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Pump and Compressor Engineers Seals Guide

For pump and compressor engineers looking for a handy guide to selecting elastomer o-rings and seals, Precision Polymer Engineering (PPE) has published 'High Performance Sealing Solutions for Pumps and Compressors'.

The guide is the outcome of PPE's popular one-day, training courses on 'Elastomer Technology and Seal Design for Critical Sealing Applications' held over the past two years. It both compliments the course content, and reflects many of the issues raised by pump design and maintenance engineers, and purchasing and quality managers when selecting seals.

Seal selection best practice is based on an appreciation of the importance of choosing the right elastomer material for the prevailing physical and chemical conditions, and optimising the seal design to focus on the material's inherent strengths. In this way the seal's performance is maximised.

The guide includes elastomer seals materials and common seal designs, and how these relate to reliable pump and compressor operation. Over half the guide covers typical sealing requirements encountered in industries as diverse as food and beverage pumps, chemical and pharmaceutical processing, oil and gas pumps and compressors through to large power plant pumps. The strengths and weaknesses of each elastomer type are reviewed and guidance given on steam, chemical, oil and explosive decompression resistance, and compliance to regulatory standards such as FDA approval.

The Pump and Compressor seals guide also includes a seal checklist of the information engineers should expect to provide when procuring their seals.

For a copy of the 'High Performance Sealing Solutions for Pumps and Compressors', and details of forthcoming 'Elastomer Technology and Seal Design' training courses, contact Donna Maskell on 01254 295400 and e-mail: donna.maskell@prepol.com.

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