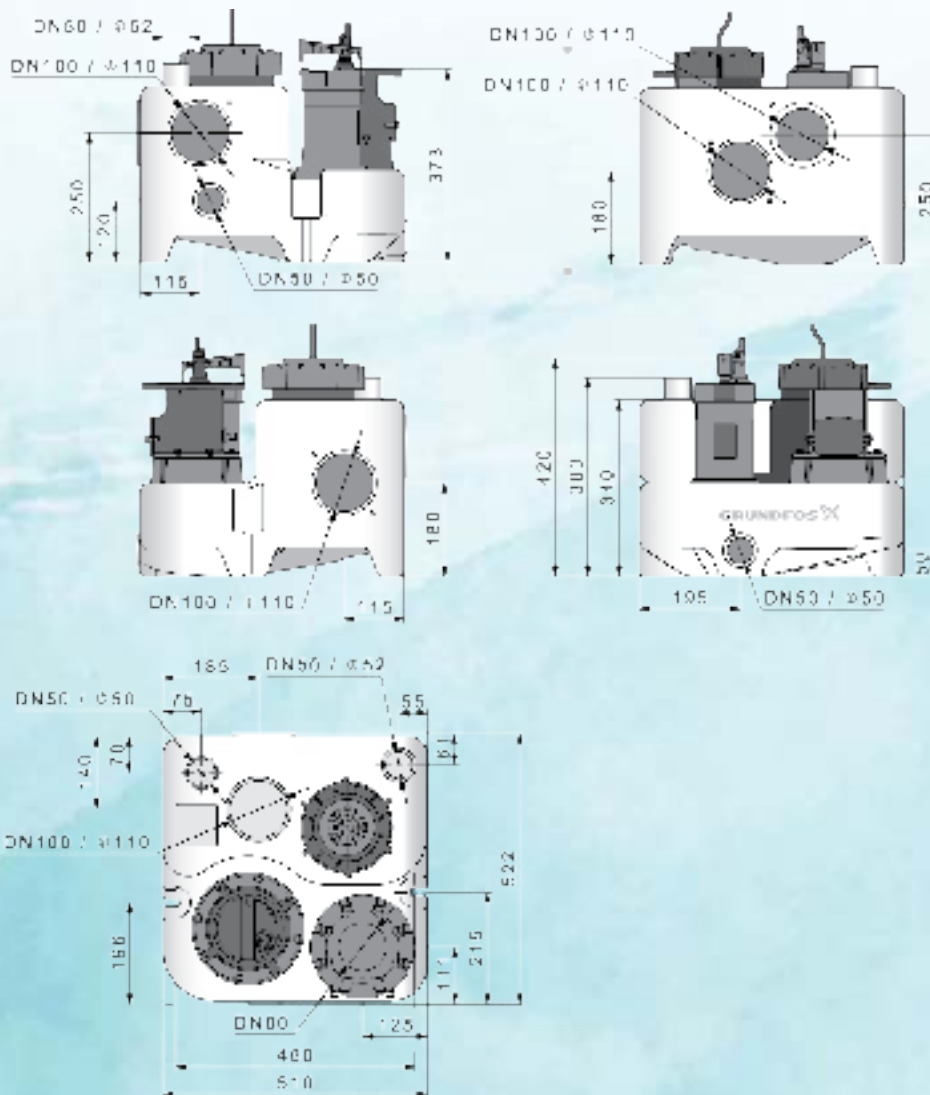
OPERATING CONDITIONS

- Liquid temperature
0 °C to +40 °C
- Ambient temperature
0 °C to +40 °C
- Relative air humidity
Max. 95%

TECHNICAL DATA

- Mains voltage
1 x 220-240 V, 50 Hz
- Enclosure class
IP68 (lifting station and motor)
IP56 (controller)
- Sound pressure level
< 70 dB (A)
- Approvals and markings
CE, LGA, VDE GROST/EAC, CB and EMW.

DIMENSIONS (mm)



PRODUCT RANGE

Part Code	Model	Power		Voltage (V)	Current I (A)	Tank Volume			Max Particle Size (mm)
		kw	Hp			Total	At 250 mm Inlet	At 180 mm Inlet	
97901037	MSS.11.1.2	1.1	1.5	1X 230	8	44	28	20	40

For all pumps, electrical supply is 1 phase 230 Volts AC, 50 Hz