FISCHER Compressor AG
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Press release: FISCHER Compressor AG presents new compressor solutions for natural refrigerants at Chillventa 2026

FISCHER Compressor AG will present two new compressor solutions for natural refrigerants at Chillventa 2026: a new compressor for **propane (R290)** and the **Ultra Cool** compressor technology for **air (R729)**.

With these new developments, FISCHER is transferring its many years of experience in high-speed, oil-free turbocompressors to refrigeration and heat pump applications. The focus is on high efficiency, oil-free operation and the use of natural refrigerants.

R290 – Oil-free compressor technology for propane



With its new R290 compressor, FISCHER is expanding its portfolio with a solution for propane as a natural refrigerant. The technology is designed to meet the specific requirements of modern refrigeration and heat pump systems, combining the advantages of the natural refrigerant R290 with FISCHER's high-speed compressor technology.
The compressors operate completely oil-free, offer continuously variable speed control and generate no structure-borne noise.

Ultra Cool – Air (R729) as a refrigerant



Based on the validated platform of its air compressors for fuel cell applications, FISCHER is also presenting a compressor solution for systems using **air (R729)** as a refrigerant. The technology addresses applications in which natural refrigerants, ultra-low temperatures and a completely oil-free process are key requirements.
With FISCHER compressors, temperatures as low as **–160°C** can be achieved.

"With R290 and R729, we are demonstrating at Chillventa how we are transferring more than 20 years of experience in high-speed turbocompressors to new refrigeration applications," says Jens Krechting, Head of Sales and Member of the Executive Management Team. "Our goal is to provide efficient and reliable compressor solutions for natural refrigerants."

The new compressors will be presented for the first time at **Chillventa 2026 in Nuremberg**.

About Fischer Compressor AG:

FISCHER Compressor AG (FCAG), headquartered in Herzogenbuchsee, Switzerland, is a technology leader in the field of gas-bearing turbocompressors and is part of FISCHER Spindle Group AG. Based on its patented spiral-groove bearing technology, the company offers a high-tech product portfolio and plays a key role as a technology partner to leading companies worldwide.

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Refrigeration and air-conditioning technology are an integral part of everyday life. With its innovative compressor technology, FISCHER contributes to achieving sustainability goals and enabling efficient solutions for future refrigeration applications.

For further information, please use the contact form on the Fischer Compressor website: www.fischer-compressor.com