

Technical Specifications – Foul water

We have based our quotation on the following parameters:

Static Head	Approximately 4m
Horizontal Run	50m
Rising main Diameter	90mm OD
Flow rate Required	3.8 l/s
Distance From Pump to Panel	<10 metres
Power Available	Single Phase
Single Or Dual	Dual Duty/Standby

Selection

Pump Model	AP-602ND
Impeller Type	Vortex
Rated Power P2 / Current	1.1 kW / 3.0 Amps
Number of Pumps	Two

Scope of Supply – MagnaGrandIP -P-2.5-2-3

- 2 no. AP-602NE (Manual, 1ph, 10m cable)
- 2 no. DN65 Pedestal
- 1 no. Access Cover, Locking, Galv, Solid Top, 750mm x 600mm (Facta AA)
- 1 no. Internal 2.5" PVC Pipework
- 1 no. Control Panel: -
 - Direct Online Start
 - IP54 Enclosure
 - Hand/Off/Auto selector switches
 - High Level Audible Alarm with Mute Button
 - Auto duty/standby changeover
 - Door Locking Isolator
 - Visual Indication for: Pumps Running, Pumps Tripped & High Level
 - Volt Free Contact for Common Fault Monitoring
- 1 no. Gate valve
- 2 no. Non-return valves
- 4 no. Float switch for high level (10m)
- 2 no. Lifting chain & shackles

For installation by others:

- 1 no. Concrete Sump (Dimensions 1100mm x 1250mm x 2100mm deep, with minimum of 900mm below lowest inlet) & 60-degree benching should be installed to prevent dead zones and direct the waste towards the pumps. All concrete sump's should be suitably sealed to prevent contamination of the ground.
- 1 no. Clear Opening of 750 x 600mm required as minimum. This will allow adequate clearance for the pumps to be removed for maintenance. Please note the clear opening is to be sited in the centre of the sump.
- 1 no. 110mm Cable Duct
- 1 no. 110mm Vent Duct
- All pumping stations must be vented to atmosphere with a minimum 110mm duct. The vent pipe can be dedicated or a common SVP. This is to allow air to be drawn in and expelled when the tank is filling and emptying and to prevent smells.
- 1 no. Inlet Pipe Work (levels to be confirmed)
- 1 no. 90mm OD HDPE Outlet Spigot (to penetrate 300mm into the chamber)

All installation prices are subject to a site survey once the sump is accessible. Our installation responsibility shall terminate with a connection to a 90mm OD spigot provided by others within the chamber. This spigot should be provided central and square to the long side of the clear opening.

Edincare Pumps

Unit 8 Heron Business Park, Eastman Way, Hemel Hempstead, Hertfordshire HP2 7FW
 Tel: 01442 211554 Fax: 01442 211553 Email: info@edincare.com Web: www.edincare.com

Technical Specifications – Surface water

We have based our quotation on the following parameters:

Static Head	Approximately 2m
Horizontal Run	10m
Rising main Diameter	90mm OD
Flow rate Required	5 l/s
Distance From Pump to Panel	<10 metres
Power Available	Single Phase
Single Or Dual	Dual Duty/Standby

Selection

Pump Model	AP-601NE
Impeller Type	Vortex
Rated Power P2 / Current	0.75 kW / 6.0 Amps
Number of Pumps	Two

Scope of Supply – MagnaGrandIP -P-2.5-2-1

- 2 no. AP-601NE (Manual, 1ph, 10m cable)
- 2 no. DN65 Pedestal
- 1 no. Access Cover, Locking, Galv, Solid Top, 750mm x 600mm (Facta AA)
- 1 no. Internal 2.5" PVC Pipework
- 1 no. Control Panel: -
 - Direct Online Start
 - IP54 Enclosure
 - Hand/Off/Auto selector switches
 - High Level Audible Alarm with Mute Button
 - Auto duty/standby changeover
 - Door Locking Isolator
 - Visual Indication for: Pumps Running, Pumps Tripped & High Level
 - Volt Free Contact for Common Fault Monitoring
- 1 no. Gate valve
- 2 no. Non-return valves
- 1 no. Pressure pole
- 1 no. Float switch for high level alarm (10m)
- 2 no. Lifting chain & shackles

For installation by others:

- 1 no. Concrete Sump (Dimensions 1160mm x 1180mm x 1800mm deep) & a degree of benching should be installed to prevent dead zones and direct the flow of water towards the pumps. All concrete sumps should be suitably sealed to prevent contamination of the ground.
- 1 no. Clear Opening of 750 x 600mm required as minimum. This will allow adequate clearance for the pumps to be removed for maintenance. Please note the clear opening is to be sited in the centre of the sump.
- 1 no. 110mm Cable Duct
- 1 no. 110mm Vent Duct
- All pumping stations must be vented to atmosphere with a minimum 110mm duct. The vent pipe can be dedicated or a common SVP. This is to allow air to be drawn in and expelled when the tank is filling and emptying and to prevent smells.
- 1 no. Inlet Pipe Work (levels to be confirmed)
- 1 no. 90mm OD HDPE Outlet Spigot (to penetrate 300mm into the chamber)

All installation prices are subject to a site survey once the sump is accessible. Our installation responsibility shall terminate with a connection to a 90mm OD spigot provided by others within the chamber. This spigot should be provided central and square to the long side of the clear opening.

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