



# Life Loaded Seals

METAX technology is the key to long-term reliable operation

Applicable for heat exchangers, steam tanks, air coolers, standard flanges and valves



**DIE DICHTUNG.**

Superior technology

# Flange Sealing Systems

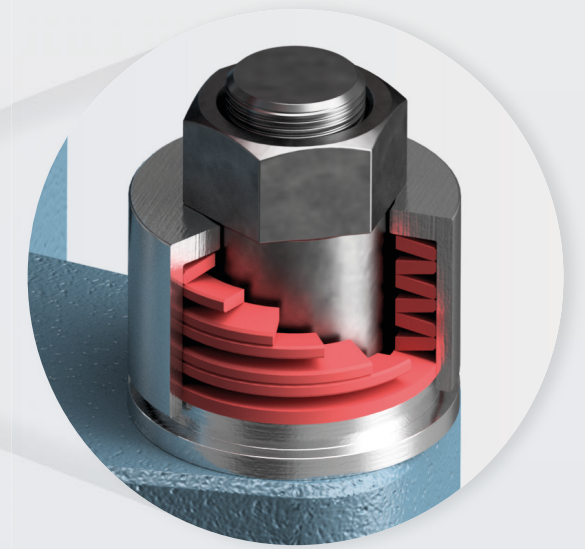
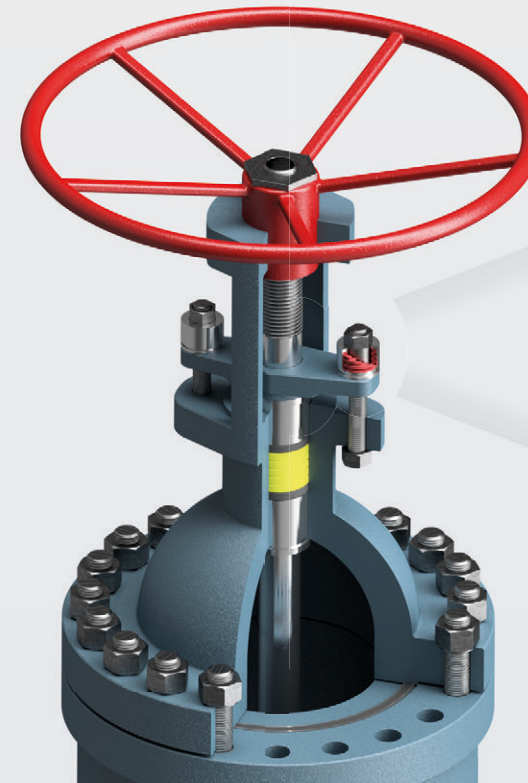
Sealing of heat exchangers, steam vessels, air coolers and standard flanges in high duty applications is critical.  
METAX technology is the key for long time safe operation.



Upgrade existing equipment

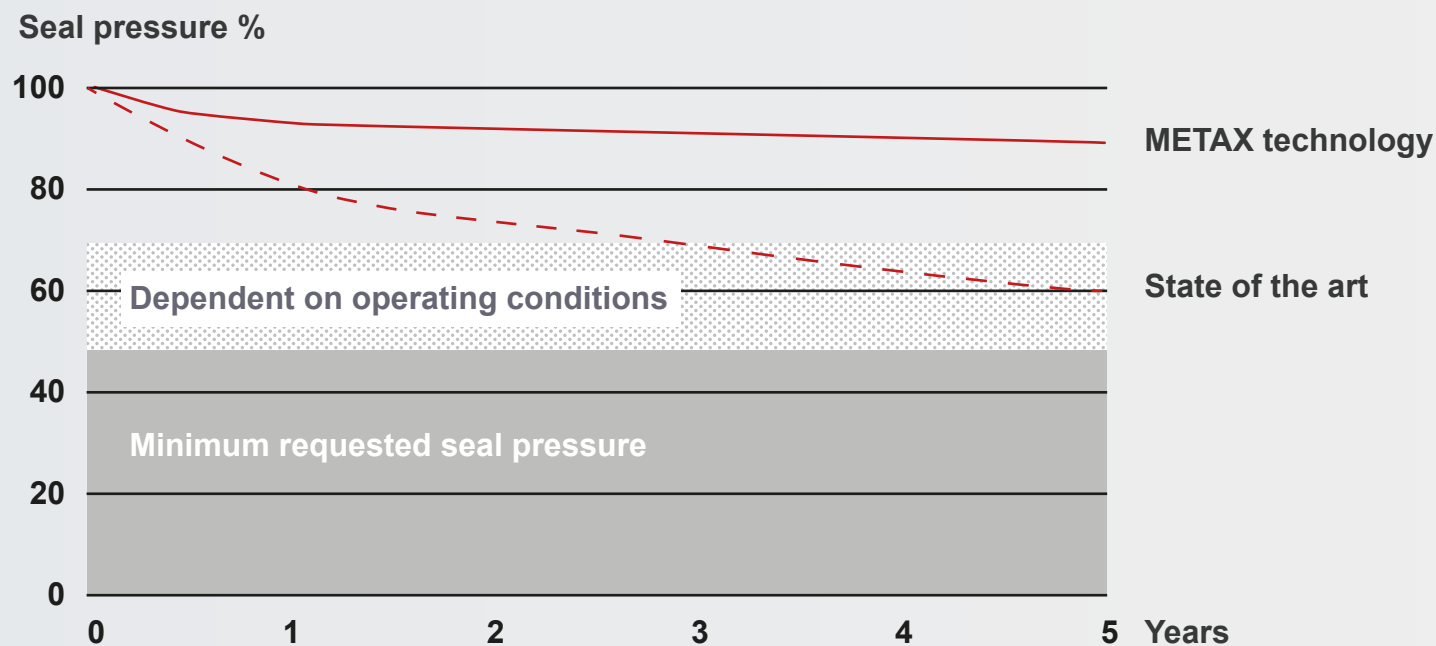
# Valve Shaft Sealing Systems

Nuts with integrated springs apply a continuous load on the shaft seal.  
Typically, existing bolts can remain at the valve. Combined with METAX shaft packings the upgrade of the valve will lead to extended safe operation.



Avoid critical operating periods

## Reduced Loss of Pre-stress



Users perspective

## Your Benefit

- ✓ High operating safety
- ✓ High availability of the plant by minimizing the downtime
- ✓ Simple upgrade, no change of existing equipment
- ✓ Fulfilling of environmental requirements
- ✓ High protection level for working people in the plant

State of the art technology

## Existing Problems

- ✓ Starting process: Heating from inside to outside
- ✓ Shut-down-process: Undefined status of the expansion of vessels, heat exchangers or valve housings

» Many high duty systems fail after some time with a high risk of fire or accident «





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