Pro-Tech TOOLS

600 W sludge and waste water pump with macerator



Instructions for use

Translation of the original instructions

This device is a pump designed to discharge waste water from toilets, showers, washbasins and similar fixtures.
Wastewater from the toilet, shower or washbasin flows into the unit by gravity. It has a built-in pressure switch which detects the inflow of wastewater and automatically starts the pump.

The water temperature should be at least 1 °C, and it is important that the unit does not freeze. The maximum water temperature is 45 °C.

This unit is earthed. If the power cable is damaged, it must be replaced by a qualified person. The cable type is H05VV-F, 3G0.75 mm² VDE. The protection rating (IP) of this unit is IP54.

List of items supplied

1 × inlet plug (toilet)
2 × inlet blanking plug 4 ×
hose clamps

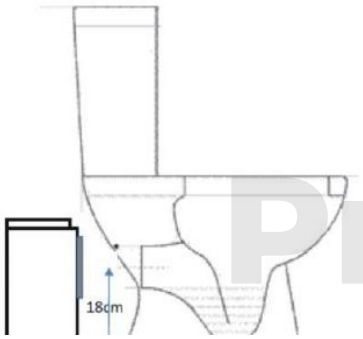


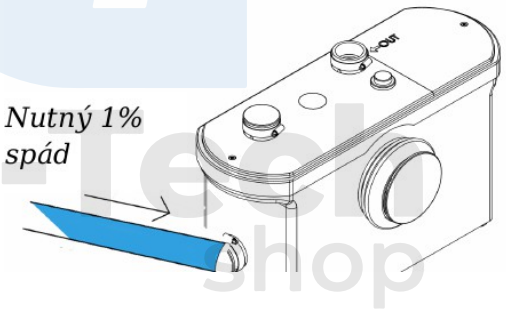
Connecting to the inlets

Connect the pipework directly to the toilet, to one or both side inlets, and secure it with hose clamps. If you are using only one inlet, seal the other with a blind plug. The rubber end of the connector, which is not included in the pack, must be cut to the required size so that the liquid can flow freely into the transfer station.

Connection to the toilet drain

The toilet should have a standard horizontal outlet with its centre 18 cm above the floor (in accordance with the European standard). The toilet must be fitted with a cistern or a flush valve. Insert this horizontal toilet outlet into the sludge pump and secure the pump's rubber sleeve around the pipe using the supplied hose clamp.





Connection to the shower or washbasin drain

Connect one end of the pipe to the transfer station as described in the section 'Connecting to the inlets' and connect the other end to the shower drain. Ensure that the shower drain is positioned at least 85 mm above the level of the lift station inlet to ensure that water flows into the unit by gravity. The gradient should be at least 1 per cent (1 cm per metre).

Connect the pipe to the lift station at one end as described in the 'Connecting to the Inlets' section, and at the other end connect it to the washbasin drain. The gradient should be at least 1 per cent (1 cm per metre).

Discharge connection

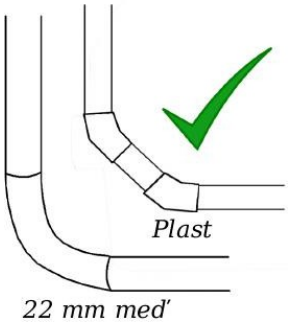
A non-return valve is pre-installed in this sludge pump unit. The plumber does not usually need to install any additional non-return valves on the discharge pipe.

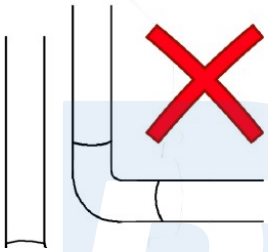
Connect the pipe directly (or via a connector) to the discharge end; then secure both connectors with a hose clamp. Horizontal

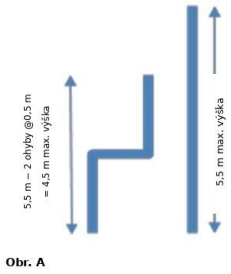
sections of the pipework should have a gradient of 1 per cent.

If you use bends in the connecting pipework, ensure that they are smooth to reduce the risk of blockages. Allow for a reduction in the maximum delivery head of approximately 0.5 m for each bend in the pipework; see the example in Fig. A.







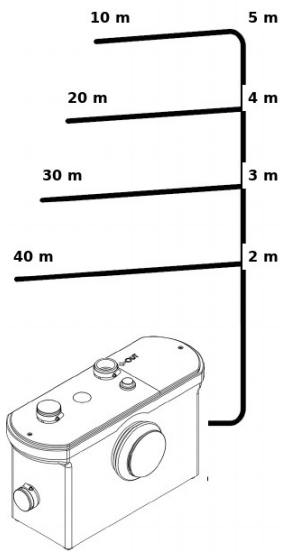


Obr. A

Technical information

Product code: PT02670
Model: MP600
Motor power: 600 W
Motor operating mode: S2
Maximum vertical pumping distance: 6.5 metres Maximum horizontal pumping distance: 60 metres Maximum water temperature: 45 °C
Toilet outlet height: 180 mm Max.
flow rate: 140 l/min
Minimum shower drain height: 85 mm

Pumping distances and heights



General instructions for use

The unit is intended for domestic indoor use only.

This lift station is designed to discharge waste water from toilets, showers, washbasins and similar fixtures.

Do not introduce chemicals, acids, solvents, paints or foreign objects into the pumping station, as these will damage the unit and invalidate the warranty.

All servicing and maintenance must be carried out by a qualified professional.

Cleaning should be carried out every 6 months. The power supply must be disconnected before any servicing or maintenance. Always use appropriate personal protective equipment (PPE) when carrying out this work.

Disposal of the product

This product must not be disposed of with ordinary household waste.

To prevent potential damage to the environment or human health resulting from uncontrolled waste disposal, please hand the appliance in at the relevant collection point or recycling centre in accordance with local regulations.

Troubleshooting

Symptom	Cause	Solution
The sludge pump has switched off	The unit has overheated.	Allow the unit to cool down for 30 minutes, switch it back on and reset it by holding down the override switch. Check for blockages.
	The power supply has been interrupted	Check the fuses and the power supply.
Water is flowing back	Insufficient gradient	Ensure a gradient of 1 cm per metre.
The unit is leaking.	The non-return valve / hose clamps are not fitted correctly.	Check these components.
The sludge pump is not working and has never been opened.	The sludge pump is connected to a pipe of the wrong size.	Ensure that the pipe is 32 or 40 mm.
	The electrical installation has been carried out incorrectly.	Ensure that the unit is installed by a qualified person.
	The non-return valve is facing the wrong way.	Check the non-return valve(s).
	The pressure switch is blocked	Check or replace the pressure switch.
The sludge pump does not have sufficient capacity.	The discharge pipe is too long/too high	Compare the distances with the technical specifications.
	The discharge pipe is too small	Check the dimensions
	The unit is blocked.	Carry out servicing as per the instructions above.
The sludge pump is making a humming noise but is not pumping out waste.	The pump is blocked	Check / service the pump.
	The non-return valve has been fitted the wrong way round.	Check the non-return valve.
The sludge pump starts up on its own.	The non-return valve is faulty	Check or replace the non-return valve.
	The tank is leaking	Check the tank.

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	Partial blockage	Clear the blockage
	The pressure switch is faulty	Replace the pressure switch
The sludge pump is not making any noise.	The unit is not correctly connected to the mains	Check the power supply.
	The pressure switch is not connected.	Check by pressing pressing the override switch.
	The motor is not working	If pressing the override switch has no effect, the motor may be damaged.

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