



P2P

PUMPING TO PERFECTION



GENERAL PUMP COMPANY
SINCE 1975

TRYING TO PUSH WATER UPHILL?

- Flooded backyards, basements whenever it rains?
- Stormwater won't drain away?
- Need to get stormwater up to street level?

General Pump Company has thousands of stormwater pumps of various sizes in stock. We have the pumping solution for all your stormwater pumping needs – submersible pumps, control panels, pits, pumpwells, pipework and valves, lifting chains – you name it!



Call our friendly sales team today to discuss your application. Ph 1300 662 787.



Hello and welcome to the May/June P2P edition!

Wanting a supplier that will supply you the *right* pump for the *right* job at the *right* price? General Pump Company has been doing just that for almost 40 years! You can be assured that when dealing with General Pump Company, you are dealing with a team that really does know what the best solution is for your requirements.

Do you currently have a project or projects that require pumps or a pumping system? Or are you tendering for a contract that includes pumps or a pumping system?

Contact the experienced team at General Pump Company

1300 662 787

or email your specs to:
sales@generalpumps.com.au

PRODUCT FOCUS

See page 2
ULTRAFLOW UFC-20-60B-150 CIRCULATING PUMP



FREE
AUSTRALIA-WIDE
DELIVERY FOR ALL
ULTRAFLOW
CIRCULATORS!

PRODUCT FOCUS

Need to install or replace a hot water circulating pump?

General Pump Company offers an extensive range of 'ULTRAFLOW' circulator pumps. The 'ULTRAFLOW' UCF20-60B is in 'hot' demand – its performance, dimensions and quality meets the requirements of the most common applications in Australia. With its 20mm connections and 150mm port to port dimensions it will slip straight into where a 'GRUNDFOS' UPS20-60B or UPS20-60N is taken out.

The 'ULTRAFLOW' circulator pumps are the ultimate selection for many applications including:

- Potable hot water in residential and commercial buildings
- Under floor closed loop heating
- Solar heating systems,
- Boiler shunt pumps
- Heat pump systems
- Geothermal heating systems
- Heat recovery systems

Features include:

- Bronze pump casing
- Low noise
- Maintenance free
- 3 Speed motor
- Optional electrical lead/plug for quick change over
- 2 Year warranty
- Made in Europe



MADE IN EUROPE



FREE DELIVERY AUSTRALIA-WIDE THIS MONTH ONLY



LARGE PUMP RANGE



PACKAGED SYSTEMS

* Suction/discharge unions available upon request. Delivery via airbag, PO Boxes not accepted. Price excludes GST. Subject to change without prior notice.

† Free Delivery offer ends June 30, 2014.

PROJECT REVIEW

With construction recently completed, iFLY Indoor Skydiving at Penrith has powered up for the first time.

The vertical wind tunnel / shaft took several months to construct and is now open for business. This unique facility is the first of its kind in Australia and gives the daring and fun loving the exhilarating experience of skydiving indoors. The military will also be making good use of the facility for their skydiving training.

General Pump Company supplied a number of pumps for this project including subsoil pumps, a rainwater reuse pump set, filtration system, and a fire protection pump.

With a significant part of the structure below ground, it was necessary to install submersible pumps in pits to pump out the subsoil seepage water. 'ULTRAFLOW' submersible pumps were chosen for this application because of their quality and reliability. Access to the pumps is very restricted due to the long hours of operation of the powerful fans that force air into the air tunnel/shaft. Using 'ULTRAFLOW'

submersible pumps minimises maintenance and downtime in the years ahead.

General Pump Company also supplied an 'ULTRAFLOW' multistage submersible pump with an 'ACQUASAVER' rain to mains changeover valve and filtration system for reuse of the rainwater collected from the roof area. The 'ULTRAFLOW' pump and 'ACQUASAVER' changeover valve have proven to be the most efficient, trouble free and serviceable kit on the market.

Fire protection is extremely important in any building. General Pump Company supplied a pressure booster pumpset to increase the pressure of the water that feeds the hose reels providing maximum performance to the higher parts of the building in the unlikely event of a fire.

For quality, reliable pumping equipment backed by almost 40 years of experience in the industry, call 1300 662 787.



Australia's first indoor skydiving centre during construction in Penrith NSW



Military personnel undergoing skydiving training indoors



Q&A: What is the correct way to install a suction line from a surface mounted pump into an inground tank?

Q: What is the maximum distance / length of suction line between a surface mounted pump to the inground tank?

