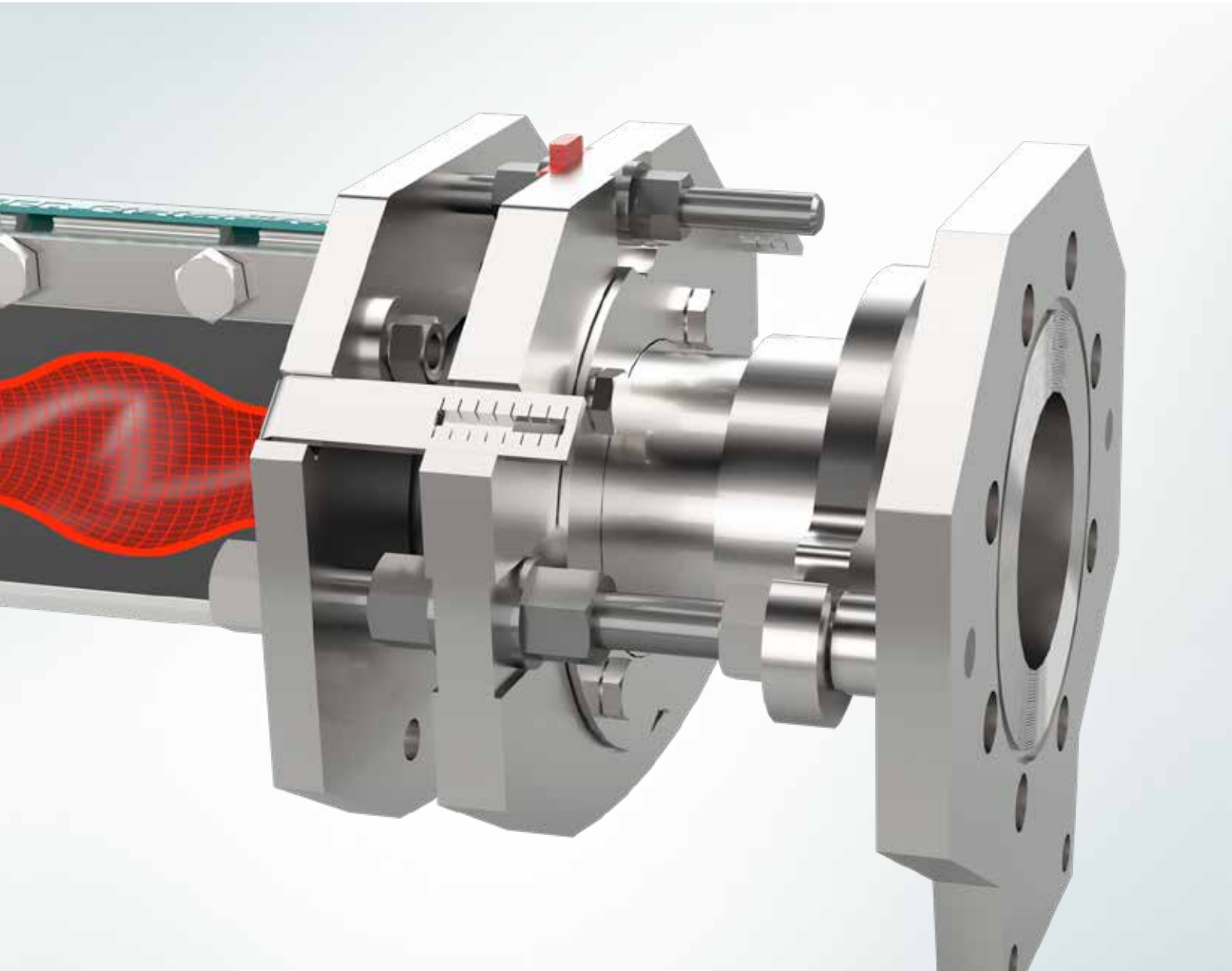


NETZSCH

Proven Excellence.



The xLC[®] Stator Adjustment System

More than Triples the Service Life of the NEMO[®] Progressing Cavity Pump

Pumps & Systems

xLC[®] Stator Adjustment System

for optimal performance of your pump with a significantly longer service life

How does it work?

