

# MULTI-STAGE, WATER-COOLED COMPRESSORS

## Series TVx 900

TVx 900 compressors are used primarily in the following sectors:

Environment

Special Engineering

Petrochemistry

Chemistry

Food & Beverages

Machine Construction

Raw Materials



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. Compressors in this series are used in the process gas industry. They are developed to compress technically complex gases reliably.

### The most important advantages:

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

# OUR EXPERIENCE – YOUR BENEFITS

## Technical data

Series	TVE 900	TVZ 900	TVB 900	TVD 900
Description	1-stage, double-acting	2-stage, double-acting	1-stage, double-acting	3-stage, double-acting
Max. compression ratio per stage	1:6	1:5.5	1:5	1:5.5
Max. suction pressure	17 bara	65 bara	65 bara	17 bara
Max. final pressure*	17 bara	65 bara	65 bara	64 bara
Stroke volume per 1 crank revolution	44 437 ccm	33 724 ccm	9 637 ccm	27 686 ccm
Max. drive power on the shaft	200 kW	200 kW	200 kW	200 kW
Speed range	380 - 990 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

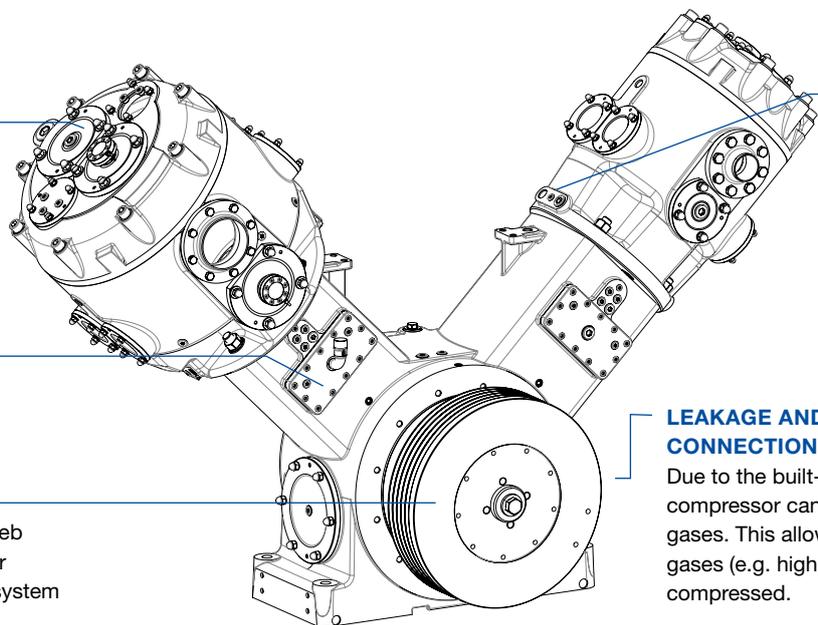
Due to the modular design of the cylinder block, the compressor can be adapted according to its compression requirements.

### LANTERN

The lantern is the key to oil-free compression.

### CRANK GEAR

Unser extrem robuster Kurbeltrieb  
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 H<sub>2</sub>S content) to be compressed.

## Get in touch with us!

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