

xLC[®] stator adjustment unit

To restore tension and pump performance

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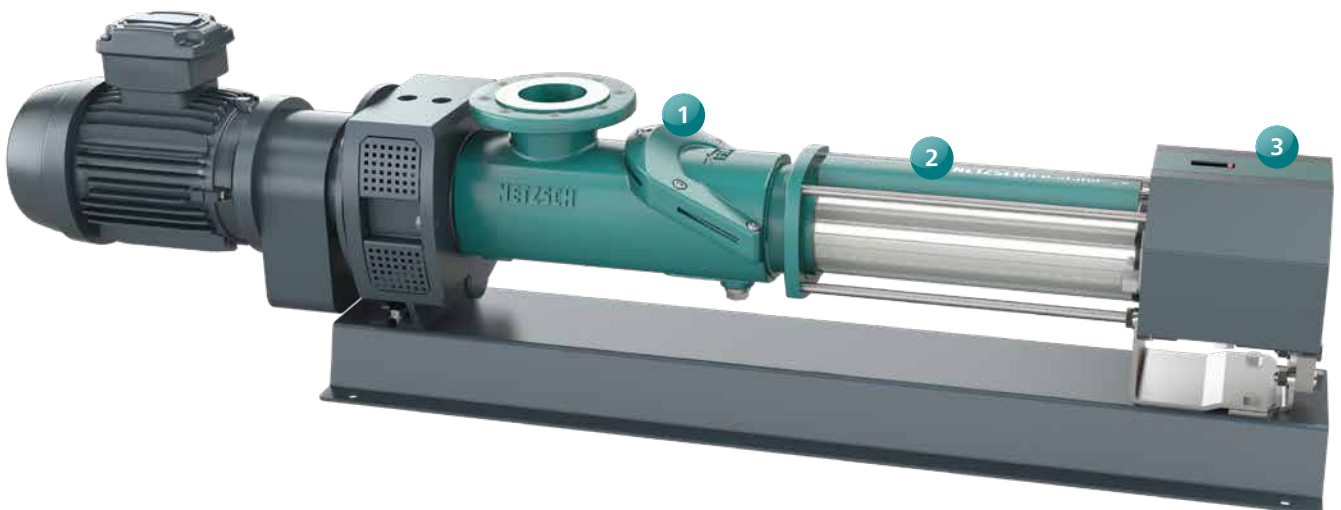
Restores tension and pump performance

What is the xLC[®] stator adjustment unit?

The xLC[®] stator adjustment unit allows to re-adjust the iFD Stator[®] 2.0 several times to prolong the operating life of both rotor and stator significantly, before a change – caused by wear – is needed. The functioning of the xLC[®] system is based on the iFD Stator[®] 2.0. It grips the flange of the elastomer part to pull or push it inside the housing. In case of wear axial pressure on the elastomer part leads to increased tension and restores the sealing line.

Advantages:

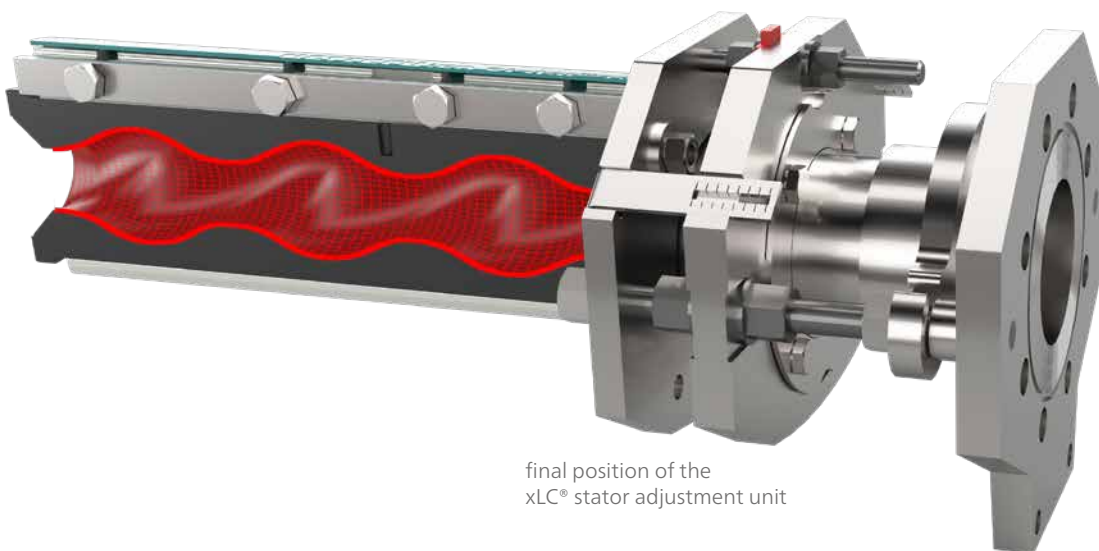
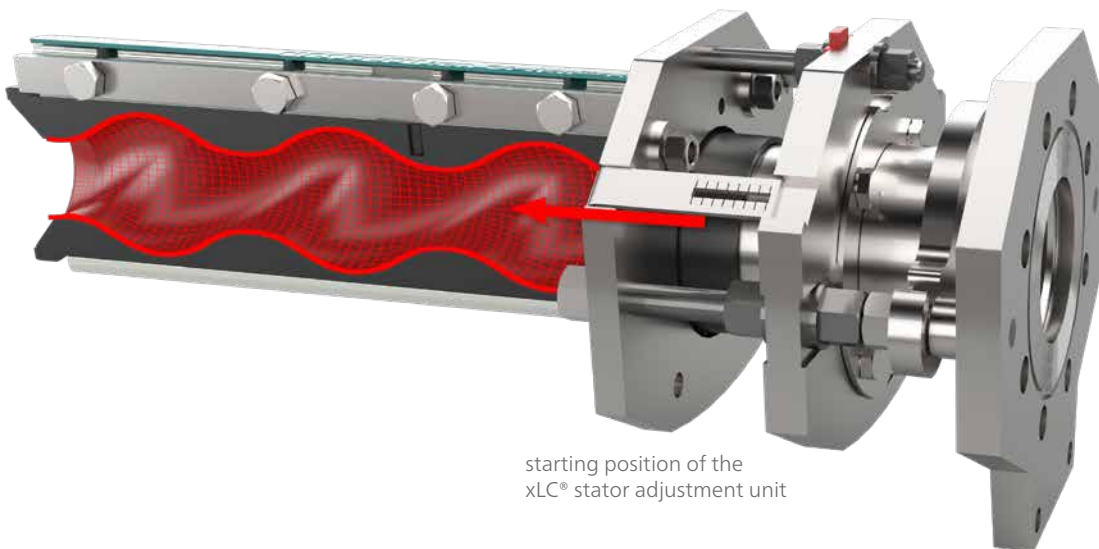
Depending on the application the life time of the rotor-stator-system may be tripled.




- 1 NEMO[®] pump
- 2 iFD-stator[®] 2.0
- 3 xLC[®] stator adjustment unit

How does the xLC® stator adjustment unit work?

If, in case of a loss of performance of the pump, a re-adjustment of the stator is needed, the flange can be tightened with only two setting screws to compress the elastomer inside its metal housing again. A scale with 7 segments from 0 to max makes a step-by-step adjustment of the stator easy and simultaneously shows the remaining life left in the stator until it has to be changed.



With an adjustment length of 3 cm, the xLC® unit compensates wear of the rotor-stator unit by 3 mm by evenly compressing the elastomer over its entire length.



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