

SINGLE- AND TWO-STAGE, AIR-COOLED COMPRESSORS

Series TRx 200 and TRx 300

TRx 200 and TRx 300 compressors are used primarily in the following sectors:

Environment

Special Engineering

Petrochemistry

Chemistry



Compressors in the TRx 200 and TRx 300 model series are available in single- and two-stage designs. The series is a systematic advancement of our proven TEL- and TZL-series. The machines are developed as process gas machines and thus perfectly suitable for the compression of toxic and flammable gases. Since they are air-cooled, these compressors can also be used where there is no cooling water available.

The most important advantages:

- 100 % oil-free compression without the use of filters
- Air-cooled piston compressor
- Low maintenance
- Durable
- Efficient
- Robust
- Risk assessment according to DIN EN ISO 12100

OUR EXPERIENCE – YOUR BENEFITS

Technical data

| Series | TRE 200 | TRZ 200 | TRE 300 | TRZ 300 |
|--|------------------------|------------------------|------------------------|------------------------|
| Description | 1-stage, single-acting | 2-stage, single-acting | 1-stage, single-acting | 2-stage, single-acting |
| Max. compression ratio per stage | 1:6 | 1:5.5 | 1:6 | 1:5.5 |
| Max. suction pressure | 16 bara | 7 bara | 31 bara | 11 bara |
| Max. final pressure* | 16 bara | 26 bara | 31 bara | 31 bara |
| Stroke volume per 1 crank revolution | 707 ccm | 481 ccm | 1900 ccm | 1659 ccm |
| Max. drive power on the shaft | 5 kW | 5 kW | 10 kW | 10 kW |
| Speed range | 380 - 750 rpm |
| Arrangement of the cylinders | Series | Series | Series | Series |
| Type of drive | Belt driven | Belt driven | Belt driven | Belt driven |
| Compression of toxic and flammable gases | Possible | Possible | Possible | Possible |
| Compressor cooling | Air-cooled | Air-cooled | Air-cooled | Air-cooled |

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

CYLINDER BLOCK

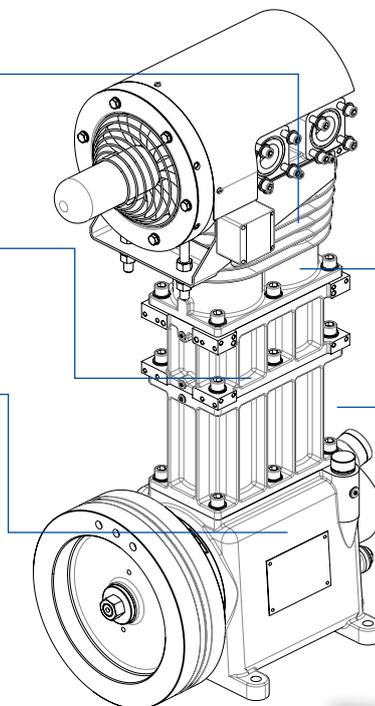
Due to the modular design of the cylinder block, the compressor can be adapted according to its compression requirements.

LANTERN

The lantern is the key to oil-free compression.

CRANK GEAR

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



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 lantern. The gas gland is designed according to the application.

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.

Get in touch with us!

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