



OBJECTIVE:

The remediation of damaged internal drainage.

CHALLENGE:

To install a Sanifos 1000 inground pump station in a back yard with limited access.

SOLUTION:



SANIFOS 1000

INGROUND PUMP STATION SOLUTION

We all know that sewage, stormwater and wastewater (grey water) cannot flow uphill without being pumped! There are many situations where sewage, stormwater and wastewater can't be drained away via conventional gravity drainage and must be transferred to a higher point, whether it be to a sewer main at street level, stormwater pipe, easement etc.

Packaged pumping stations are an efficient solution where gravity reliant sewerage and storm water systems are not possible due to limited site access and site constraints such as property sloping away from the sewer or storm water infrastructure. Its now possible to achieve cost effective designs previously thought not possible

or too costly due to the lay of the land or limited site access.

Saniflo SFA Australia recently came across one such tricky project where the site owner had ongoing issues with their existing gravity drainage system. Due to subsurface water issues the current drainage under the house had been compromised by subsidence leaving the drainage lines with inadequate fall and even backfall in some places which led to blockages. What compounded this was the fact that most of the damage was situated under the house.

The only solution was to install an inground pump station and bypass the damaged drain.

"This particular project was tricky as the site was a property with limited access backing on to a Gold Coast waterway. Due to this limited access we chose the Sanifos 1000, this made it easy to manoeuvre the tank in through the garage to the rear of the property where it would be positioned in the back yard. The pump chosen for this package was the Sanipump ZFS 71, this high performance sewage cutter pump was more than suitable to take the waste from all fixtures in the entire house and pump back to the existing undamaged section of the house drainage"

- Greg Waters National Technical Manager



SANIPUMP ZFS 71

The Sanipump ZFS 71 is a high performance 2200 watt submersible sewage pump with a robust adjustable cutter system making it ideal for demanding domestic and commercial projects where intensive usage or high lift is required.

KEY BENEFITS:

- ✓ Heavy duty adjustable cutter
- ✓ High lift - 20 metres head
- ✓ 50mm non return valve
- ✓ Wires back to advanced level controller with visual and audible alarm



TECHNICAL CHARACTERISTICS

Discharge Pipework	50 mm
Motor Power	2200 Watts
Flow Rate	17 m ³ /h
Voltages	220-240 V/50 Hz
Tank Volume	1000 L
Working Waste Water Temp	55°C/Max (intermittent)
Product Weight	116 kg
Inlet Pipework	100 mm
IP Rating	IP86

CONTROLLER CHARACTERISTICS

IP54 weatherproof rating

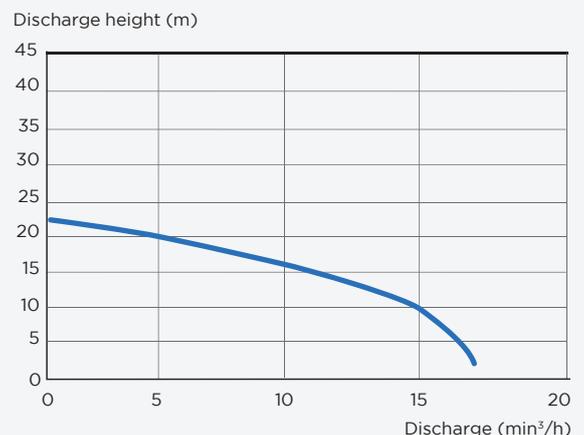
Visual (strobe) and audible (buzzer) alarms

Electronic Keyboard for control and interface

Audible and visual alarm mute/reset/test button

Auto/off/manual operation of pump

FLOW RATE PERFORMANCE CHART



ABOUT SANIFLO

Saniflo is a brand created and owned by the French owned SFA Group. For over 60 years the SFA Group's goal has been to allow one to easily install toilets, showers, sinks, kitchens, baths and hand basins literally anywhere. From its early beginnings as the inventor of the domestic macerating system, the SFA Group is today amongst the main companies providing pump solutions worldwide. Synonymous with quality and technical expertise, Saniflo's made in France products comply with the strictest quality requirements and consistently meet customer expectations. Saniflo products all have Australian Watermark approval and their pumps are intended to be installed by licensed plumbers.

SANIFLO'S DESIGN SERVICE

Saniflo offers project consultancy and assists architects and hydraulic consultants by reviewing plans, assisting with design layouts and recommending the correct pumps and their ideal location. We even work with the plumber onsite during installation to ensure that everything goes as planned. Saniflo has a wide selection of products for domestic and commercial application to provide design flexibility.



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