



**VERDERFLEX® VERDERAIR® VERDERMAG®**

ISSUE 1 Vol. 4

# Pump Times

In this month's issue of Verder Pump Times, we focus on benefits of Verderflex hoses and the advantages of the supplied gearboxes. We also provide you the penultimate technical tip for suction line sizing, and take a look at the first "mini" peristaltic tube pumps recently supplied by VPSA.

## Highlights:

- Smooth sailing with Verderflex hoses
- Technical Tip - Suction line sizing part 4 of 5
- First mini peristaltic pump supplied by VPSA
- Verderflex all geared up
- Russell Hobbs coffee maker winner announced

## Smooth sailing with Verderflex hoses

As mentioned in our January 2008 issue, often competitor pumps are fitted with our superior hoses to increase their productivity.

We repeatedly encounter customers that that have problems with their pumps' hose life – sometimes even lasting a few days! In most cases, the pump designated to the application has not been adequately selected to perform the duty, or invariably the hoses are not strong enough to withstand the application. This obviously is a huge expense not only in capital outlay to replenish the spares, but also the downtime of the pump (and plant).

Should you have a similar problem, our experienced sales engineers will gladly provide you with a solution and any technical information that you may require to solve your problem.

For example, Botswana Metal Refinery used competitor pumps to pump nickel slurry. Previously, the pumps often broke its rotors and shoes, and hoses only lasted up to 8 days.

Daan Louw, our Sales Manager, discovered that the main problem was the high temperature (65°C), small delivery lines (25m/m) and the pump speed set too high.

Recommendations included to increase the delivery line to 80 m/m, fit an air dome and increase lubricant in casing to 75%.

To date, the plant has not had any further problems with the system. The mechanical engineer at the



Verderflex hose designed to reduce maximum fatigue



refinery maintains that “Verder’s knowledgeable staff solved a problem that could have cost us hundreds of thousands.” Only Verderflex hoses are fitted in the pumps, lasting already to an incredible seven weeks!

“We are extremely happy from the support and service received from Verder Pumps SA,” he concludes.

The enhanced construction of the Verderflex hoses are designed to maximise hose life by optimising the hoses’ fatigue strength, thereby resulting in a long hose service life and ultimately reducing the cost of ownership and downtime of the pump.

We explored how the Verderflex hose is technically better, looked at the manufacturing technology and its limits, as well as other factors that affect hose life. [Click here to refer back to the article.](#)

---

### Technical Tip – Suction line sizing part 4 of 5

We bring you the penultimate installment of the science of the suction line, concentrating on the inlet pressure.

One of the major problems experienced on a hose pump installation, is the correct sizing of the suction line. With this technical series we guide you through the various problems and provide you with the various solutions for each.

[Click here to read part 4 of 5...](#)

---

### First mini peristaltic pump supplied by VPSA

After having survived a fire, the remarkable mini M045 Autoclude pump is still dosing consistently at the powerline transmission insulator material testing chamber, supplied to Pfisterer recently.

[Click here to read more](#)

---

### Verderflex all geared up

At Verder Pumps we like to believe that our customers are supplied with pumps that will enable them to perform their applications without fail. That is why we source only the best accessories to suit the applications, in particular the Verderflex peristaltic hose pump.

[Click here](#) to read up on the gearboxes that are supplied with our range of hose pumps.

---

### Russell Hobbs coffee maker winner

We really were pleased at the response to our Russell Hobbs coffee maker competition – we can clearly deduce that many of you need a good cup of coffee to kick start your day!

The brilliant must-have coffee maker goes to Robert Gardiner of Batemans Boksburg!! Thanks Robert for your support!

To everyone else who entered, thank you for your entries - better luck next time.

---



If you have any recommendations or suggested features you would like us to include in future newsletters, drop us a mail at [info@verder.co.za](mailto:info@verder.co.za)

To unsubscribe from this incredibly informative newsletter, send an e-mail to [info@verder.co.za](mailto:info@verder.co.za) with "Unsubscribe newsletter" in the subject line.

Please make sure that the e-mail address that you want removed is the one that you are sending the e-mail from. If not, please include it in the body of the e-mail.