

July 5th 2005

## IMPORTANT SAFETY INFORMATION



Dear Customer / Safety Officer,

### **Safety Concern – E2M0.7, E2M1 and E2M1.5 Series Rotary Vane Pump Motor Capacitors**

We are writing to you with important information on a safety improvement to Edwards E2M0.7, E2M1 and E2M1.5 rotary vane vacuum pumps. Edwards has become aware that a small number of the motor capacitors on this type of pump have failed in use causing fire damage to the pump motor and, possibly, surrounding equipment.

We believe you have one of these pumps and a capacitor retrofit may be required to ensure the highest level of operational safety.

This capacitor upgrade is needed for any pump that is fitted with either a plastic-cased motor capacitor or a metal-cased capacitor with a plastic electrical connector. The pictures below should allow you to identify whether your pump needs a capacitor retrofit or not but if you are in any doubt please visit our website at [www.bocedwards.com/service/em](http://www.bocedwards.com/service/em) which gives more details.

We believe the fastest way to eliminate any risk and the best way to minimise your disruption is to send you an upgrade kit so that you can replace the original capacitor with the capacitor supplied in the kit. The replacement capacitor is simple to fit and is supplied free of charge by Edwards. It comes with full instructions and all the material you need to perform the upgrade. Using a qualified electrician or technician and simple hand tools the capacitor can be changed in about 15 minutes.

**RETROFIT REQUIRED**



100-120 Volt standard pump  
original plastic-cased capacitor



200-240 Volt standard pump  
original plastic-cased capacitor



Hewlett Packard GC-MS pump  
original capacitor with plastic connector

**NO ACTION REQUIRED**



100-120 Volt standard pump  
replacement metal-cased capacitor



200-240 Volt standard pump  
replacement metal-cased capacitor



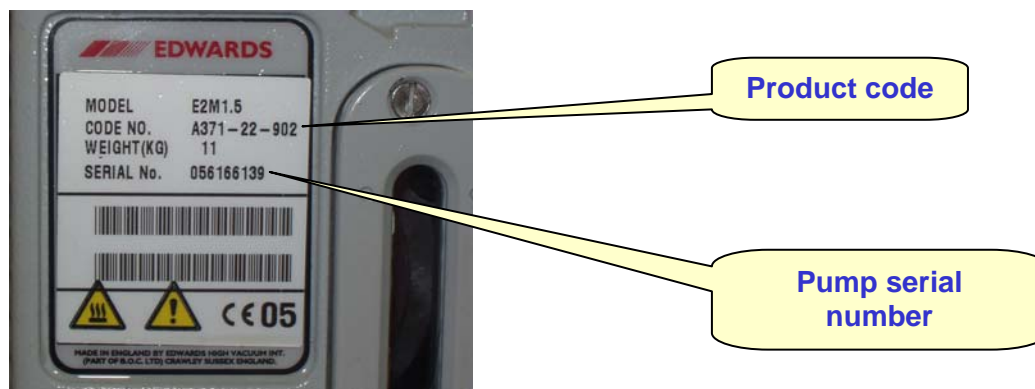
Pre-1994 manufactured pump  
metal-cased capacitor



Hewlett Packard GC-MS pump  
replacement capacitor with metal connector

If you have any of the above pumps with a plastic-cased capacitor or a metal-cased capacitor with a plastic electrical connector then a new capacitor must be fitted. To minimise risk of fire you must replace the capacitor or pump as soon as possible. You should also ensure there is no combustible material in the vicinity of the pump and only continue to operate the pump when attended until the pump is upgraded.

In order for us to send you the correct retrofit kit we will need to know the pump code number and serial number. These are both visible on the pump oil box label.



If you have a pump that needs a retrofit, please contact us with the pump code number and serial number and we will arrange to send you the appropriate retrofit kit. You can contact us via our website, [www.bocedwards.com/service/em](http://www.bocedwards.com/service/em), which will take you through the process of checking to see if your pump requires a retrofit and, if it does, will allow you to request delivery of a kit on-line. Alternatively, you can call your local BOC Edwards office (contact numbers are also available on the website).

We are sorry for any disruption and appreciate your time in inspecting and upgrading any relevant products. If you are unclear about any aspect of these instructions, or require any additional information, please do not hesitate to contact us.

Yours sincerely

Dr Stephen E Ormrod

Director, Business Development