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**100% Effective Natural Hormone Treatment**  
**Menopause, Andropause And Other Hormone Imbalances**  
**Impair Healthy Healing In People Over The Age Of 30!**

**Easy Way to Troubleshoot Pump Problems**

**By Thomas Yoon**

**Easy Way to Troubleshoot Pump Problems by Thomas Yoon**

In any problem analysis, we have to specify the problem, check whether there is any deviation from the normal condition, identify the possible causes, evaluate the possible causes and then confirm the true cause.

Pumps or other machinery will give tell tale signs when they are not working properly. An observant pump user will be able to avoid major breakdowns or damage if the problem is corrected early.

In order to solve any pump problem, we need to notice the symptoms carefully so as to determine the most likely causes. Instruments like pressure gauges are very helpful and should be installed in the pumping system.

Very often we do have to rely on our 5 senses to pinpoint the exact symptom. Normally, pump problems can be classified into Suction Related, System Related, or Mechanical Related. It can also be a combination of these.

Most of the system related problems occur because of design flaw. For example, the designer may have chosen the wrong pump whose characteristic does not match the system requirement. Suction related problems are usually caused by air lock that are due to a variety of reasons...

The effects of mechanical related problems could manifest themselves as suction related problems – air leaks in the system, worn out impellers, and mouth rings – but the most common symptom is the presence of vibration and abnormal noise in the equipment.

## Easy Way to Troubleshoot Pump Problems

DiagnoPump, pump troubleshooter has been created for pump users and sellers to help them find the solution quickly. Arranged so that the easiest (and often overlooked) causes are examined first, it could be a very useful tool.

If you are a beginner, you can start the troubleshooting from the very first steps. More experienced users may want to start from the later stages in the symptom list. The symptoms have been identified to make it easy to zero in on the correct ones. The symptoms have been arranged as:

1. No Flow, No Pressure – No water delivered at all
2. Low Flow and Low Pressure – Pump does not deliver sufficient water or Pump does not deliver water after some time or Insufficient pressure developed
3. Short Lifespan of Shaft Seal or Packing – Shaft seal or Gland Packing does not last long
4. Short Lifespan of Bearings, Noisy Operation – Bearings do not last long or Vibration and noisy operation or Overheating of parts or Seizure of bearings
5. Pump Trips – Pump stops by itself or Excessive power consumption

With this easy pump troubleshooter, anyone could easily pinpoint the causes in a very short time. The pump troubleshooter can be downloaded for FREE at <http://www.free-marine.com/diagnoppad.htm>

The usefulness does not end there – any pump distributor or seller can also make use of it to sell their own product! They are able to insert their own names and Companies into the FREE software and distribute it to anyone they wish as goodwill.

Attention Pump Professionals! Free Pump Troubleshooter available for download. Very easy to use. Just answer the logical questions by selecting either Yes or No, and you will be able to pinpoint your pump faults quickly. No experience necessary. Ideal for beginners and seasoned professionals alike. Saves valuable time.

Many years of working experience in Marine, Facilities, Construction has given the author material for writing e-books and articles related to engineering, and management.

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## **Tips On How To Choose The Best Pond Pump**

**By Grange Aquatics**

It often comes as a surprise to the budding pond enthusiast but the simple fact about owning a pond is that pond maintenance is not as simple as many people at first imagine it to be. Below we take a closer look at how to make sure that you get the best pump for your pond.

There are a lot of pond pumps on the market. So, how do you know which pump is the best for your pond? Follow our step by step guide for the answers:

**Pond Pump Size** Before you even visit your local pond specialist or look at pond pumps on the internet, the first thing you need to do is to accurately measure the size of your pond as this will determine how big a pump you will need. Many pond owners prefer to have a larger pump than is necessary and this is something which you should discuss with the pond specialist shop when you tell them the size of your pond.

**Pond Features** Another aspect of choosing the correct pond pump will revolve around the amount of pond features such as waterfalls and fountains that your pond has. The higher number of features the higher power pond pump your pond will require. If you have several pond features your pond specialist may even suggest having a separate smaller pond pump for each feature. This will have the advantage of working as a back-up system should any of the pumps fail.

**Pond Pump Features** When it comes to buying the actual pump, make sure that the pump has the recommended amount of biological filtration and that the pump will turn the water over a minimum of twice per 24 hours. Discuss the advantages and disadvantages of each pond pump with the pond specialist before agreeing to purchase the product.

**Pond Pump Maintenance** In order to get the best out of your pond pump you will need to ensure that it is being correctly maintained and care for. You need to check that the pump is working 24 hours a day and clean the pre-filters regularly. The cables attached to the pond pump should also be regularly maintained to ensure that they are not damaged and are performing correctly.

Grange Aquatics have been in business for over 20 years and have a dedicated team of staff on hand to share their expertise. Visit their website



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