



Air-Cooled Compressors TZL 40, TEL 80

The single-stage TEL 80 and two-stage TZL 40 are air-cooled compressors and thus can be operated without cooling-water. These compressors are used when absolutely oil-free compression of difficult to compress gases is required. A specific application of TEL 80 is decanting of LPG. Mehre's vertical compressor design is space saving. TEL 80 and TZL 40 can be operated with pre-pressure and frequency controlled working speed.

TEL 80 and TZL 40 compressors are used primarily in the following sectors:

- Environment
- Petrochemistry
- Food & Beverages
- Raw Materials
- Special Engineering
- Chemistry
- Machine Construction

The most important advantages:

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

Our Experience – YOUR BENEFITS

■ Technical data

Series	TZL 40	TEL 80
Description	2-stage, single-acting	1-stage, single-acting
Max. compression ratio per stage	1:5.5	1:7
Max. suction pressure	6 bara	26 bara
Max. final pressure*	22 bara	26 bara
Stroke volume per 1 crank revolution ($\psi = 360^\circ$)	2 157 ccm	3 451 ccm
Max. drive power on the shaft	11 kW	22 kW
Speed range	480 - 700 rpm	400 - 735 rpm
Arrangement of the cylinders	Series	Series
Type of drive	Belt driven	Belt driven
Compression of toxic and flammable gases	Possible	Possible
Compressor cooling	Air-cooled	Air-cooled

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

CYLINDER BLOCK

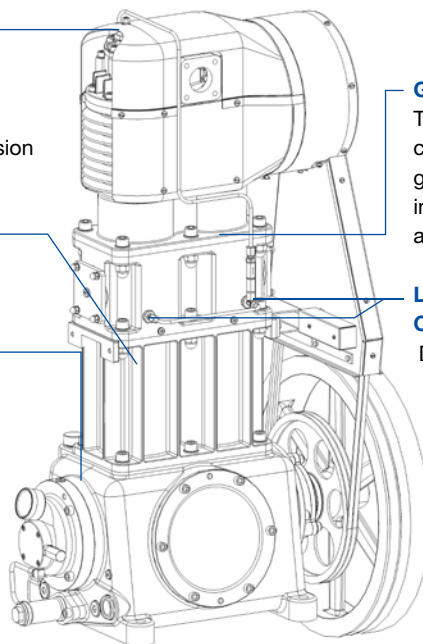
Due to the modular design of the cylinder block, the compressor can be adapted according to its compression requirements.

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:

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