

TWO-STAGE, WATER-COOLED COMPRESSOR

TRZ 1000

The new compressor TRZ 1000 – since decades, a systematic further development of proven Mehreer dry-running compressors:

- completely oil-free compression of process gas
- energy-efficient belt or direct drive
- vertical, space-saving design
- very smooth running
- minimal life-cycle-costs
- suitable for all neutral, inert and many flammable, aggressive and toxic gases



Our strengths

- Completely oil-free compression
- Compact vertical design
- High efficiency
- High availability
- Delivery of compressor units or “plug and play” compressor systems – mass flow approx. until 370 scfm
- Proven, reliable branded product
- Short delivery times
- Worldwide service

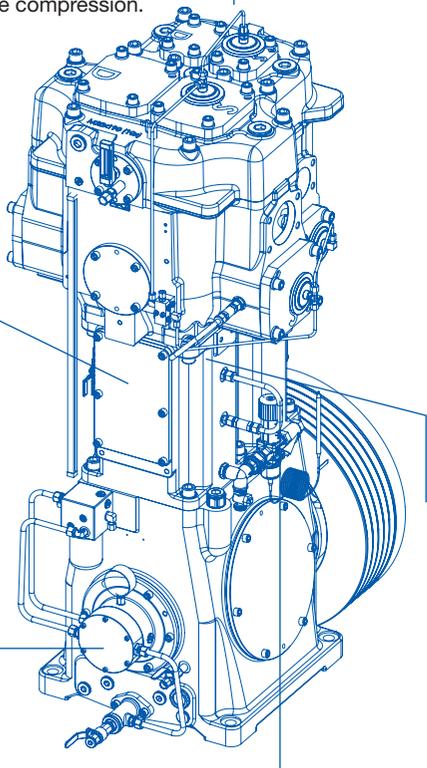
* CO₂; higher volume flow upon request

CYLINDER BLOCK

Due to the modular design of the cylinder block, the compressor can be adapted according to its compression requirements.

DISTANCE PIECE

The distance piece is the key to oil-free compression.



CRANK GEAR

Our robust crank gear ensures high availability of the system through the crosshead design.

LEAKAGE AND PURGE GAS CONNECTIONS

Due to the built-in connections, the compressor can be purged with inert gases. This allows also corrosive gases (e.g. high H₂S content) to be compressed.

Your benefits

- Clean carbon dioxide
- No complex & expensive cleaning procedure
- Highest production and process reliability
- Minimal production space requirement
- Easy maintenance
- Low energy costs
- No production losses
- Scope of supply that is customized to the application
- Long lifetime
- Cost savings due to shortened project life span
- Prevention of unscheduled production shutdowns

Technical Data

Series	TRZ 1000
Description	2-stage, double-acting
Max. compression ratio per stage	1 : 5,5
Max. suction pressure	28 psia
Max. final pressure*	370 psia
Stroke volume per crank revolution	1336 in ³
Max. drive power on the shaft	170 hp
Speed range	380 – 940 rpm
Arrangement of the cylinders	Series
Type of drive	Belt/Direct Drive
Compression of toxic and flammable gases	Possible
Compressor cooling	Water-cooled

* Relieve pressure safety valve, operating pressure max. = 0,9 x max. final pressure

GAS GLAND

This assembly separates the gas section of the compressor from the drive section. It prevents gas from the compression space from getting into the distance piece. The gas gland is designed according to the application.

Get in touch with us!

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