



Refinery and Petrochemical Industry

High quality sealing systems for pumps, compressors and agitators
Innovative and customized technology for challenging applications



DIE DICHTUNG.

More than just a machine element

Mechanical Seals

In comparison to other dynamic seals mechanical seals provide the least leakage at a maximum service life. A self-adjusting hydrodynamic lubricating film in the sealing gap creates the prerequisite for this. The construction with balanced force ratio creates a unit which adapts itself autonomously to the conditions.



Matched components become systems

Supply Systems

A safe operation of mechanical seals over a long period will be achieved only when the operation conditions are optimized by supplementary measures. METAX configures necessary additional components and systems for each task and according to the specific customer requirements.



Consulting

Norms specify standards and simplify the communication. However, our consulting is based on decade-long experience with the realization of specific customer requirements into individual sealing solutions including necessary barrier fluid systems.



Construction

The overall design is set by the selection of the material, determination of the conceptual design and the selection of specified design attributes and it is verified by extensive calculations in the construction phase.



Manufacturing

The mechanical processing of stainless steels and high-nickel alloys is demanding for our processing machines and our skilled personnel. Corresponding diligence in the control supported by modern measuring technology ensures our quality.



Service

Our repair service provides professional repair in house or on-site. Rapid implementation is guaranteed by providing necessary spare parts. Additional support for our customers is offered by our consulting and training opportunities.



Users perspective Your Benefit

- ✓ High operating safety
- ✓ High availability of the plant by minimizing the downtime
- ✓ Simple and cost-efficient maintenance
- ✓ Fulfilling of environmental requirements
- ✓ Sustainable usability of the machines by conversion to improved equipment

» Solutions are developed by dialogue – the METAX team stands up for that «

User benefits through technology METAX – Seals

- ✓ Timely recognition of wear through innovative monitoring technology
- ✓ Assurance of favorable operation conditions
- ✓ Redundant systems
- ✓ Pre-assembled units
- ✓ Premature detection of changing operation parameters
- ✓ Conversion of pumps to changed operation conditions
- ✓ Conversion of mechanical seals for the reduction of emission levels



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