A: Pump suction is much more critical than the pump discharge. Typically, the distance a pump can discharge liquid is much higher and further than the distance that a pump can suck. The shorter the suction line, the better the efficiency and performance of the pump. The distance between a pump and the inground tank shouldn't exceed ten (10) metres. Having said this, there are installations where the suction line is much longer and the pump seems to perform satisfactorily – the facts are that when you exceed a suction line length of ten (10) metres, there will be a much higher risk of priming problems and there will be a reduction in pump performance.

Q: What is the maximum suction lift / height difference between the pump and the water level of the inground tank?

A: The closer the pump is to the water source, the better the pump performance will be and priming issues will be reduced to an absolute minimum. The suction lift / height difference between the pump and the lowest water level should not exceed six (6) metres. If a greater suction lift is required, a dual suction line with a jet & venturi can be fitted – suction lifts of up to forty (40) metres can be achieved, however, these installations are problematic and pump performance is drastically reduced. So for optimum performance and hassle free pumping try to keep suction lifts to six (6) metres or less!

Q: Should a footvalve be fitted to the end of a suction line?

A: Yes, it is essential – even if the pump is self priming. The footvalve will keep the suction line and pump filled with water. This will ensure immediate pumping when the pump starts. It is not necessary to have another non-return valve before the pump – just a footvalve is best. We strongly recommend using a brass / bronze footvalve that is NOT spring loaded. Plastic spring loaded footvalves are often used but can be very problematic – the spring collects debris ie small twigs, leaves etc and gets clogged and prevents it from opening or closing properly. Plastic valve seats can distort in time and do not seat properly and water leaks causing the pump to lose its prime.

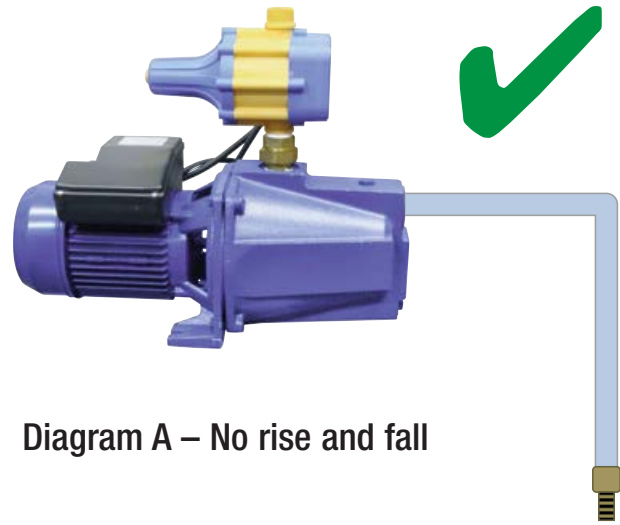


Diagram A – No rise and fall

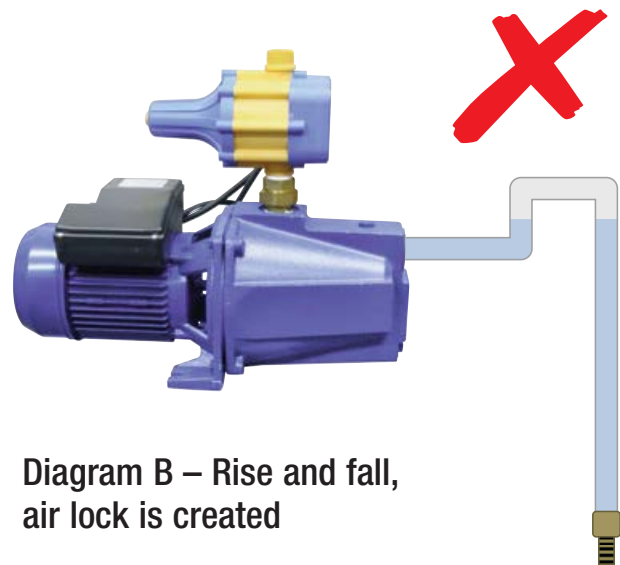


Diagram B – Rise and fall, air lock is created

TIP

'Self priming' pumps need to be filled with water prior to the initial start up – the suction line doesn't necessarily need to be fitted with water, however, if it is filled, priming will be much faster! Centrifugal pumps should never operate without water for more than 1-2 minutes.

Quote of the Month: "The secret to success is a consistency of purpose."

GPC GENERAL PUMP COMPANY
SINCE 1975

T 1300 662 787 F 1300 662 717 E sales@generalpumps.com.au W www.generalpumps.com.au

Disclaimer: Information contained in this newsletter is indicative only and may not be accurate. GPC, its staff and associated business will not be liable for any consequence of any kind or form resulting from the use of information in this publication. Please refer to a hydraulic consultant/engineer for approval prior to commencement of any work.