

P2P

PUMPING TO PERFECTION



GENERAL PUMP COMPANY
SINCE 1975



NEED LEVEL ALERT ALARM?

Has a client ever told you that they were unaware that there was a serious problem with a pump or retention system until sewerage or wastewater began overflowing everywhere?

This is often the case. People aren't aware of the pump issue or blockage until its too late and there is a huge mess and at times, a serious health hazard!

General Pump Company has a range of high level alarms stocked on the shelf which have a visual light and an optional buzzer which sounds if the liquid level in the pumpwell or tank rises above normal operating levels.

With an 'Ultraflow' high level alarm, this provides an early warning which gives people time to react before a crisis is on hand. General Pump Company offers an endless range of options including battery backup, and SMS messaging, sirens and bells. Call 1300 662 787 with your high level alarm requirements!



General Pump Company thanks you for your custom throughout 2013 and wishes you a prosperous 2014!

With a lot of developments taking place in 2013, and a lot of new products to be launched in 2014, you can be assured that we will continue to meet all your pumping requirements.

Call the pump specialists today! 1300 662 787

FREE
6 PACK OF
CORONA BEER WITH
EVERY COMPLETE
UNDER SINK
UNIT SOLD



PRODUCT FOCUS See page 2
ULTRAFLOW UNDER SINK PUMPING STATIONS

PRODUCT FOCUS

Have you ever had an installation where a sink cannot drain to waste? Looking for an under sink pumping system that is heavy duty? General Pump Company has the solution... The ULTRAFLOW USSU4 under sink unit is the answer.

The Ultraflow USSU4 under sink pump system is an excellent option for sink waste with small solids up to 10mm diameter. The unit is 480mm x 480mm wide x 520mm high. It has a large access cover which means easy access to the pump. It will pump up to a maximum of 11 metres vertically and offers flows of up to 4 litres per second maximum. General Pump Company offers a range of proprietary and custom built under sink units depending on the space available under the sink.

Call us today with your under sink specifications, or for a copy of the 'Ultraflow' Under Sink Pump Units brochure. Phone **1300 662 787**.

“ULTRAFLOW” USSU4 UNDER SINK PUMP SYSTEM



- 1 Large crew lid for easy access
- 2 40mm brass discharge isolation valve
- 3 Heavy duty polyethylene pump chamber
- 4 Brass flap/swing check type non-return valve
- 5 PVC barrel union for quick pump removal
- 6 Heavy duty Ultraflow vortex submersible pump



PACKAGES FROM
\$730
+GST*

FREE
6 PACK OF
CORONA BEER WITH
EVERY COMPLETE
UNDER SINK
UNIT SOLD†



*Price includes complete under sink unit complete with pump and pipework. Prices excludes delivery and GST. Subject to change without prior notice.
†Beer offer ends 28/02/14. Where delivery/transport of the beer offer is not practical, a \$20 gift voucher will be offered in its place.



PROJECT REVIEW

Recently General Pump Company supplied pumping equipment to a RailCorp project at Sutherland Maintenance Depot, NSW

The project was a 'design and construct' and General Pump Company worked along with the plumbers on the project to provide a pumping solution which involved the transfer of sewage waste from a toilet block to pump to the sewer.

General Pump Company was able to calculate peak flows, pipe friction and flow rates and specified a suitable pumping station for the application.

The 'Ultraflow' pump station included a tough reinforced fibreglass pumpwell fitted with guide rail systems and pipework which eliminated installation time on site for the plumbers. The pump station included two Ultraflow sewage grinder pumps, well known for their high quality and reliability, which

were perfect for pumping over the long distance. An 'Ultraflow' dual pump electrical control was supplied to control the level in the pumpwell, alternate pump starts and provide duty/standby operation.

As the invert levels to the pumpwell were lower than anticipated, the pump well had to be set lower into the ground. This meant the access had to be extended higher.

General Pump Company stocks a range of risers in the event that the levels aren't as expected.

The job is now complete and is performing well. Do you have any pump station requirements like this? Contact the pump station specialists today **1300 662 787**.



Job in progress



Job complete

What our customer says...

