Mechanical seal ESD34N
for low pressure range

**Function**
- Double-acting liquid lubricated mechanical seal for low pressure applications up to 7 bar (abs.)
- Two identical pairs of seal rings in a back-to-back arrangement
- Suitable for high radial deflection of the shaft

**Advantages**
- Wear parts standardized by modular design
- Double acting, even in low pressure range
- Compact dimensions, suitable for small installation spaces
- Ideal replacement for stuffing boxes
- Design for cost saving

**Working limits**
- Operating pressure: vacuum ... 7 bar (abs.)
- Vessel temperature: -50...+400°C
- Shaft size: 40...220 mm
- Sliding speed: 0...5 m/s
- Certification: acc. to ATEX 2014/34/EU

**Materials**
- Housing: Stainless steel
- Product-wetted parts: Stainless steel, Hastelloy, Titanium, other special materials
- Seal rings: Carbon, Silicon Carbide, Tungsten Carbide, etc.
- O-rings: FKM (Viton), EPDM, FFKM (Kalrez, Chemraz etc.), special materials
- FDA approval: Possible for all product-wetted parts

**Applications**
- Bulk chemicals
- Polymers
- Specialty chemicals
- Formulated consumer products
- Pharmaceutical products and cosmetics
- Biofuels and bio refineries
- Storage tanks

**Accessories**
- Short heat trap for cooling
- Collector tray
- Flushing attachment
High axial and radial tolerance
Double-acting
even in the low pressure range
Perfectly tight
even under roughest conditions.
Special spring designs ensure uniform
pretensioned conditions, also in cases
of shaft deflection.

ESD34NJ

ESD34NZ

All dimensions in mm. Other sizes available on request. Technical data are subject to changes.