

March 7, 2006

Press release

## **Laing condensate removal pump TP1 with long-term noiseless operation**

Gas condensation boilers and air conditioning units are being increasingly installed in living areas or in the loft space where it is not possible to drain the resultant condensate directly. Customers are loath to tolerate the noise of machinery in the living areas. Laing have therefore set out in a ground breaking direction. The central component of Laing's new condensate pump is an electronically commutated spherical motor pump. What is special about it? The only moving part of a spherical motor is a round rotor/impeller unit, which sits on an ultra-hard, wear resistant, spherical ceramic bearing. There is no conventional shaft, no shaft bearings or seals. This guarantees durable and long-term quiet operation with never any increase in noise levels. Laing's new condensate pump is delivered with two meters of flex, an alarm output supplied as standard (2 metre cable), an acoustic alarm-signal generator and 6 metres of pressure hose. Moreover it is equipped with a microprocessor controlled, capacitive "reservoir full" indicator which cannot wear out. The alarm output switches off the boiler or the air conditioning unit in the event of interruption. An integrated non-return valve contributes to ease of servicing. Laing's condensate pump is remarkable for its minimal energy use: the power requirement for performance figures of 150l/h with a 4 metre pressure head amounts to just 20 watts, which corresponds to a saving of 75% in comparison to conventional condensate pumps.

"With this innovation, we have managed to incorporate the advantages of the long-term noiseless operation of the spherical motor pump into a new and attractive product in the Sanitary, Heating and Air conditioning market place. Our customers can rely on the fact that our condensate removal unit is at the forefront of technical innovation and suffers no increase in noise levels even after very long periods of operation." says Laing's UK Sales Manager, Robin Pomreinke.

Laing have been working since the beginning of the 50s in research and development concerned with products in the fields of pump and heating

technology. The original Swabian research and development institute has grown, with the second generation, into an international concern with factories and production plants in the USA, Japan, Germany and Hungary, employing almost 500 people world wide. At the same time, Laing are also successfully involved outside the sanitation, heating and air-conditioning sector, like for a new circulation pump which forms the heart of a water cooling system for computers.

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## Company profile

Foundation	Family enterprise since 1950
Management board	Oliver Laing, Karsten Laing, Birger Laing
Group of companies	<p>Laing Holding GmbH located in Remseck, Germany <a href="http://www.laing.eu">www.laing.eu</a></p> <p>Laing GmbH Systeme für Wärmetechnik located in Remseck, Germany <a href="http://www.laing.de">www.laing.de</a></p> <p>Laing Thermotech, Inc. located in San Diego, U.S.A. <a href="http://www.lainginc.com">www.lainginc.com</a></p> <p>Laing Szivattyú Kft. located in Cegléd, Hungary <a href="http://www.laing.hu">www.laing.hu</a></p> <p>Laing Pump K.K. located in Osaka, Japan <a href="http://www.laingpump.co.jp">www.laingpump.co.jp</a></p>
Employees	Worldwide approx. 500 employees
Product range	<ul style="list-style-type: none"><li>· Pumps</li><li>· Mixing modules and heat exchangers for underfloor heating</li><li>· Electrical heaters</li><li>· Control units</li><li>· Special products and OEM versions</li></ul>

### About us

Laing have been working since the beginning of the 50s in research and development concerned with products in the fields of pump and heating technology. The original Swabian research and development institute has grown today into an international concern with factories and production plants in the USA, Japan, Germany and Hungary and employs almost 500 people world wide. Today, the product range consists of shaftless spherical motor pumps invented by Laing, mixing modules and heat exchangers for underfloor heating, electrical heaters and control units.

Further information can be found on <http://www.laing.de/eng/company>