"General Pump Company were able to supply the sewage pump station quickly using good quality and reliable equipment at a very reasonable price. Great guys to deal with, I will be definitely dealing with them again, and would recommend anyone to contact General Pump Company with their pump requirements." —G.B., Dural, NSW



Left: Dual Sewage Grinder Pumps
Right: Pump Controller

Q&A: Q & A: Do twin submersible pump systems need two non-return valves or just one?

Q: When installing a twin pump submersible system, do I need one or two non-return valves?

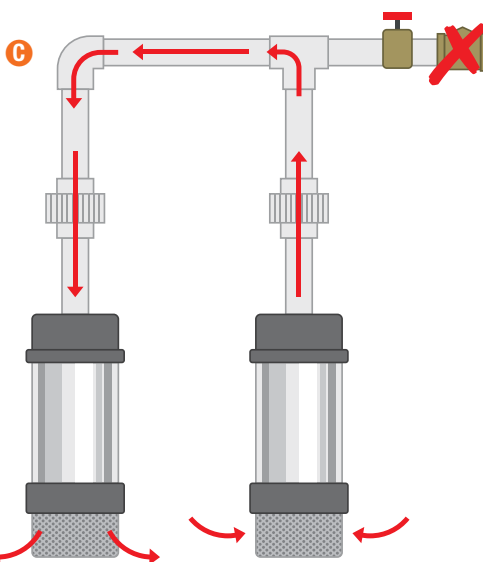
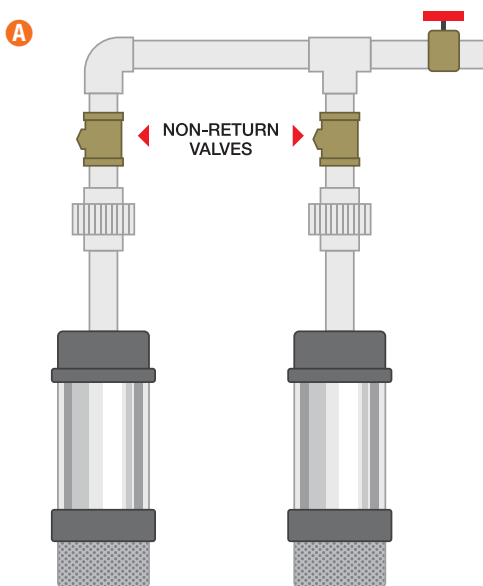
A: You need two. So many times personnel of General Pump Company have attended sites that have pumping issues, and the installer has only installed one non return valve instead of two valves. This causes a serious problem because... read on!

Q: Where do I put the non-return valves on a twin submersible system?

A: It is best to install one on the discharge pipe of each submersible in a position easy to access for ongoing servicing, but preferably as close as possible to the pump. **A**

Q: What type of non-return valves should I use on a twin submersible system?

A: Spring loaded non-return valves should NOT be used on submersible sump pump applications. General Pump Company recommends the use of brass or stainless steel flap type/swing check valves. They have a larger solid passage and don't provide as much restriction as a spring loaded check valve. Most wastewater submersibles have low output pressure to overcome the spring tension. Spring check valves can be easily clogged with debris, sticks, leaves or sewage, and therefore do not open and close properly. **B**



Q: What happens if I DON'T install two non-return valves on a twin submersible system?

A: When a pump is operating, it will choose the route with the least amount of resistance. What will happen is that one pump will pump up and back down through the other pump as shown in **C**

Q: Will it destroy the pumps if two non-return valves are not installed?

A: Yes, eventually it will destroy the pumps, because:

1. one pump is simply pumping back through the other, the water level is not falling and the first pump could potentially run for hours or even weeks which heats up the water and causes the motor to overheat and burn out;
2. it will cavitate or overload the motor because there is little or no backpressure on the pump;
3. the flow going back through the second pump acts like a turbine and makes the pump rotate in the opposite direction. If the second pump starts also, the rotation changes and the sudden shock can snap the motor shaft.

**Contact the
pumping
specialists
today
1300 662 787**

Quote of the Month:
"Winners don't quit... and quitters don't win!"



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