



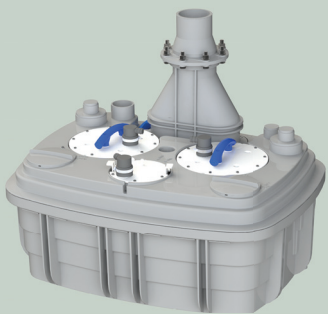
**OBJECTIVE:**

A major refurbishment and extension of an existing retirement home in Geebung in Brisbane Queensland was carried out during early to mid-2016.

**CHALLENGE:**

The factors to be considered included water volume, water velocity and water temperature.

**SOLUTION:**



**SANICUBIC 2 VX**

## COMMERCIAL LAUNDRY, GEEBUNG QLD

With the large extension came a need for a much larger laundry, however, no drainage was available to support this. Digging up concrete to lay new drainage lines and the favoured position of the new laundry meant costs would be extremely high. MRP Hydraulic and Fire Services Consultants Pty Ltd approached Saniflo for possible alternative solutions.

Consideration had to be made by Saniflo's Technical Manager Greg Waters, for the very large commercial washing machines that would create several critical points that would affect the operation of any pumping system. The factors to be considered included water volume, water velocity and water temperature.

With the layout of the building, it was decided that Sanicubic 2 VX was the only pump that could overcome the issues of the incredible volume of water. Sanicubic 2 VX can discharge water at a maximum rate 363 metres per hour (10.3 litres per second).

It was recommended the project utilise three dissipation/baffle tanks, positioned between the outlet of the washing machines and the inlet to the pump. These tanks would have the effect of regulating the velocity of the water entering the pump that may have affected the activation. Increasing the distance between the washing machines and the pumps also served to reduce the highest temperatures down below 70°C which is the maximum operating temperature of the Sanicubic 2 VX.



## SANICUBIC 2 VX

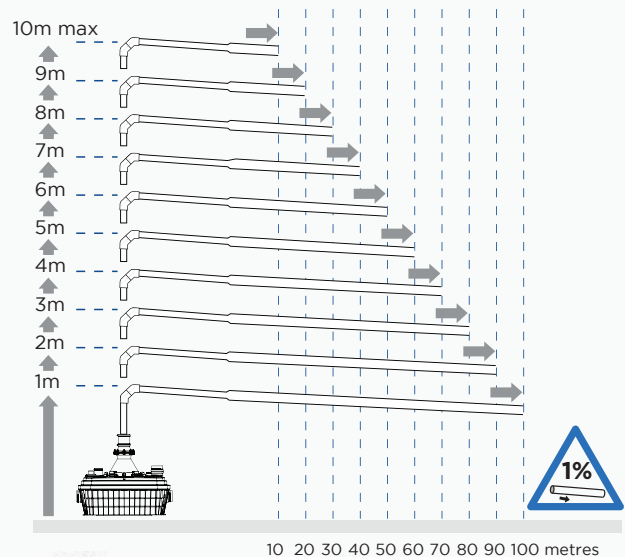
Sanicubic 2 VX is a powerful lifting station used for demanding commercial situations. It features twin 2000w motors, vortex blade-less pumping technology which is well suited for applications to eliminate blockages.

### KEY BENEFITS:

- ✓ Ideal for large volume commercial situations
- ✓ Large bore vortex pump with a 50 mm free passage capable of pumping waste water without the need to macerate.
- ✓ Easily removable motors for servicing and maintenance
- ✓ Large 120 L tank volume
- ✓ Easy to install - no need to excavate
- ✓ Two alarms for ultimate safety - both hard-wired
- ✓ Two integrated non-return valves and four inlets: 40/50/100/110 mm and one inlet 40/50 mm
- ✓ Working temperature of 35°C. Will handle up to 70°C for short periods.
- ✓ Volt free contact for connection to a Building Management System

### VERTICAL/HORIZONTAL PERFORMANCE

Increase size of horizontal run by one pipe size after 5m. All horizontal pipework requires a minimum of 1:100 fall.



Note: Isolation valves should be fitted to the inlet pipework and discharge pipework to isolate the unit for servicing.

### 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.



#### SANIFLO AUSTRALASIA

Tel: 1300 554 779

General enquiries: [info@saniflo.com.au](mailto:info@saniflo.com.au)

Technical & project support: [technical@saniflo.com](mailto:technical@saniflo.com)

[WWW.SANIFLO.COM.AU](http://WWW.SANIFLO.COM.AU)

#### SANIFLO NEW ZEALAND

Tel: 0800107264

General enquiries: [info@saniflo.co.nz](mailto:info@saniflo.co.nz)

Technical & project support: [technical@saniflo.co.nz](mailto:technical@saniflo.co.nz)

[WWW.SANIFLO.CO.NZ](http://WWW.SANIFLO.CO.NZ)



WMTS 106:2019  
Certificate No. 23048  
Manufacturer: SFA  
Brand: Saniflo