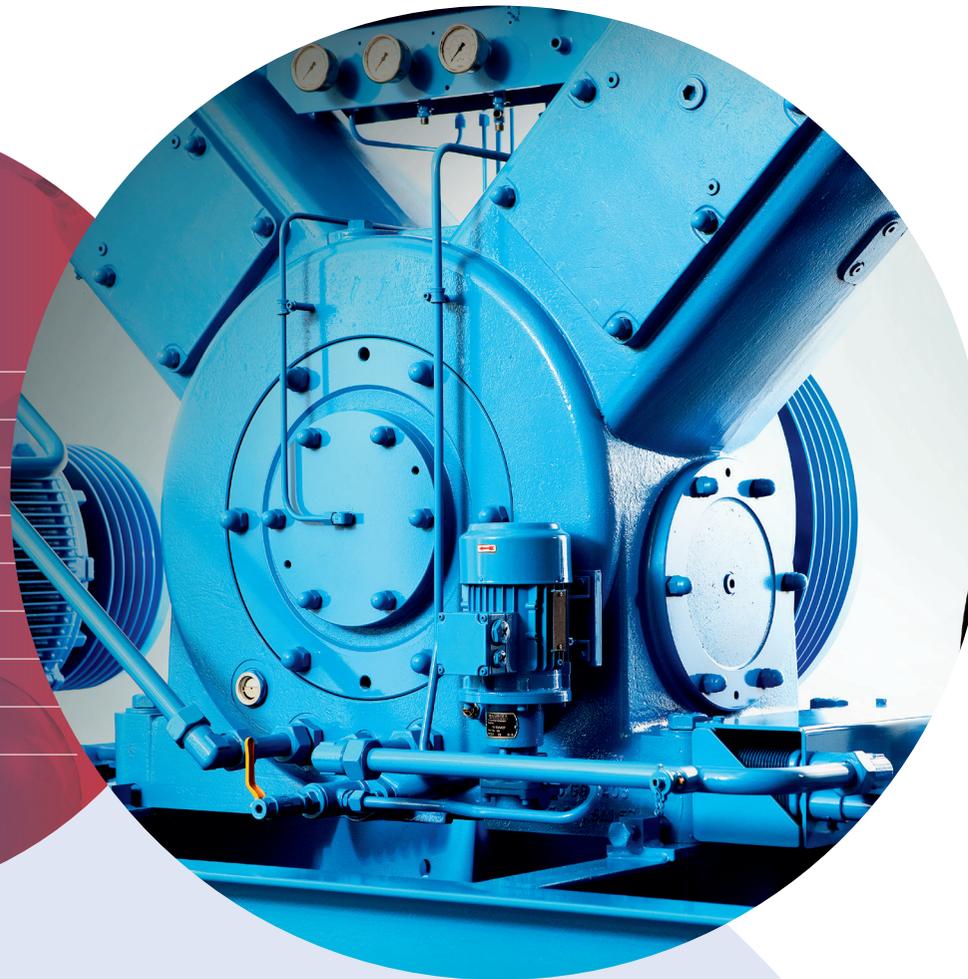


MULTI-STAGE, WATER-COOLED COMPRESSORS

Series TVx 900

TVx 900 compressors are used primarily in the following sectors:

Biogas
Carbon Capture
Chemistry
Environment
Food & Beverages
Machine Construction
Petrochemistry
Special Engineering



Compressors in the TVx 900 model series are available in single, two and three-stage designs. A booster version is also available in this series to further increase pre-compressed gas pressure. Compressors in this series are used throughout the process gas industry. They are developed to reliably handle complex gas applications.

The most important advantages:

- 100 % oil-free compression without the use of filters
- Water-cooled
- Contains cylinder liners
- Easy maintenance
- Durable
- Efficient
- Risk assessment according to DIN EN ISO 12100

OUR EXPERIENCE – YOUR BENEFITS

Technical data

| Series Description | TVE 900 1-stage, double-acting | TVZ 900 2-stage, double-acting | TVB 900 1-stage, double-acting | TVD 900 3-stage, double-acting |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Max. compression ratio per stage | 1:6 | 1:6 | 1:6 | 1:6 |
| Max. suction pressure | 85 psia | 920 psia | 920 psia | 28 psia |
| Max. final pressure* | 160 psia | 920 psia | 920 psia | 920 psia |
| Stroke volume per crank revolution | 2711 in ³ | 2057 in ³ | 588 in ³ | 1689 in ³ |
| Max. drive power on the shaft | 270 hp | 270 hp | 270 hp | 270 hp |
| Speed range | 380–1100 rpm | 380–1100 rpm | 380–1100 rpm | 380–1100 rpm |
| Arrangement of the cylinders | V-form | V-form | V-form | V-form |
| Type of drive | Belt driven or direct drive | Belt driven or direct drive | Belt driven or direct drive | Belt driven or direct drive |
| Compression of toxic and flammable gases | Possible | Possible | Possible | Possible |
| Compressor cooling | Water-cooled | Water-cooled | Water-cooled | Water-cooled |

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

CYLINDER BLOCK

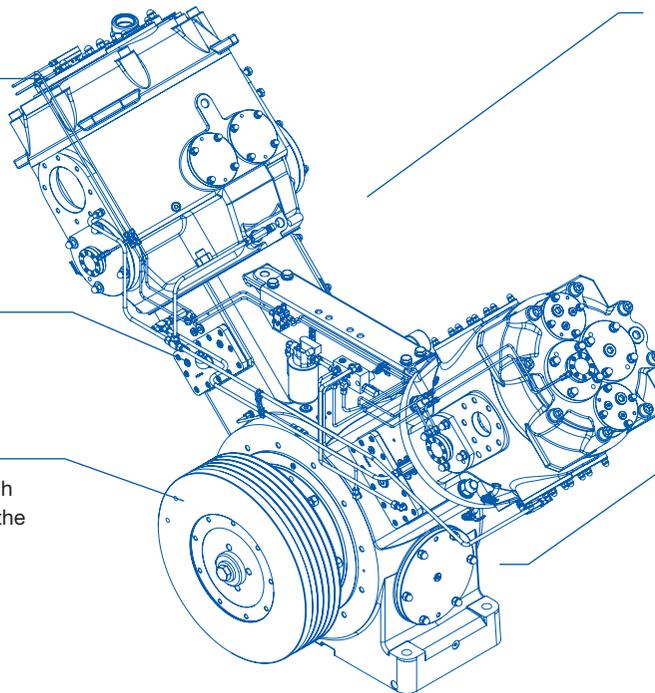
Due to the modular design of the cylinder block, the compressor can be adapted according to its compression requirements.

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.



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.

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.



processes' applications
www.mehrerpa.com

Get in touch with us!

Mehrer Compression PA, LP
Website: www.mehrerpa.com

Email to contact: Sales@mehrerpa.com
Phone number: 470-657-2013