

# TWISTER

...like a hurricane!



# The **TWiSTER** - Overview of advantages



## **MAINTENANCE-FREE**

...ready to go – after installation immediately fit for use

Preset tension enables the use immediately.



## **LOW OPERATION TEMPERATURE**

...gets "cool" to work

Rubbing causes heat and that influences the rubber of the stator negatively. Therefore it is important to reduce the heat in the stator through a suitable rubber compound and a fast heat dissipation.



## **PRESSURE ROBUST**

...withstands every pressure

The constant rubber wall thickness of the stator guarantees a consistent rubber demand and a continuous output over a wide pressure range.



## **LONG LIFETIME**

...runs and runs and runs

The rotor with the highest resistance to wear in the market with extremely high chrome-/carbide share. Through hardened full material guarantees the high wear resistance also after a long run time.

- 1 Steel edges support the rubber and act against a deformation of the geometry under pressure.

**Provide the pressure stability and a long lifetime.**

- 2 A smaller wall thickness and a larger surface lead the stator heat off. **The lower temperature in the stator increases the lifetime.**

- 3 The antirotation lock provides security and serves as assembly aid.



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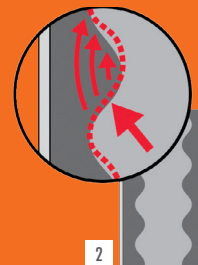
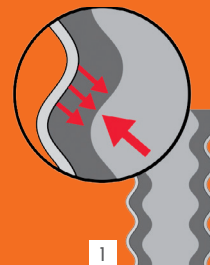
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## **PRESSURE STABILITY**

**TWiSTER** perfect curves put the correct pressure



- 1 **TWiSTER construction form**

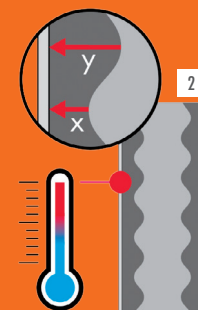
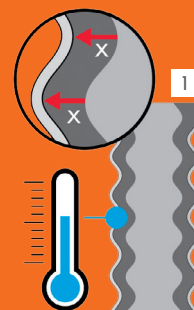
Steel flanks support the rubber and prevent deformation under pressure.

- 2 **Cylindrical construction form**

Deformation in the rubber leads to increased wear and reduces faster the pressure stability = holding pressure in the chambers, it comes to reflux in the stator.

## **OPERATING TEMPERATURE**

Rubbing causes heat and that influences the rubber of the stator negatively. Therefore it is important that the heat in the stator will be reduced by a suitable rubber compound and a rapid heat removal.



- 1 **TWiSTER construction form**

Lower wall thickness and larger surface better discharge the heat in the stator.

- 2 **Cylindrical construction form**

Irregular rubber thicknesses prevent a rapid heat removal.