

EDUR-Pumps – versatile usage in the cleaning technology

SERIES NUB

Properties: compact single-stage pump unit
Application: hydrocarbons and aqueous detergents

Technical data	
Flow rate	up to 600 m ³ /h 2642 US gpm
Temperature range	-40 up to +140 °C -40 up to +284 °F
Working pressure	up to 16 bar 232 psi
Shaft sealing	single mechanical seal, double-acting mechanical seal
Impeller design	open, closed, semi-open (vortex)



SERIES CB

Properties: compact single-stage pump unit
Application: aqueous detergents

Technical data	
Flow rate	up to 240 m ³ /h 1057 US gpm
Temperature range	-25 up to +110 °C -13 up to +230 °F
Working pressure	up to 10 bar 145 psi
Shaft sealing	single mechanical seal, double-acting mechanical seal
Impeller design	closed, semi-open (vortex)



SERIES CV

Properties: compact multi-stage vertical pump unit
Application: aqueous detergents

Technical data	
Flow rate	up to 84 m ³ /h 370 US gpm
Temperature range	-30 up to +140 °C -22 up to +284 °F
Working pressure	up to 30 bar 435 psi
Shaft sealing	single mechanical seal, double-acting me- chanical seal
Impeller design	closed



Centrifugal Pumps
for industrial cleaning
processes

Cleaning at highest level: Increasing your cleaning process efficiency with EDUR-Pumps

EXPERIENCE AND QUALITY – A PERFECT MIX!

In the cleaning industry EDUR-centrifugal pumps are crucial system components. Complex tasks in the cleaning process and versatile requirements for pump systems made EDUR become a valued partner in the industry over the past decades. Cleaning system OEM and design engineers are in the best of hands with EDUR. All our activities are focused on a maximum process reliability when handling liquids. Detergents, gases and particular matters make special demands on the design of the shaft sealing and pump hydraulics.

Surpassing lifetimes are being obtained by selection of special sealing systems and modified impellers with low NPSH-values, even in case of difficult conditions. Our special pumps do meet typical operating conditions in the cleaning process like dry-running, vacuum conditions, gap-passing particles or slurp operation.

EDUR multiphase pumps are available for downstream recovery of recyclable materials and water treatment. Please contact us!

IT IS ALL ABOUT CLEANING WITH STRATEGY!

The design of all pump components is determined by the respective cleaning procedures and detergents.

Special attention is always given to the compatibility of the pump materials with the media and the realization of fluidic requirements. The particular requirements in wet chemical cleaning systems with high throughput of components resp. cleaning with solvents containing hydrocarbons or chlorinated hydrocarbons in the batch or component cleaning always are at the focus of our pump selection.

Block, inline or torque flow pumps – from a wide range of types and sizes we are individually building the suitable pump unit – optimally adapted to the application.

EDUR pump specialists shall be pleased to advise you already during the planning phase and commissioning on-site. Potential improvements also will be possible by retrofitting of existing systems.

We are looking forward to receiving your call or e-mail.

