



Abstract

Session 32: Pulsations & Vibrations I

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Title

32-2: Optimizing the Pulsation Control Solution

Summary

Reciprocating compressors require pulsation control to avoid large unbalanced acoustical forces. A pulsation analysis (per API 618) will recommend a pulsation control solution, based on the operating conditions, speed range, and other operating factors. Given these different issues, there are many possible solutions – each with a different result in terms of upfront and operating cost, pulsation reduction, and operating risk.

Owners and packagers are becoming more interested in an optimized pulsation design. This paper presents case studies and design ideas on how to optimize the pulsation control solution. These examples illustrate the significant cost savings and operational benefits available to the industry.

Referring to the following subjects: Pulsations and Vibrations.