



# Supply Systems

Application-specific systems for provisioning and cooling of buffer/barrier fluid for high-quality double mechanical seals to assure a long-term and trouble-free operation

Optimized operation

# Barrier - Cooling - Lubrication

The operation of double mechanical seals requires an adapted supply system that performs the following important tasks:

- Generating the barrier pressure and the circulation of the barrier fluid
- Storage and cleaning of the barrier fluid
- Cooling of the barrier fluid

METAX provides complete systems designed according to API 682 as well as according to customers specifications meeting all common standards.



Design API plan 54

## Barrier Fluid System

- Tank with frame
- Water cooler
- Bladder accumulator
- Electric gear pump
- Instrumentation
- Valve and tubing
- Spare filter for changeover during operation



Design API plan 53

## Complete Systems

- Water cooler
- Bladder accumulator
- Instrumentation
- Valve and tubing
- Stand



Design according to API plan 52/53A

## Thermosiphon Vessel

- Vessel with/without cooling coil
- Instrumentation
- Valves and tubing
- Stand



Design according to API plan 23

## Water Cooler

- Water cooler
- Instrumentation
- Valves and tubing
- Stand



Additional equipment

## Automatic Refill System

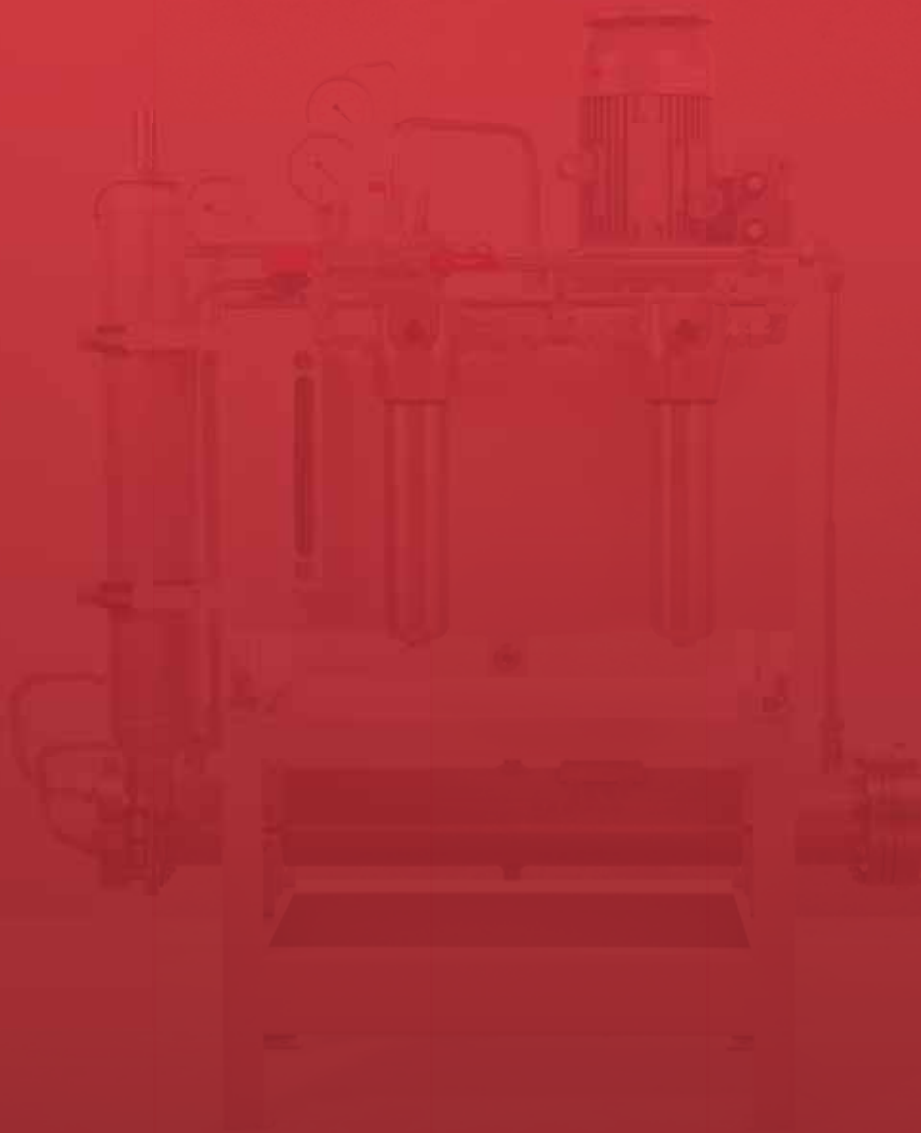
- Automatic refill for two systems according to API plan 53B
- Tank with frame
- Compressed air driven pump
- Bladder accumulator
- Instrumentation
- Valve and tubing
- Filter



METAX designs

## Your Advantages

- ✓ Fulfillment of factory standards and customer specifications in design and selection of measurement and monitoring technology
- ✓ Individual design adapted to the operating conditions of the mechanical seal
- ✓ Independent additional systems for function monitoring with the option of connecting to higher-level systems



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