

Food & Beverages

Chemistry

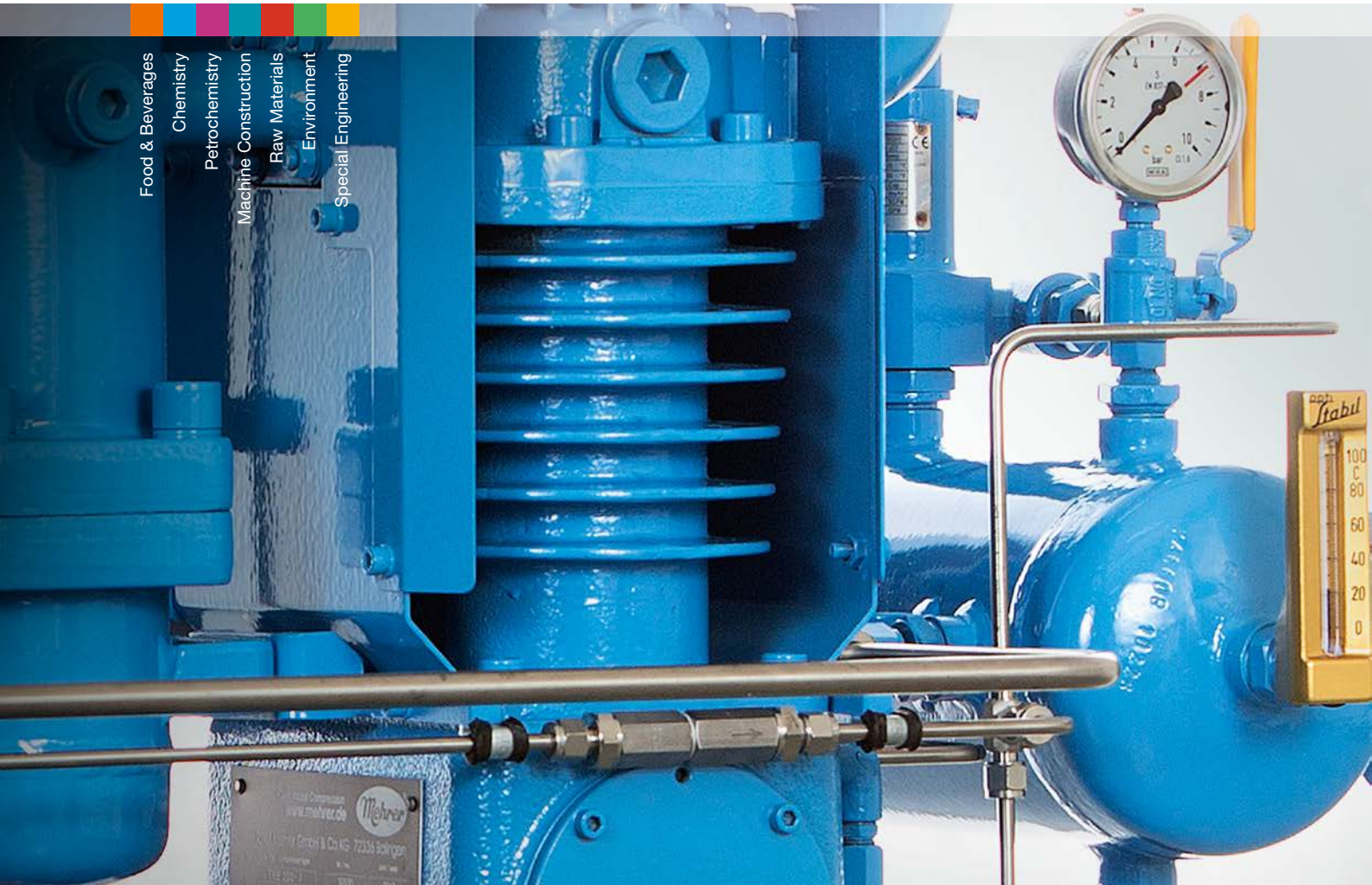
Petrochemistry

Machine Construction

Raw Materials

Environment

Special Engineering



Single- and Two-Stage, Air-Cooled Compressors SERIES TRx 200 AND TRx 300

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.

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

- Environment
- Special Engineering
- Petrochemistry
- Chemistry

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 ($\psi = 360^\circ$)	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	380 - 750 rpm	380 - 750 rpm	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

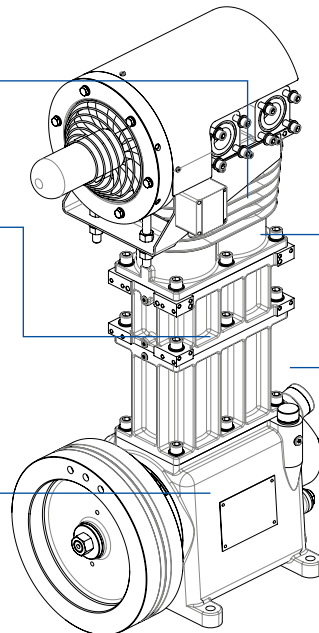
Due to the modular design of the cylinder block, the compressor can be adapted according to its compression requirements.

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.

YOUR CONTACT PERSON:

Mehrer Compression GmbH

Rosenfelder Str. 35 · 72336 Balingen · Germany

Phone +49 (0)7433 2605-0 · Fax +49 (0)7433 2605-41

www.mehrer.de · info@mehrer.de