

Gas Compression

seracompressors & systems

Gas compression for hydrogen, sensitive gases and industrial applications.

Explore metal diaphragm compressors, dry-running piston compressors and integrated hydrogen compressor systems.



Metal diaphragm compressors

For sensitive and valuable gases where purity and containment matter. The diaphragm separates the gas chamber from the lubricated drive, preventing lubricant and particle contamination.

Dry-running piston compressors

The AG series is a two-stage, air-cooled compressor developed for hydrogen 5.0. Applications include decentralised energy supply and hydrogen storage.



Clean Compression

Metal diaphragm technology keeps lubricants and particles out of the gas chamber. Materials in contact with the gas can be selected to suit the medium.



Application Flexibility

From microelectronics and technical gases to chemical processes, research and renewable energy. Compressor selection depends on the gas and operating conditions.



Service & Support

sera services include installation, commissioning, technical support, maintenance, overhaul, training and spare parts supply.

Contact us



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Choose the right compressor



Metal diaphragm compressor



AG series piston compressor

At a glance	Metal diaphragm	AG series piston
Compression principle	Diaphragm separates gas and lubricated drive	Dry-running, two-stage piston
Gas & applications	Sensitive gases; microelectronics and technical gases	Hydrogen 5.0; energy storage
Inlet pressure	Application-specific selection	25-30 bar(g)
Max. outlet pressure	Application-specific selection	300 bar(g)
Cooling	Configuration-dependent	Air-cooled
Published delivery rate	Application-specific selection	≥ 2.0 Nm ³ /h at 30 to 300 bar(g)

Hydrogen compressor systems

- Modular Energy System (MES)
- Compact Compressor Solution (CCS)
- Smart Refuelling Station (SRS)



Product information & images: sera GmbH · sera-web.com/en/gases/products
 AG series data: sera-web.com/en/gases/products/compressors/dry-running-piston-compressor

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