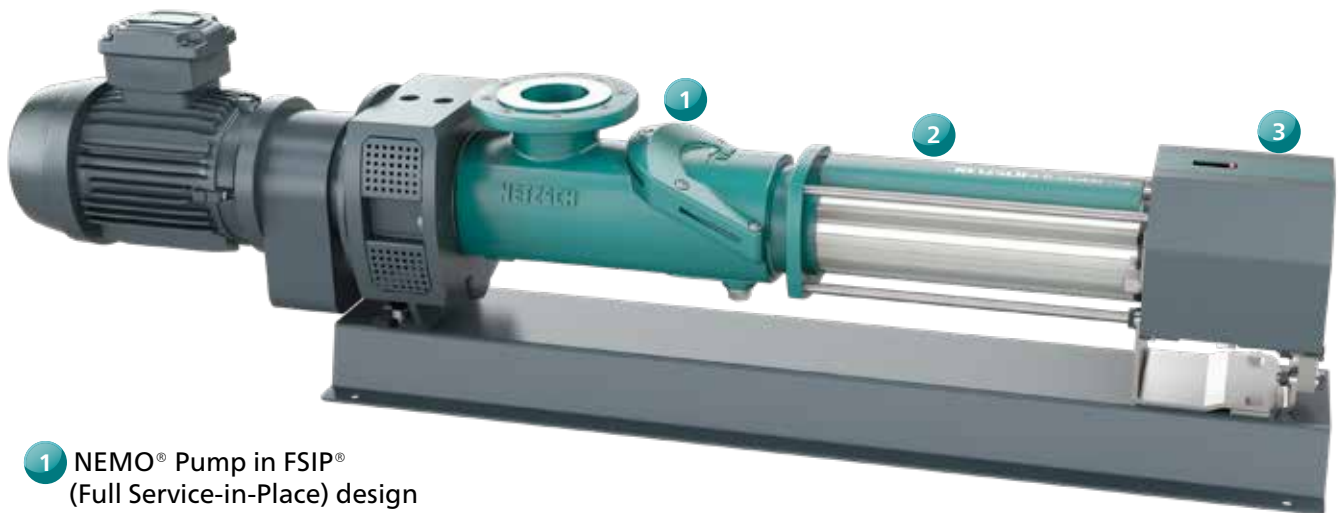
The iFD-Stator[®] can be adjusted gradually and in a short amount of time. By axially compressing the elastomer, the pre-tension is increased which re-adjusts the sealing line between stator and rotor. Pump performance is restored. This reduces the need for spare parts and maintenance resulting in cost savings!

What are the advantages?

- More than triple the service life, depending on the application
- Upgrade of the pump without additional space required
- No adjustment of piping and pump base plate required for retrofitting
- Controlled, defined adjustment of the xLC[®] adjustment system
- High reliability due to robust construction and simple operation
- Constant high efficiency of the NEMO[®] pump maintained by adjusting the stator
- Better maintenance scheduling through the display of remaining capacity
- Rapid amortization of the purchase due to fewer spare parts required and extended MTBF



Watch how the
xLC[®] Stator adjustment
system works



1 NEMO[®] Pump in FSIP[®]
(Full Service-in-Place) design

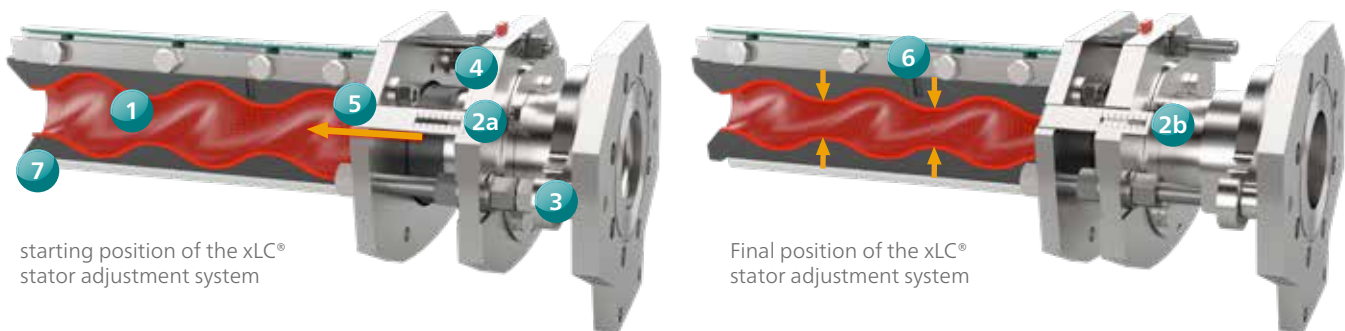
2 iFD-Stator[®] 2.0

3 xLC[®] Stator Adjustment System

For all high-wear applications, we recommend the use of the xLC[®] unit, as the purchase is quickly amortized and the significantly longer maintenance intervals are a great relief for the operator. Since the xLC[®] unit does not change the pump dimensions, pumps that have already been installed can easily be retrofitted.

