CEC-ICMC 2015 - Timetable, Abstracts and Presentations



Contribution ID: 33

Type: Contributed Oral Presentation

Development of an oil-free compressor for GM and pulse tube cryocoolers

Monday 29 June 2015 11:45 (15 minutes)

Pressure Wave Systems GmbH has developed an oil-free compressor for GM and pulse tube cryocoolers. The concept is based on hydraulically driven metall bellows which compress the Helium working gas. The system has 1kW of electrical input power and has been successfully tested with a SHI SRDK-101D GM cryocooler cold head.

Set-up, performance and reliability of the compressor system will be discussed.

Author: Dr HÖHNE, Jens (Pressure Wave Systems GmbH)
Presenter: Dr HÖHNE, Jens (Pressure Wave Systems GmbH)
Session Classification: C1OrC - Compressors & Expanders

Track Classification: CEC-05 - Expanders, Pumps, Compressors, and Regenerators