

News of November 18, 2021

Burckhardt Compression has launched an oil-free hydrogen compressor solution for 550 bar discharge pressure and high mass flows

The large high-pressure piston compressor solutions are specifically designed for hydrogen trailer filling and fuel stations with high mass flows. They are designed for mass flows above 150 kg/h, helping to reduce the required number of deployed compressors per hydrogen trailer filling or fuel station.

The high-pressure hydrogen compressor has been developed and successfully tested at Burckhardt Compression's in-house testing facility in Switzerland. During these tests, the critical components, oil-free high-pressure piston sealing and packings, have proven their mechanical and sealing performance at 550 bar discharge pressure. The optimized configuration has been selected and the durability tests to prove competitive wear rates are ongoing.

With this milestone in the development of oil-free high-pressure piston compressor sealing technology, Burckhardt Compression will be able to support the hydrogen economy to scale up the volumes in hydrogen trailer filling and fuel stations in the most cost-efficient way over the installation's lifetime.

Further information:

Saskia Rusch, Head of Corporate Communications & Branding

Tel.: +41 52 261 57 81

saskia.rusch@burckhardtcompression.com

About Burckhardt Compression

Burckhardt Compression is the worldwide market leader for reciprocating compressor systems, and the only manufacturer and service provider that covers a full range of reciprocating compressor technologies and services. Its customized compressor systems are used in the gas gathering and processing, gas transport and storage, refinery, chemical, petrochemical as well as in the industrial gas and hydrogen mobility and energy sectors. Burckhardt Compression's leading technology, broad portfolio of compressor components and the full range of services help customers around the world to find the optimized solution for their reciprocating compressor systems. Since 1844 its highly skilled workforce has crafted superior solutions and set the benchmark in the gas compression industry.

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Further information at:

www.burckhardtcompression.com