Highest reliability with the right seal system

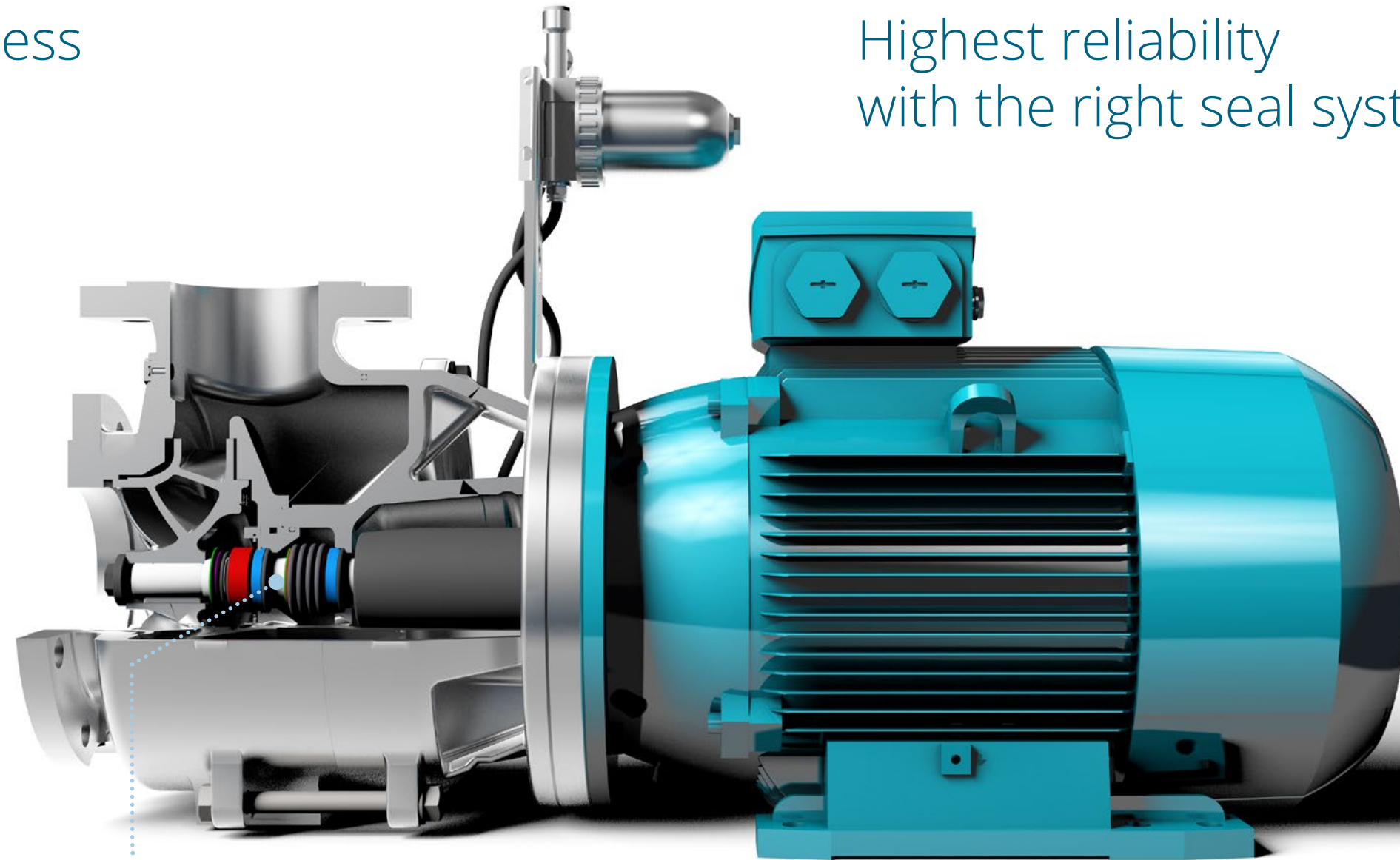
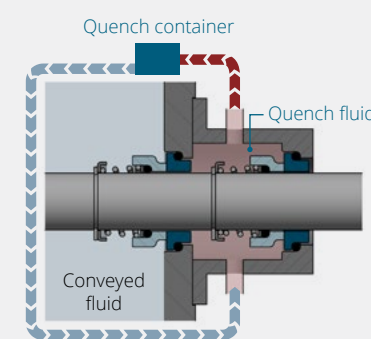


Illustration: Compact pump unit with double-acting mechanical seal (tandem) and quench.

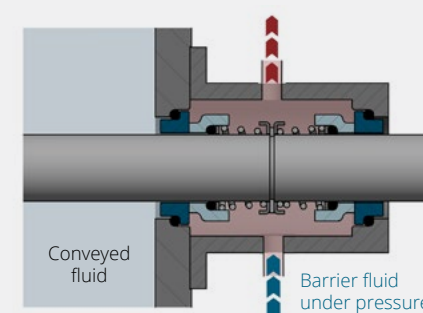
► Ideal in case of dry-running:

DOUBLE-ACTING MECHANICAL SEALS (TANDEM)



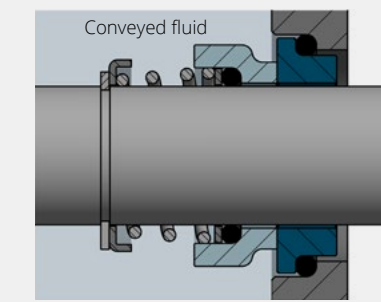
► For gap-passing media and dry-running:

DOUBLE-ACTING MECHANICAL SEALS (BACK TO BACK)



► Cost-saving alternative for standard applications:

SINGLE-ACTING MECHANICAL SEAL



Elastomers used for mechanical seals: Viton® (FKM)/ Therban® (HNBR) / Teflon® (PTFE) / Kalrez® (FFKM)

Advantages at a glance

PROCESS RELIABILITY

- Gas handling capabilities
- Solids entraining capabilities
- Customized hydraulics, matching the cleaning process
- Protection against dry-running
- Vacuum operation conditions
- Low pulsation pumping
- Additional safety by using monitoring devices
- Low noise emissions
- Long service life

TECHNICAL SUPERIORITY

- Variety of seal systems
- Low NPSH (Net Positive Suction Head)
- Adjusted impellers for different free passages
- Wide range of materials
- Energy efficient motors

DESIGN

- Optimal pump selection by our specialized engineers
- Special consulting for media like e.g. hydrocarbons, solvents and aqueous detergents

EASY INSTALLATION

- Modular design for customized solutions
- Compact close-coupled
- Minimal space requirements

APPLICATION AREAS AND TARGET GROUPS:

- Component cleaning
- Metal cleaning
- Box cleaning
- Bottle cleaning
- Medical technology
- Wafer and microelectronic cleaning
- Aerospace

Your application is not listed? Please contact us!