

# Pulsation Analysis from Spectrum Fluid Dynamics



Spectrum Fluid Dynamics is a world leader in the provision of pulsation analysis and dampener design services. Over the last 25 years, simulations and site measurements have been undertaken for all the world's main compressor manufacturers, and many of the leading engineering contractors and oil companies – a total of over 550 studies.

The majority of pulsation studies carried out worldwide follow the requirements detailed in API Standard 618: Reciprocating Compressors for Petroleum, Chemical and Gas Industry Services.

The work we undertake typically includes:

- Pulsation Studies in accordance with API 618, including the recent 5th edition of the standard.
- Acoustic pulsation studies using Spectrum's well-established PIPAC® software.
- Mechanical studies of the compressors, their pipework and support structures using the ANSYS finite element software.
- Design of Pulsation Dampeners.
- Worldwide on-site trouble shooting of pulsation induced problems in existing installations, including measurement of pipework vibration and pulsation levels.

For more information or to receive a quote, email us at [enquiries@spectrumacoustic.com](mailto:enquiries@spectrumacoustic.com)

For lists of our completed Pulsation Analysis projects, click on the link below:

**[Spectrum's Pulsation Analysis Projects](#)**



**Spectrum Acoustic Consultants**

27-29 High Street  
Biggleswade  
Bedfordshire  
SG18 0JE. UK

tel. +44 (0)1767 318871  
fax. +44 (0)1767 317704

[www.spectrumacoustic.com](http://www.spectrumacoustic.com)