

MAGNAPRO™ macerator model



INSTALLATION

- ✓ Below ground
- ✓ New build
- ✓ Retro-fit

APPLICATION

- ✓ Domestic
- ✓ Commercial

ACCESS COVER

- Pedestrian (200 & 360 Models)
- 5 Tonne Solid, Locking (900 & 2000 Models)

POWER SUPPLY

- Ⓛ Single Phase (200, 360, 900 & 2000 Models)
- Ⓛ Three Phase (360, 900 & 2000 Models)

CONTROL EQUIPMENT

- Control Panel (360, 900 & 2000 Models)

NO. OF PUMPS

- Ⓛ Single Pump (200, 360, 900 & 2000 Models)
- Ⓛ Twin Pump (360, 900 & 2000 Models)

PUMP CONFIGURATION

- Free Standing (200 & 360 Model)
- Guide Rails (900 & 2000 Models)

INTERNAL PIPEWORK

- High Pressure Plastic

The MagnaPro is a fully automatic pumping station specifically designed for pumping foul, storm or surface water when gravity drainage is not possible and/or economical to install.

The system is suitable for installing either at the initial building stage or retro fitting to existing buildings and can accept waste from a basement, entire house/s or similar.

The system consists of a polyethylene tank, locking access cover, internal pipework and fittings, control panel (360, 900 & 2000 only), float switches (360, 900 & 2000 only), guide rail/s (900 & 2000 only) with single or twin (360, 900 & 2000 only) macerating submersible pump/s.

The MagnaPro is easy to install as inlets can be positioned to your requirements (inlet information to be supplied at time of order).

MODELS

Magna200Pro (Single)

150–200 litre storage capacity (depending on inlet level).

Magna360Pro (Single & Twin)

200–360 litre storage capacity (depending on inlet level).

Magna900Pro (Single & Twin)

540–900 litre storage capacity (depending on inlet level).

Magna2000Pro (Single & Twin)

1300–2000 litre storage capacity (depending on inlet level).

ACCESSORIES



TECHNICAL SPECIFICATIONS

| Model | 200Pro | 360Pro | 900Pro | 2000Pro |
|------------------------|---------|---------|---------|---------|
| Single phase | | | | |
| Power Supply | 230V AC | 230V AC | 230V AC | 230V AC |
| Rated Current | 5.1A | 5.1A | 5.1A | 5.1A |
| Motor Rating | 750W | 750W | 750W | 750W |
| Frequency | 50Hz | 50Hz | 50Hz | 50Hz |
| Revolutions Per Minute | 2850rpm | 2850rpm | 2850rpm | 2850rpm |
| Max. Vertical Output | 14m | 14m | 14m | 14m |
| Max. Horizontal Output | 150m | 150m | 150m | 150m |
| Max. Flow Rate | 400l/m | 400l/m | 400l/m | 400l/m |
| Three phase | | | | |
| Power Supply | 415V AC | 415V AC | 415V AC | 415V AC |
| Rated Current | 2.36A | 2.36A | 2.36A | 2.36A |
| Motor Rating | 750W | 750W | 750W | 750W |
| Frequency | 50Hz | 50Hz | 50Hz | 50Hz |
| Revolutions Per Minute | 2850rpm | 2850rpm | 2850rpm | 2850rpm |
| Max. Vertical Output | 14m | 14m | 14m | 14m |
| Max. Horizontal Output | 150m | 150m | 150m | 150m |
| Max. Flow Rate | 400l/m | 400l/m | 400l/m | 400l/m |
| Common data | | | | |
| Max. Liquid Temp. | <40°C | <40°C | <40°C | <40°C |
| Discharge Size | 63mm OD | 63mm OD | 63mm OD | 63mm OD |
| Cable Length | 10m | 10m | 10m | 10m |
| Weight (Single pump) | 125kg | 135kg | 170kg | 210kg |
| Weight (Twin pump) | 145kg | 155kg | 190kg | 230kg |
| Colour | White | White | White | White |

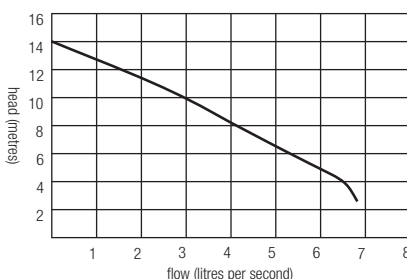
TANK DIMENSIONS

| Model | Diameter | Height |
|--------------|----------|--------|
| Magna200Pro | 750mm | 1000mm |
| Magna360Pro | 850mm | 1250mm |
| Magna900Pro | 1100mm | 1500mm |
| Magna2000Pro | 1350mm | 2000mm |

CONTROL PANEL DIMENSIONS

| Model | Height | Width | Depth |
|-------------|--------|-------|-------|
| Single pump | 400mm | 300mm | 190mm |
| Twin pump | 400mm | 300mm | 190mm |

PUMP CURVE



INSTALLATION GUIDELINES

IMPORTANT. These instructions are for guidance only. Please refer to the full Installation and Operating Guidelines when specifying / installing the product.

Siting the product

The MagnaPro is designed to be installed below ground level and so the prevailing ground conditions must be considered prior to locating the unit. Where possible, installation of a pumping station in a roadway should be avoided due to the need for periodic maintenance of the pump(s) contained therein. If the location is adjacent to a roadway, the installation method should take into account the imposed loads likely to be transmitted to the tank by traffic. The MagnaPro should be positioned in a sump with sufficient dimensions to allow for a concrete surround.

Inlet connection

The MagnaPro comes complete with a 110mm rubber connector located on the side of the tank that will accept 110mm uPVC soil waste pipe. The waste pipe needs to be run with sufficient gradient to allow the waste to gravity drain into the unit and should be pushed firmly into the 110mm rubber connector so as to form a watertight seal around the incoming pipe.

NOTE Inlets can be positioned to your requirements but must be specified at time of order.

Discharge connection

The connection of the discharge line is via the supplied compression adaptor. This connector is designed to accept black MDPE / HDPE pipework of appropriate outer diameter.

Electrical connection

A qualified person in accordance with the Institute Of Electrical Engineers Regulations should connect the unit to the appropriate mains supply taking into account all the electrical information provided.

IMPORTANT – All pump systems must be used with an appropriate motor rated protection device.

Maintenance

We recommend that the unit be inspected every three months. The inside of the MagnaPro should be inspected to ensure the floats are clean and free of any build up of materials that may inhibit the operation of the float switch. Also the moving parts of the pump(s) should be checked to ensure that they are moving freely. Hose down the interior of the tank if necessary to remove any build up of solid materials and the bottom of the tank should be checked to make sure there is no debris or materials that could enter the pump(s) and cause irreparable damage.

NOTE It is recommended that a service agreement be taken out with a technically qualified company.

Health & safety

As with all site work, the danger of working with water and electricity can pose a severe threat to health if obvious and fundamental precautions are not taken. Therefore if you are in any doubt regarding the installation, please contact us.

All site work must be undertaken by qualified personnel only.

These notes are for guidance only and it is for the installer to ensure the installation is in accordance with all structural and regulatory requirements.

The company reserves the right to make any alterations in the interest of technical development.



1 YEAR **ONE-YEAR GUARANTEE**
Terms and conditions apply.

SERVICE AGREEMENTS
See page 6.

For additional information and prices visit www.edincare.com

cutting edge technology
edincare
PUMPED DRAINAGE SYSTEMS
www.edincare.com