What steps are necessary?

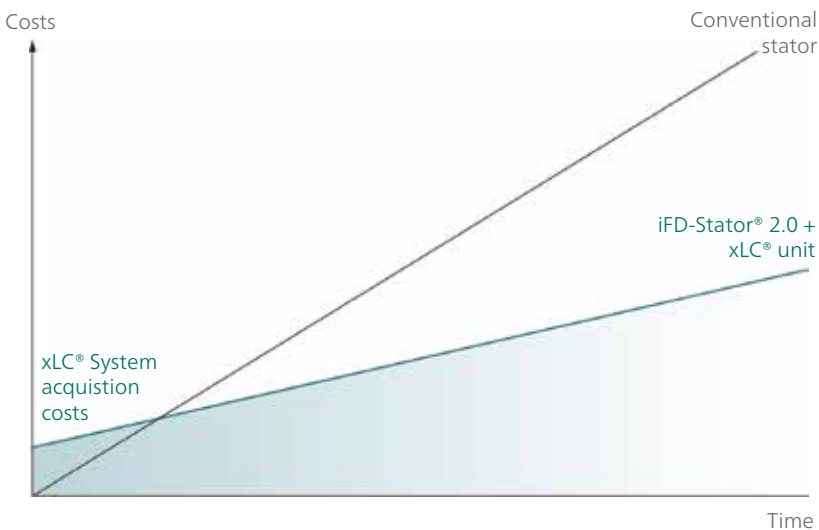
If a decline in pump performance is detected, the system can be adjusted using **3** adjustment nuts. The adjustment will result in the elastomeric part of the stator being drawn in toward the rotor. A scale with seven increments (from 0 to max) facilitates step-by-step adjustment and visually indicates remaining adjustments available before a replacement stator is required. When time for replacement, ONLY the stator insert (elastomeric part) will be changed – a very economic and environment-friendly design.



- 1** iFD-Stator® 2.0
- 2a** Adjustment scale in start position
- 2b** Adjustment scale in end positions
- 3** Adjustment nuts
- 4** Adjustment flange
- 5** Adjustment direction
- 6** Wear compensation
- 7** iFD-Stator® 2.0 Insert

What goes on inside?

The adjustment flange movement (triggered by the adjustment nuts) compresses the elastomeric part inside the iFD-Stator® housing. Since it can only give way inwards, wear is compensated. The separation of the stator insert and the casing ensures that this compensation is evenly distributed over the entire length of the stator. This adjustment creates a new, even sealing line ensuring optimal pump performance.



Reducing service costs (spare part and labor costs): A comparison of a NEMO® pump with conventional stator and a NEMO® pump with iFD-Stator® 2.0 + xLC® System clearly shows the enormous savings and rapid amortization of the xLC® System's acquisition costs.


Application Examples



Waste water treatment plant
Dingolfing, Germany
Sludge with up to 10% DS



Waste water treatment plant
Bamberg, Germany
Sludge with up to 4% DS



The NETZSCH Group is an owner-managed, international technology company with headquarters in Germany. The Business Units Analyzing & Testing, Grinding & Dispersing and Pumps & Systems represent customized solutions at the highest level. More than 4,000 employees in 36 countries and a worldwide sales and service network ensure customer proximity and competent service.

Our performance standards are high. We promise our customers Proven Excellence – exceptional performance in everything we do, proven time and again since 1873.

The NETZSCH Business Unit Pumps & Systems offers NEMO® progressing cavity pumps, TORNADO® rotary lobe pumps, NOTOS® screw pumps, PERIPRO™ peristaltic pumps, macerators/grinders, metering technology and equipment custom built for challenging solutions for different applications globally.

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