

Wednesday Afternoon, October 17, 2007

Exhibitor Workshops

Room: Exhibit Hall - Session EW-WeA

Exhibitor Workshops

Moderator: R. Childs, Consultant

3:20pm EW-WeA6 New Small Dry Vacuum Pump for Scientific and Industrial Applications, S. Palmer, K. Caldwell, Varian, Inc.

The IDP-3 is a compact, high performance dry pump that provides affordable oil-free vacuum and easy system integration, and is suitable for a wide variety of applications. The IDP-3 employs an innovative hermetic design in which the motor and bearings are outside the vacuum space, allowing full isolation of all pumped gases. Delivering a robust pumping speed of 60 l/m and a very low base pressure of less than 250 milliTorr, the IDP-3 provides all the advantages of Varian's patented scroll pump technology in a compact, lightweight, cost-effective package.

3:40pm EW-WeA7 Preventing The 10 Most Costly Mistakes in Vacuum Pump Operation, C. Long, FMG Enterprises

Most pump failures are not caused by the pump. They are usually caused by the tool, facilities, or poor maintenance. This short-course is a must for anyone who wants to avoid such costly mistakes. It will be taught from the perspective of a pump owner that wants to reduce overall pump operating expense. Participants will leave with a check-list, and valuable insights relative to each point. As the result of following course recommendations, participants will be able to raise the uptime available on that pump, and also be able to plan ahead of time when the pump will need to be replaced. This will greatly lower the cost of lost product for the pump owner. We will also briefly discuss: - How to choose the correct pump for the application, - What to do during the installation of the pump, - What to look for, and do while the pump is running, - When, and what PM's will need to be done to the pumps, - How to determine when a pump should be pulled for maintenance, repair or replacement, And finally why the pump owner should use FMG to maintain their pumps. What FMG can do for you and how FMG can save your company money. How FMG can partner up with your company and allow your company to concentrate on what it does best. Sample Content: 1. Improper lubrication 2. Incorrect exhaust settings 3. Unsuitable temperatures 4. Failure to properly leak-check the system 5. Oil levels and color 6. Untimely or incomplete maintenance 7. Cooling water flow-rates 8. Misaligned O-rings 9. Wrong pump or blower for the application. 10. Not using Certified pumps and technicians

Authors Index

Bold page numbers indicate the presenter

— C —

Caldwell, K.: EW-WeA6, **1**

— L —

Long, C.: EW-WeA7, **1**

— P —

Palmer, S.: EW-WeA6, **1**